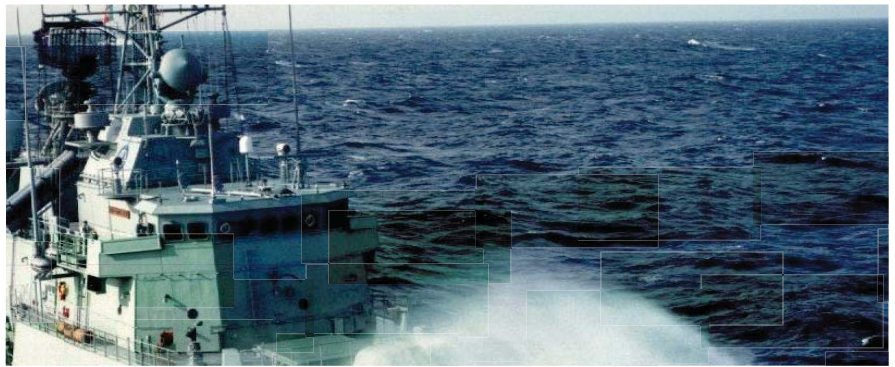




GOVERNO DE
PORTUGAL

MINISTRY FOR NATIONAL DEFENCE



PORTUGAL
**INDUSTRIES AND LOGISTICS
FOR THE DEFENCE**

DGAIED
ARMAMENTO E INFRA-ESTRUTURAS DE DEFESA

2013

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All the data provided, collected in 2011, is the responsibility of institutions contained therein.

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DTIB Strategy

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FOREWORD

The General Armaments and Defence Infrastructures Directorate has been publishing since 2004 the magazine “Portugal - Industries and Logistics for the Defence” as a contribution for the promotion of the Portuguese Industrial and Technological Base in defence and security markets.

The present edition “Portugal - Industries and Logistics for the Defence 2011-2013” is aligned with the national Defence Technological and Industrial Base Strategy (DTIB) defined by the Portuguese Government and developed in line with the European Defence Technological and Industrial Base Strategy.

The increasing number of companies requested to provide support to UN, NATO and EU operations led to the decision of including a chapter dedicated to logistics.

Given the relevance of the national industrial strategy, its inclusion in the present edition of the magazine was also considered of great opportunity.

Taking into account that a collective effort is absolutely essential to strengthen the development of a competitive and competent European Defence Equipment Market, we are convinced this Catalogue will facilitate contacts between partners on technological and business opportunities.

Contributing to this effort, Portugal has been reinforcing its R&D investment in the last years, allowing a steady growth of defence technological and industrial base field-proven products, systems and applications capable to compete in the national and global defence and security markets.

Finally we would like to emphasize our expectations that this magazine will contribute to the promotion of the Portuguese economy beyond its borders.

Portugal's Defence Technological and Industrial Base Strategy

1. Introduction

- 1.1. Security and Defence issues being of growing concern to governments, have resulted in public policies which have registering a remarkable growth and evolution.
- 1.2. It is essential for Portugal to develop a national technological and industrial base (DTIB) capable to supply the defence sector. This DTIB should satisfy domestic logistic requirements for goods, technologies and services throughout the various stages of the life cycle of weapon systems, subsystems and its components, either for re-equipment or for use by the Portuguese Armed Forces. The national DTIB should focus in the following areas: (1) research and development, (2) production, (3) modernization, (4) maintenance, repair and modification, demilitarization and disposal.
- 1.3. This national technological and industrial base should be focused on and ready to compete in the international market, in which lies the framework for business opportunities, both within the European Defense Market as well as in the broader platform of global competition.
- 1.4. In order to strengthen its capabilities and increase its opportunities in a competent and competitive way, the national DTIB should be based on national industrial and technological suppliers with suitable expertise for the defence.
- 1.5. In this context, it is essential to encourage their participation (national industrial and technologic suppliers) in the different stages of the life cycle of the armed forces' systems and equipments, boosting its involvement in international defence markets. The "Defence Technological and Industrial Base" is therefore the set of national scientific and technologic companies and entities, public and private, ready to intervene in one or more stages of the logistic life cycle of those assets.
- 1.6. The building and development of a competitive and competent DTIB requires the definition and implementation of a strategy that aligns the rationalization and efficiency efforts at national level with the principles and goals of the European Defence Technological and Industrial Base Strategy (EDTIB) signed in May 2007 by the Member States (MS) of the European Defense Agency (EDA). That rationalization must prevent the existence of non-competitive industrial capabilities' duplications, especially those associated with operational availability of military resources and guide R&D policies towards the development of technologies that meet medium and long term operational requirements.
- 1.7. This current strategy constitutes a planning and decision making tool bringing together the joint effort and commitment of national DTIB stakeholders, institutional bodies, scientific, technological and business entities, ready to receive updates and improvements due to natural evolution of the circumstances.
- 1.8. The technologies to improve (in accordance to Defence R&D strategy) as well as the reinforcement of the industrial capabilities to be preserved or developed at the national level have to take into account the broader universe of Defence-Security mainly in areas of dual use - military and civilian.
- 1.9. The nature and affinity of the two universes - Defence and Security explains the identification and overlap of technologies that support them, justifying an open and integrated perspective that can take advantage of the synergies and complementarities between both sectors and other civilian areas, such as the Aeronautics, Space and Sea,.
- 1.10. The preferential use of dual-use technologies is also an imperative that derives from the fact that the missions/operations of the European Union (EU) take on an increasingly civil-military nature. This trend is already visible within the European Commission (EC) and the EDA, namely regarding research and technology under the Framework Program nr.7 (FP7). The development of SDR-communication and Space critical technologies through the task-group by the EC-ESA-EDA JTF are very good examples. This reality must be reflected when implementing the Strategy, avoiding firm boundaries between military and civilian areas also at the institutional level.
- 1.11. The aim of this document is to formulate a strategy for the development of a national DTIB intended to be competent and

competitive exploring key industrial capabilities and technologies on a national scale regarding the reinforcement of its participation in giving answer to Defence and Security operational requirements, internally and externally, in the European context and in the larger scope of global competition, promoting the export of goods and high-tech services.

...BTID

all companies and entities within the national scientific and technological system, public or private, capable to intervene in logistics life cycle of Defense systems and equipment and in other civilian areas as Security, Aeronautics, Space and Sea ...

2. Defence Technological and Industrial sector: Characterization

- 2.1 The national DTIB has a small dimension and is spread in a number of entities, essentially Small and Medium Enterprises (SMEs) as well as scientific and technological actors working apart in the defence market in segments related to the production of components, subsystems and logistics maintenance associated with the life cycle of military systems and equipment.
- 2.2 In general, those entities are services and process experts' suppliers with a reduced ability for systems or products integration. Moreover, in terms of R&D both companies and entities of the scientific and technologic system, have invested in various areas of knowledge and brought valuable contributions to the creation of dual use technologies.
- 2.3 The relationship between the DTIB actors, particularly among the industrial, academic system and entities with R&D capacity, is of low expression yet. This reality leads to different kind of duplications, dispersion of efforts and less efficiency and effectiveness of results, on skills and competitiveness matters, particularly related to export and external affirmation.
- 2.4 There is however a purpose, particularly visible in recent years, to consolidate and strengthen the capacities of national DTIB. This is evident through the emergence of new players, particularly in the area of technology and information systems, communications and electronics, thus creating the basis of what could be a solid and well focused national presence in the global defence market. These entities have been revealing in several cases, the best strategies and capabilities to invest in dual-use technologies picking up public funds from national and external sources.
- 2.5 In this regard, it is essential that state-owned companies have their strategies centered on competitiveness objectives and competitive dynamics in view of its contribution to the development of a national DTIB able to assert and compete, based on dual-use technologies and products, both domestically and externally with particular emphasis on the European market, in the defence and other related fields.

...to strengthen national DTIB's capabilities and competences favoring technological priority areas focusing on dual-use...

3. Framework

- 3.1 Europe, took on, in accordance with the objectives of the Common European Security and Defence Policy (CSDP), the task to restructure and consolidate supply and demand of the European Defence Market, in order to strengthen its autonomy and role in the international market in matters pertaining with the fulfillment of military requirements and capabilities. This objective was put into practice in 2004, with the creation of the European Defence Agency (EDA), a cooperative platform aimed to enhance and strengthen at European level the necessary coordination and commitment, between the participants Member States(pMS), in the development of military capabilities, research and technological cooperation, contributing to the affirmation and consolidation of a technological and industrial base to support the European Defence Market.
- 3.2 The creation and consolidation of a European Defence Technological and Industrial Base (EDTIB) takes particular relevance for the development and framework of this document. This EDTIB presents an opportunity to simultaneously develop and enhance the European industry, enabling to overcome the current fragmentation and dispersion of efforts, which represent an obstacle to the creation of a strong European Defence Equipment Market and an effective framework of cooperation.
- 3.3 As a key leverage tool for the establishment and implementation of the European Defence Technological and Industrial Base (EDTIB), it is particularly relevant the Strategy approved by participants Member States in May 2007. The document

establishes the need to carry out, within Europe, the rationalization, specialization and consolidation of industrial capacities and technologies, to build up military capabilities in logic of openness, complementarity, interdependence, competitiveness and cooperation, based on reciprocity and mutual benefits, which translate into achieving, at lower costs, better production of goods, services and technologies for the Defence.

- 3.4 As a subsidiary contribution to the Strategy, rules were established for the European Defence Equipment Market - EDEM, which is intended to become progressively stronger, open and competitive, seeking greater autonomy at an European level as well as globally. EDEM's and EDTIB's rationalization requires the safeguarding of "Security of Supply" and "Security of Information" and introduces concepts such as expertise, pooling and sharing and interoperability.
- 3.5 To ensure the dynamism and openness of the European Defense Market, Member States subscribed a voluntary Code of Conduct for Defense Procurement, supported by an electronic portal - Electronic Bulletin Board (EBB). In its "government-to-industry" side (EBB1), the portal publishes defence business opportunities, open to competition and increasing transparency, defence contracts under art. 346 of TEFL.
- 3.6 In order to encourage the active participation of the entire supply chain in the acquisition process initiated by the governments of Member States, a "industry-to -industry" (EBB2) side was subsequently implemented, promoting the same principles of openness and competition down the supply chain: publishing business opportunities between prime contractors and other industries, namely SMEs. In fact, the usual client of SMEs is mainly the prime contractors and their direct suppliers, which subcontract them in medium and large Defence's Projects.
- 3.7 Enhancing the implementation of the Strategy and strengthening the EDTIB, the following EDA subsidiary instruments should be noted: 1) European Defence Research and Technology Strategy, that establishes technological priority areas for the development of technologies oriented towards medium and long term capabilities, and 2) the Armaments Cooperation Strategy which seeks to convert shared military capabilities and requirements, agreed and harmonized between Member States, into technological solutions developed as cooperative weapons programs.
- 3.8 The Capability Development Plan, as the main instrument for the definition of military capabilities that must be enhanced at an European level, elaborated by the EDA in close coordination with the military structures of the European Union has particular relevance. This document reflects a long term vision, showing the path and priorities, medium to long term, for building shared military capabilities by Member States and by the technological and industrial sector.
- 3.9 The creation, consolidation and reinforcement of a national DTIB, able to assume partnerships and compete in national and international defense markets, namely the European, should favor the formation of clusters and networks of technological competences in preferential strategic areas, with potential for technological integration, development and innovation, translated into production and maintenance of systems and defense equipment capabilities. To meet this end, the national DTIB shall, in line with the rationalization and operational efficiencies, focus on specialization and complementarity with national and foreign partners, seeking and promoting aggregation with conventional prime contractors and the integration with research and development networks and industrial production.
- 3.10 In this consolidation process, it is desirable to move towards minimizing duplications and redundancies of the European DTIB.
- 3.11 The Portuguese DTIB target markets are, in the fields of competition and cooperation, the wider universe of dual-use applications (defense, security and other civilian areas), in particular, the fulfillment of military capabilities and requirements pertaining to:
 - 1) National Defence, materialized in acquisition projects (equipment, research and development), included in the Armaments Plan and detailed in the Military Procurement Law (LPM), as well as, throughout its life cycle, in upgrade, maintenance and demilitarization of systems and equipment;
 - 2) The wider universe (more attractive because of its size) of the opportunities offered by external defense contracts, mainly at a European level (acquisition of goods and services), namely in the context of EDA, but also on a more global, bilateral or multilateral plane, where R&D and procurement within NATO (North Atlantic Treaty Organization) are included.

- 3.12 Domestically, the DTIB Strategy should be articulated, with conceptual documents that pertain to strategic planning, namely the National Defense Strategic Concept, the Military Strategic Concept and Missions of the Armed Forces and, finally, the System of National Forces. For edification of the latter, the DTIB strategy uses subsidiary instruments, as the Armaments Plan and the R&D Defence Plan, both reflected in LPM projects, whose implementation requires promoting the involvement of industry and the scientific and technological system enhancing projects of partnership and cooperation.
- 3.13 Defence R&D investment's effort, should ensure proper alignment with the wide field of Security and dual use technologies, not only in an external environment, within the EDA and NATO, but, particularly with current public policy instruments, as the Eureka Initiative (Pan-European Network for Market-oriented, Industrial R&D), the European Community Research Framework Programs and the Lisbon Strategy and its subsidiary programs to support SMEs, including the Technological Plan.
- 3.14 In this context, this Strategy is an instrument that will benefit, besides Defense and Security, the field of aeronautics, space and sea, and also others contiguous areas, in spillover logic. These benefits are direct results of the creation, within the Strategy, of a more favorable environment for the development of competitiveness of a number of key industrial players and the national scientific and technological system that have, or may have, a dominant performance in those areas.

... The creation, consolidation and reinforcement of a national DTIB, able to assume partnerships and compete in national and international defense markets, should favor the formation of clusters and networks of technological competences in preferential strategic areas....

4 Vision and Strategic Goals

4.1 Vision

- 4.1.1 The National DTIB Strategy is underpinned by a vision translated into “development, consolidation and reinforcement of a Defense Industrial and Technological Base (DTIB), able to, in conjunction with the EDTIB (EDA), fulfill the Defence requirements and capabilities and of other areas such as security, aeronautics, space and sea”, and supported by strategic objectives that become an instrument of development.
- 4.1.2 This vision must contribute to increase the capability of the national DTIB to participate, in a competitive way, in national and international projects and contracts, which, on a selective basis, will constitute a technological asset enhancing integration into specialized supply chains.
- 4.1.3 As a key-idea that involves the Strategy, emerges the political goal to achieve, wherever and whenever possible, national participation in armaments programs and projects of international cooperation, as a platform that mobilizes DTIB in terms of skills and competitiveness. Thus, the use of off-the-shelf acquisitions should mainly cover immediate or short-term needs or those that cannot be met using cooperative projects. In this sense, industrial and technological offsets associated with such procurements, if any, should primarily be directed to identified areas in the R&D Defence Strategy (Annex B) as well as other industrial and technological sectors relevant to the development of the DTIB, thereby enhancing their competitiveness and participation in international cooperative projects in fields of defence, security, aeronautics, space and sea.
- 4.1.4 In this process, it is necessary to intervene in three fronts:
 - a) Identify and explore opportunities for national DTIB, aimed at fulfill defined requirements for systems, equipment and services for the production and maintenance of desired military capabilities at a National, European and NATO degree, or others of broader scope, through a competent and competitive technological response;
 - b) Development of national technological and industrial capabilities, to which will be essential to reinforce public and private investment in research, development and innovation activities;
 - c) Define/identify instruments, belonging to the Ministry of National Defence (MOD), that need to be refined to enhance the capabilities of national DTIB, as well as already existing mechanisms, managed by other governmental departments, to better explore opportunities for accessing the Defence market.
- 4.1.5 Thus, for the development of a national DTIB, strategic objectives are defined and focused on five priorities, as follows: to achieve the foreseen vision, the following :

- a) Improve the identification and exploration of opportunities for the national DTIB;
- b) Coordinate public interventions in support of the development of the national DTIB, aiming to optimize the potential that derives, in terms of industrial cooperation, of defence related acquisitions;
- c) Promote the defence sector with special focus to dual use (military-civilian) areas and technologies, namely in the field of security, aeronautics, space and sea, as a launch platform for economic development, particularly for SMEs;
- d) Promote greater involvement of national DTIB during lifecycle of national defence equipment and systems; and
- e) Involve the DTIB in international defence initiatives, facilitating their access into other civilian sectors.

4.2 Strategic Objectives

The following five strategic objectives will contribute to frame the DTIB Development Strategy:

4.2.1 To define main priorities in armaments and military re-equipment programs and projects and identify opportunities for national DTIB.

The priorities in armaments and military re-equipment projects should be defined in a multi-annual basis through the Armaments Plan and in line with the Defence R&D Plan, taking into consideration the national commitments made with EDA, NATO and bilateral cooperation.

Thus, the MOD should involve and report to the DTIB in advance future needs in systems, equipment and services. However, considering that most of the national DTIB entities are located at the lower levels of the supply chain, it is necessary to identify key technological needs of the Armed Forces and the business opportunities created in this context within the European defence and security markets and in the wider area of international competition and cooperation.

4.2.2 To coordinate public policy measures with impact on the national DTIB development that contributes to the identification of key industrial capabilities.

It is crucial to align, national industrial policies with those of European defense partners, particularly with EDA, in order to strengthen cooperation, transparency and trust.

Those policies, should promote SMEs approach to large companies in the defence sector, both national and European, and encourage knowledge sharing and identification of joint opportunities.

SMEs should seek synergies with leading companies and research centers, for R&D investment, since the defense sector is intrinsically connected to the development of high technology, through incentives to consortiums, technology and competitiveness clusters and other collaborative forms that facilitate funding access.

It is essential for increasing technological innovation, to strengthen research and development policies (R&D) for defence-oriented technologies, dual-use (military and civilian), which may also be applied to security, aeronautics, space and sea areas, in conjunction with the medium and long term demand for goods, services and related technologies..

The main areas of public policies mentioned above will contribute to the definition of key industrial sectors, resulting from the conjunction of the prioritized technology areas embodied in the Defence' R&D Plan, the Armament Plan and EDA and NATO cooperation environment, with the competitive and/or distinctive skills that may be identified as relevant to the national DTIB.

This document, conceptual by nature, constitutes the basis and the starting point for the definition/identification of industrial capabilities.

4.2.3 To affirm and reinforce the role of the defence technological and industrial sector, in the context of their contribution to the national economic development, giving particular emphasis to the scientific and technological system and national SMEs. The participation of national DTIB in research and technology projects and/or in production and maintenance of systems and equipment acquisition previewed under Military Programming Law (LPM), represents a potential opportunity for cutting-edge technology sectors allowing the access to international markets.

Thus it will contribute to the creation of highly qualified jobs and to the reinforcement of national capacity in high-technologies and greater added value areas by encouraging, where applicable, the development of dual-use technologies and solutions, common to other areas of civilian use that may enhance defence investment, influencing, positively, other economic sectors.

It is imperative, in this area, to promote equal opportunities for involved entities, strengthening SMEs support framework using, for this purpose, recent EU initiatives, as for example procurement and intra-EU transfers directives and the Small Business Act (SBA), published by the European Commission in June 2008.

- 4.2.4 To reduce external dependencies on defense technologies, goods and services, promoting a greater participation and involvement of the national DTIB on re-equipment projects, directing offsets towards business segments with greater added value.

The goal is to reduce dependencies on foreign strategic defense and security products, pursuing objectives in procurement policies promoting the involvement of the national DTIB in acquisition contracts and direct offsets.

In this context, offsets must be primarily oriented to business segments with greater added value, as exemplified by investments in R&D and Innovation activities, particularly in engineering competences (design, development, production, operation and systems maintenance).

Therefore, it seems important to improve the state support that regulates the offsets operations, enhancing coordination between those and the industry's most relevant sectors to the development of the DTIB.

- 4.2.5 To promote and enhance the participation of the national DTIB in programs, projects and other cooperative and competitive initiatives at European and international levels.

Public policies should encourage networking in a fair balance between cooperation and competition, at national and international levels, between research centers, universities and companies, encouraging the aggregation into consortiums and competitive and technological clusters in order to create the conditions for DTIB to compete on challenges and opportunities promoted by EDA, NATO and bilateral cooperation environment.

The participation in collaborative mechanisms, mainly in EDA framework, in areas of research and development and in armaments and military equipment programs, facilitates the consolidation of national and European DTIB, contributing to a more open, competent and competitive European Defence Market.

...Strategic Objectives

- To define priorities and identify opportunities for national DTIB.
- To coordinate public policy measures that contribute to the identification of key industrial capabilities
- To affirm and reinforce the role of the DTIB in national economic development
- To enhance the participation and involvement of the national DTIB on Armed Forces re-equipment projects, directing offsets towards business segments with greater added value
- To promote and enhance the participation of the national DTIB in international programs and projects

5. Implementation

- 5.1 The State has binding responsibilities towards the DTIB, acting as a customer, regulator, promoter and investor, based on equal opportunities between all involved actors. In this context, the fulfillment of the defined strategic objectives should be based on an action plan that coordinates tasks, entities and results. Therefore the operational objectives connected to each of the strategic ones are the following:

Objective nr. 4.2.1 (to define priorities and opportunities):

- a) To involve DTIB in the elaboration process of the Military Programming Law (LPM), and associated documents, Armament Plan and Defence's R&D Plan in order to identify the areas in which the DTIB may have the capability to intervene, in different time frames. The expected results are:
 - i) Identification of main equipments and services planned in the LPM, including budgets and foreseeable date, for the procurement;
 - ii) Analysis of DTIB opportunities that may be associated to the procurement of goods and services;;
 - iii) Identification of areas in which DTIB considers to have capacity to participate, in different time frames;
- b) Identify and disseminate opportunities for DTIB that take place on an internal, European, NATO and bilateral level, in areas pertaining to systems, equipments, services and defence technologies. The identification of these opportunities is mainly associated with the consolidation and dissemination of existing information in the MOD. The expected outcome is:

- i) Implement mechanisms for disclosure of opportunities for the DTIB;

Objective nr. 4.2.2 (to coordinate public policy measures that contribute to the identification of key industrial capabilities):

- a) To coordinate existing public policy measures that can be used to the development of the national DTIB. Since defence is an interdisciplinary field covering a wide range of sectors and activities including security, aeronautics, space and sea, it is necessary to define the framework of incentives mainly for research, innovation, external promotion and training areas. among The expected outcome is:
 - i) Identification of public policy instruments suitable for the development of the DTIB and its main features;
 - b) To improve the governance models ruling the offsets and control its implementation. The expected outcome is:
 - i) Definition of the priority areas aimed at strengthening DTIB capabilities;
 - c) To identify national competences (distinctive and/or competitive) in line with the Defence R&D Strategy, the Armament Plan and the cooperative context of EDA and NATO. The expected outcome is:
 - i) Defining the skills/key industrial sectors for the national DTIB

Objective nº 4.2.3 (to affirm and reinforce the DTIB role in national development):

- a) To identify the importance of DTIB for national economy, analyzing its respective weight in national economy, its development and potential capability to execute projects. The expected result is:
 - i) analysis of the impact of DTIB on national economy;
 - b) To define public policies aimed to reinforce the competitiveness of the national DTIB. Considering the wide scope of defence, security, aeronautics, space and sea areas, it is necessary to adapt the existing supporting framework, to obtain the appropriate support to the specificity of development, in a competitive and/or distinctive frame, of technologies, equipments and services. The expected result is:
 - i) Definition and implementation of public policies articulated with those already existing, aimed at the development of the DTIB.

Objective nº 4.2.4 (to enhance DTIB participation in Armed Forces re-equipment projects, directing offsets to activities with a greater added value):

- a) To characterize the DTIB in capabilities terms allowing evaluation of national technological incorporation in equipments and services to acquire under the Military Programming Law. The expected results are:
 - i) Framework of DTIB technologies;
 - ii) Analysis of the national DTIB capabilities.
- b) To facilitate DTIB access to armaments trade and industry. This goal has two lines of action: 1) enhancing the quality of the information produced in the scope of the opportunities associated with Defence, and 2) improving the instruments used for public procurement of goods, technologies and services for military purposes, especially those using offsets as a reinforcement of the DTIB potential. The expected results are:
 - i) Defining support instruments for companies to participate in equipment and services tenders for military purposes;
 - ii) Revise defence public procurement procedure to promote a progressive national participation in defence services supply and in the development, production and support, throughout the life-cycle, of equipment acquired or to acquire;
 - iii) Revision of defence procurement procedures in connection with offsets legislation. .

Objective nº 4.2.5 (to promote and to enhance the participation of the DTIB in international programs and projects):

- a) To encourage DTIB's participation in bilateral cooperative programs as well as within NATO and EDA, through the promotion and support of business opportunities. The expected results are:
 - i) Identification and promotion of opportunities related to DTIB participation in cooperative programs;
 - ii) Implementation of support mechanisms to DTIB's participation in international cooperative programs in defence, security, aeronautics, space and sea areas.
- b) To enhance the DTIB external network through the Ministry of National Defence (MOD), the Ministry of Economics, Innovation and Development (MEID) and the Ministry of Foreign Affairs (MFA) as institutional support to draw busi-

ness opportunities in the international market. The expected results are:

- i) External promotion of DTIB actions;
- ii) Institutional support to DTIB participation in international defence contracts as well as in security, aeronautics, space and sea areas.
- c) To strengthen and consolidate DTIB internal and external networks to promote the DTIB and business opportunities. The expected results are:
 - i) To consolidate and integrate the DTIB partners' network;
 - ii) To implement actions within the DTIB, to promote international opportunities.

- 5.2 In conclusion, the aim is to create conditions for the national industry with relevant expertise and competence for achieve levels of modernity and competitiveness that will ensure its growing involvement in international market.
- 5.3 In order to give guidance and priorities to the industry and to the scientific and technological sector it is necessary to first identify key industrial capabilities/sectors, resulting from the intersection of national competencies with opportunities for the development of the DTIB.
- 5.4 Once those key industrial capabilities/sectors are defined, they will constitute reference areas to be improved in a coordinated way by the State and the DTIB thus consolidating the industrial competencies and its place in the market..

...the implementation of this Strategy should contribute to the development of national DTIB in order to make it up-to-date, competitive and strengthen its place in the global market...

6. Governance

- 6.1 The current Strategy is the result of a joint effort of the Ministry of National Defence, the Ministry of Economy, and the participation of the main stakeholders of the DTIB, either at the institutional level, in particular the DGAIED (Portuguese Armaments and Infrastructures Directorate), the CPC (Offsets Permanent Commission), the AICEP (Portuguese Investment and Foreign Commerce Agency), either at the scientific, technological, and industrial level, represented by associations such as: CIP (Confederação Empresarial Portuguesa), AFCEA Portugal (...), AIM (...), DANOTEC (...), Eurodefense Portugal (...), PEMA's (...), and ProEspaço (...).
- 6.2 This document is the starting point of a collective effort to develop a national DTIB, in a process that aims to be clear, close, dynamic, and continuous.
- 6.3 All this process is ruled by principles of mutual transparency, simplification and intelligibility of procedures and goals based on effective communication and information exchange between all the intervenient.
- 6.4 The Strategy's implementation procedure is based on actions and identified operational objectives, in order to reach the expected results outlined in the Strategy.
- 6.5 The Ministry of National Defence in close coordination with the Ministry of Economy will ensure, through the operation of an appropriate governance mechanism, the coordination of the stakeholders (institutional, technological and industrial) as well as the definition and implementation of an action plan to implement the Strategy. It is therefore important to define and establish such a mechanism, ensuring through a dynamic interaction of actors, a mutual updated knowledge of the skills and capabilities of the national DTIB, a regular disclosure of business opportunities both nationally and internationally to encouraging collaborative solutions with their associated gains on efficiency and effectiveness.

... to define and establish a governance mechanism, ensuring through a dynamic interaction of actors, a mutual updated knowledge of the skills and capabilities of the national DTIB, a regular disclosure of business opportunities both nationally and internationally...

DEFENCE INDUSTRIES AND LOGISTICS BY SECTOR OF ACTIVITY

ENTREPRISE \ SECTOR OF ACTIVITY	INDUSTRY														LOGISTICS			
	AEROSPACE	NAVAL	LAND	EXPLOSIVES AND AMMUNITIONS	ROBOTICS AND AUTOMATION	COMMUNICATION AND INFORMATION SYSTEMS	SECURITY	MATERIALS TECHNOLOGIES	TEXTILE	SERVICES	RESEARCH	ENERGIES	HEALTH	ENVIRONMENT	GOODS & CATERING	PUBLIC WORKS	FOOTWEAR	TRANSPORTS
ABACO						•												
ACOSIBER	•																	
ACTIVE SPACE TECHNOLOGIES	•																	
ADAI	•																	
AEROHÉLICE	•																	
ALMA DESIGN																		
AMB3E																		
AMBIODIV																		
AMORIM CORK COMPOSITES																		
AROUNDFIELD																		
ARSENAL DO ALFEITE																		
ATM																		
AVP – AEROVOO PORTUGAL																		
Borges & Cantante																		
BROWNING VIANA																		
CAETANO COMPONENTS																		
CARRISTUR																		
CAMPORT																		
CASA ANGOLA INTERNACIONAL																		
CATERINGPOR																		
CEIIA																		
CELFINET																		
Center for the UnKnown																		
CeNTI																		
CENTIMFE																		
CESAM																		
CIAFA																		
CINAMIL																		

“In the matrix you will find highlighted the areas of activity of the enterprises with a blue square and enhanced its core business with a white point”.

		INDUSTRY														LOGISTICS			
ENTREPRISE	SECTOR OF ACTIVITY	AEROSPACE	NAVAL	LAND	EXPLOSIVES AND AMMUNITIONS	ROBOTICS AND AUTOMATION	COMMUNICATION AND INFORMATION SYSTEMS	SECURITY	MATERIALS TECHNOLOGIES	TEXTILE	SERVICES	RESEARCH	ENERGIES	HEALTH	ENVIRONMENT	GOODS & CATERING	PUBLIC WORKS	FOOTWEAR	TRANSPORTS
CINAV																			
CITEVE																			
CLEAR ENERGY																			
CMC-ID																			
CNBC																			
COBA																			
CODEONE																			
CONAFI																			
COURO AZUL																			
CP																			
CRITICAL SOFTWARE																			
CRITICAL MATERIALS																			
CROCKER, DELAFORCE & Cª.																			
CUNHOL																			
DECISÃO LÓGICA																			
DEIMOS ENGENHARIA																			
DEMARCA																			
DYN-AERO																			
ECOLUB																			
ECOPATROL																			
ECOPILHAS																			
ECV																			
EDAETECH																			
EDIGMA																			
EDISOFT																			
EEA																			
EFACEC																			
EID																			
ELACONTA																			
EMPORDEF T.I.																			
ENERNATURA																			

"In the matrix you will find highlighted the areas of activity of the enterprises with a blue square and enhanced its core business with a white point".

ENTREPRISE	INDUSTRY																	LOGISTICS		
	AEROSPACE	NAVAL	LAND	EXPLOSIVES AND AMMUNITIONS	ROBOTICS AND AUTOMATION	COMMUNICATION AND INFORMATION SYSTEMS	SECURITY	MATERIALS TECHNOLOGIES	TEXTILE	SERVICES	RESEARCH	ENERGIES	HEALTH	ENVIRONMENT	GOODS & CATERING	PUBLIC WORKS	FOOTWEAR	TRANSPORTS		
ENONDAS																				
ENVC																				
ENM																				
ENP																				
EPCA																				
ESRI Portugal																				
EST																				
EUROCOVER																				
EURONAVY																				
EVOLVE																				
FABREQUIPA																				
FCUL-LOLS																				
FEUP																				
FIBERSENSING																				
FISIPE																				
FREZITE-FMT																				
GEMAC																				
GEOCAM																				
GLINTT																				
GMV-SKYSOFT Portugal																				
GRAVINER																				
GRIDS - DAPS																				
GRUPO MOLDOESTE																				
HOLOS																				
HFAR																				
HPS																				
i-SETE																				
IBEROMOLDES, S.A.																				
IBERSOL																				
IDD																				
IDMEC																				

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ENTREPRISE	SECTOR OF ACTIVITY	INDUSTRY																LOGISTICS			
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IdMind																					
IDNT																					
IGeoE																					
IH																					
IHMT																					
IMOPLASTIC																					
IMPACTO																					
IMPL																					
INDRA																					
INDUMA																					
INEGI																					
Inesc-ID																					
INFOSISTEMA																					
INOV – INESC INOVAÇÃO																					
INCOMPOL																					
INTELI																					
IntRoSys																					
IPN																					
ISODET																					
ISQ																					
IST																					
ITQB																					
JOTA96																					
KRISTALTEK																					
LAVORO																					
LAUAK																					
LDBD																					
LEDAP																					
LEPAE																					
LINK CONSULTING																					
LISMOLDES																					
LISNAVE																					

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LISTRAL								•												
LMPF													•							
LN MOLDES								•												
LNEG											•									
LOGISTEMA						•														
LSRE											•									
LUIS SIMÕES																			•	
LUSOSPACE		•																		
MARTIFER																•				
MENAVAL			•																	
METATHEK								•												
MCG								•												
MICROSEGUR								•												
MDU								•												
MOLDES RP								•												
MOLFIL									•											
MOTA-ENGIL																				
MSF																	•			
NanoPore Solutions								•												
NAVALRIA			•																	
NAVALROCHA			•																	
NAUTIBER			•																	
NDRIVE							•													
NELO								•												
NEOSPEC					•															
NOVABASE						•														
OBE & CARMEM								•												
OceanScan-MST			•																	
OGMA		•																		
OGME				•																
OLESA								•												
OMNÍDEA												•								

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ENTREPRISE	SECTOR OF ACTIVITY	INDUSTRY																LOGISTICS			
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OPTIMAL																					
OUTSYSTEMS																					
PALBIT																					
PALEURO																					
PATINTER																					
PENTEADORA																					
PIEP																					
PINGO DE MEL																					
PLANETA VIVO																					
PLASDAN, Lda.																					
PLY Engenharia LDA.																					
PLOGP - GeoSolutions																					
PORTINAVE																					
PRIPT-PRIMAVERA																					
REDITUS																					
RETA																					
RIBERMOLD																					
SDT																					
SDV																					
SELF ENERGY																					
SETRONIX																					
SETSA																					
SIPAMAR																					
SOARES DA COSTA																					
SOCIEDADE PONTO VERDE																					
SOMAGUE																					
SOPROMAR																					
SPIN.WORKS																					
SRE																					
TAP Maintenance & Engeneering																					
TAP																					
TEandM, S.A.																					

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ENTREPRISE	INDUSTRY																LOGISTICS	
	AEROSPACE	NAVAL	LAND	EXPLOSIVES AND AMMUNITIONS	ROBOTICS AND AUTOMATION	COMMUNICATION AND INFORMATION SYSTEMS	SECURITY	MATERIALS TECHNOLOGIES	TEXTILE	SERVICES	RESEARCH	ENERGIES	HEALTH	ENVIRONMENT	GOODS & CATERING	PUBLIC WORKS	FOOTWEAR	TRANSPORTS
TECNIMEDE											•							
TEIXEIRA DUARTE																		•
TEKEVER						•												
THALES Portugal						•												
TIM WE						•												
TROFAL																	•	
UAVision - Aerospace	•																	
UBI											•							
UEPRO								•										
UETN – CENTEC											•							
UNIÃO CONSTRUTORA NAVAL		•																
URBANOS																		•
VALOR PNEU														•				
VISION BOX							•											
YDreams, S.A.						•												
3MARCOS								•										

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1. AGENCIES

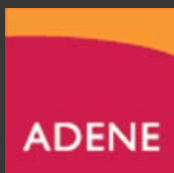
ADENE - Agência para a Energia

AICEP - Agência para o Investimento e Comércio Externo de Portugal

APA – Agência Portuguesa do Ambiente

1. AGENCIES

ADENE



contacts:

ADENE – Energy Agency
 Rua Dr. António Loureiro Borges, nº
 5 - 6º andar
 Arquiparque – Miraflores
 1495-131 Algés - Portugal
 Phone: +351 214 722 800
 Fax: +351 214 722 898
 www.adene.pt
 geral@adene.pt

AGENCY

Adene is a public utility associative institution, with majority (69.66%) participation by institutions of the Ministry of Economy and Innovation, namely: Directorate General of Geology and Energy (DGGE), Directorate General of Company (DGE) and National Engineering, Technology and Innovation Institute (INETI). The public service electricity and gas supply utility companies (EDP and Galp Energia) detain 22% of the shares and 5.74% is shared by LNEC, ISQ, FEUP, AMP, CCDRN and CBE.

MISSION

The Energy Agency mission is to promote and perform activities of public interest in the energy sector and respective interface with the other sectoral policies.

VISION

Adene gives priority to activities of public interest in the energy policy domain and responsible or licensed public services in the energy sector and can perform in relevant areas in other sectoral policies, when interconnected with the energy policy, in articulation with other competent public entities.



ACTIVITIES

- Projects within the scope of various community programs, in partnership with other Agencies and International Organizations;
- Participation in the European Energy Agency Network (EnR);
- Management of the National Energy Certification and Indoor Air Quality System (SCE) and the Intensive Energy Consumption Management System (SGCIE);
- National priority areas, like the National Action Plan for Energy Efficiency (PNA-EE), as well as interventions in the Procurement Management and Renewable Energy domains with large players in the Portuguese energy market.

PARTNERSHIPS

- LEADEROeste / ADENE protocol;
- EPAL / ADENE - 2007-2009 protocol;
- Confidencial Imobiliário / ADENE protocol;
- CERTIF / ADENE protocol.

MARKETS

- Internal.

CERTIFICATIONS

Ongoing ISO 14001 certification process.



1. AGENCIES AICEP

AGENCY

Aicep Portugal Global is a public business agency focused in encouraging investment in Portugal and contribute to the success of Portuguese companies abroad in their internationalization processes or export activities.

MISSION

- Promoting a competitive business environment to attract and assist structuring investment projects;
- Promoting Portuguese exports, by increasing the number of exporting companies and encouraging a larger incorporation of technology in their products;
- Promoting and spreading the Portuguese economic offer, namely in the area of goods and services;
- Supporting the internationalization of Portuguese companies, mainly the small and medium-size ones.
- Promoting Portugal's image abroad as well as the Portuguese brands.



aicep Portugal Global

contacts:

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Av. 5 de Outubro, 101
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Porto
O' Porto Bessa Leite Complex
Rua António Bessa Leite
1430 - 2º andar
4150-074 Porto - Portugal
Phone: + 351 226 055 300
Fax: + 351 226 055 399
www.portugalglobal.pt
aicep@portugalglobal.pt

ACTIVITIES

Aicep Portugal Global – Business Development Agency develops its activity supported by a large network of business offices, business units and representations, over the five continents. This network is a key factor to perform the strategy of the Agency as facilitator of business and commercial contacts.

PORTUGAL

Would you like to invest in Portugal?

If you are looking for a profitable location for your investment, let us help you achieve the best results

Would you like to buy Portuguese goods and services?

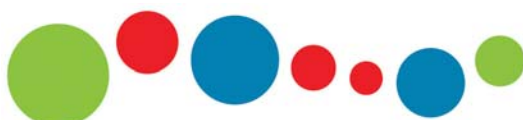
We can introduce you to the Portuguese companies that are an example of excellence in the global market.

AICEP is your “one-stop-shop” Agency, and reliable partner, whenever you are looking to invest in Portugal or buy Portuguese services or products.

Aicep Portugal Global has an Overseas Network of 50 offices in 44 countries to assist you in your business plans towards Portugal.

Innovation, talented people and leading companies are building a new country. Think Portugal as a symbol of high technology, high quality products, a place to invest or to live in.

With a strong pool of skilled and talented people, Portugal is a gateway to a 250 million Portuguese speaking market. In the West Coast of Europe, Portugal's strategic position makes business easy whether you go West or East.



1. AGENCIES

APA

AGENCY

The Portuguese Environment Agency (APA) was created by DL No. 207/2006, 27th October, which approved the Organic Law of Ministry of Environment, Spatial Planning and Regional Development, as the result of the Environment Institute (IA) and the Waste Institute (INR) fusion.

MISSION

The Portuguese Environment Agency (APA) is responsible for proposing, developing and monitoring the implementation of environmental policies, particularly in the context of environment sectoral policies integration, including health and transport and in the area of climate change mitigation, ozone protection, air quality, noise prevention and control, waste, soil and other contaminated sites recovery, integrated prevention and control of pollution, major industrial hazards prevention, populations and environmental safety, eco-labeling, green purchasing and voluntary environmental management.



contacts:

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Fax: + 351 214 719 074
www.apambiente.pt
geral@apambiente.pt



ACTIVITIES

In order to support the formulation, development and monitoring of environmental policies, APA is responsible for SNIAmb, National Environment Information System, founded on a set of national and international strategic partnerships. In this context, APA provides, maintains and disseminates the reference center for environmental data and promotes the integrated analysis and monitoring of the policies and measures implementation results, producing reports that state environment pressures and conditions applied to it.

In the climate change area, APA is the Competent Authority for the European Union Emissions Trading System (EU ETS), with responsibilities for national coordination and system administration of the National Registry of Emission Allowances. It is also the Competent Authority for SNIERPA (National Inventory of Anthropogenic Emissions by Sources and Removals by Sinks of Air Pollutants), that monitors Kyoto targets compliance.

APA is also Environmental Impact Assessment National Authority; in this area it develops and follows the environmental impact assessment methodology, coordinates the activities of CCDR as Environmental Impact Assessment Authority and carries out environmental impact assessment of major projects. APA is also the Plans and Programs Environmental Assessment National Authority (Strategic Environmental Assessment).

APA is the Integrated Pollution Prevention and Control National Authority; in this area manages the large facilities environmental licensing process, and monitors and evaluates the permit conditions compliance. APA is also the Competent Authority for the PRTR, European Pollutant Release and Transfer Register.

APA is the National Waste Authority; in this framework proposes, develops and monitors the strategies implementation for waste management, and exercise the authority to waste management operations licensing, specific waste streams management entities, and administrative and operational control of waste shipments. APA also promotes the organization and regulation of the waste organized market (MOR). APA is also the competent authority for the environmental responsibility system.

2 ASSOCIATIONS

ACHAR - Associação dos Agricultores de Charneca
 AEP - Associação Empresarial de Portugal, Câmara de Comércio e Indústria
 AFCEA PORTUGAL – Association for Communications, Electronics, Intelligence and
 Information Systems for Professionals
 AIM/AIN - Associação das Indústrias Navais
 AIP - Associação Industrial Portuguesa
 Amb3E – Associação Portuguesa Resíduos Equipamentos Eléctricos e Electrónicos
 ANETIE - Associação Nacional das Empresas das Tecnologias de Informação e Electrónica
 CEFAMOL – The Portuguese Association for the Mould Industry
 COTEC – Business Association for Innovation
 DANOTEC – Portuguese Defence Association
 EURODEFENSE PORTUGAL – Eurodefense Network of Associations
 ITS Portugal – International Transport Forum
 PEMAS – Portuguese SME for the Aerospace Industry
 PROESPAÇO – Portuguese Association of Space Industries

Other companies worthy of reference:

AECOPS – Associação de Empresas de Construção e Obras Públicas
 ANTP – Associação Nacional das Transportadoras Portuguesas
 APICCAPS – Associação Portuguesa dos Industriais de Calçado, Componentes, Artigos de
 Pele e seus Sucedâneos
 APOL – Associação Portuguesa de Operadores Logísticos
 ADFERSIT – Associação Portuguesa para o Desenvolvimento dos Sistemas Integrados
 de Transportes
 CIP – Confederação da Indústria Portuguesa
 Oceano XXI – Associação para o Conhecimento e Economia do Mar

2. ASSOCIATIONS

ACHAR



contacts:

ACHAR
 Associação de Agricultores da Charneca
 Rua Direita de S. Pedro, 152
 2140-098 Chamusca - Portugal
 Telf: +351 249 760 041
 Telm. +351 938 253 294
 Fax: +351 249 760 043
www.achar.pt
charneca@achar.pt

ASSOCIATION

ACHAR - Moor Farmer's Association - was founded in 1989

The association vast area of intervention, includes the municipalities of Santarém, Alpiarça, Chamusca and neighboring, within 100 000 hectares of national territory area. The moorland region area is represented by the members of ACHAR, over one hundred and fifty members occupying approximately 50,000 hectares.

MISSION

ACHAR aims to promote the development of moorland agro-forestry-pastoral area, to defend farmers' interests and regionally represent them. Other objectives to be achieved are the general rural development, environmental protection, rational management of natural resources and in particular the continuation of the interests of its members through joint management of forest areas.



ACTIVITIES

- Forest Management Plan: to design practical forest for 20/25 years, establishing forest projects; wood or cork oak quality and quantitative evaluations;
- Protection Forest Plans: the forests are dynamic systems in which the change of the structure, age and density modify its global susceptibility to biotic factors, as for example bugs and fungus. The goal of these plans is the regulation of its populations to levels that do not compel to management changes nor provoke significant damages in forest, by populations monitoring and treatment if adjusted;
- Burned areas recovery;
- Forests infrastructures planning through damage evaluation and ecosystems reaction;
- Properties Management: Agro-forest Management services, which includes qualified technical and administrative support of our organization;
- Fire Prevention: seven cars with forest kits and complementary equipment, to effect fire prevention in the municipality of Almeirim, Alpiarça and Chamusca;
- Forest Intervention Zones: continuous area, mainly forest spaces, with several landowners with a single forest management plan which includes forest fire preventive plan.

SERVICES

- Protection against forest fires;
- Projects preparation;
- Fast growing species;
- Property splitting;
- Resources Property Management Inventory;
- Pests and diseases monitoring and treatment;
- Biophysical planning;
- Management plans and planning;
- Cork tree /Holm oak and Pine tree protection.

CERTIFICATIONS

Sustainable forest certification of a group in accordance with the FSC and PEFC.

2. ASSOCIATIONS

AEP

ASSOCIATION

The AEP - Portuguese Business Association is a nation-wide business association based in Oporto and founded in 1849, although the first statutes date from 1838.

The AEP develops a variety of activities, in particular a wide range of business services including trade fairs; exhibitions; congresses; business information and support; consultancy; professional training; trade missions; business and investment's promotion; representation and safeguarding interests of its members reinforcing the role of business association on both national and international levels.

MISSION

To safeguard the interests of companies and provide services to reinforce its competitiveness.

In pursuing its objectives AEP is organized under a business model, consisting of business units, able to effectively hand out its associates and the national economy.

BUSINESS INFORMATION

Access to legislation through AEP site.

Access to the main centers of distribution of databases worldwide.



contacts:

AEP – Associação Empresarial de Portugal
Av. da Boavista, 2671
4100-135 Porto – Portugal
Phone: + 351 226 158 500
Fax: + 351 226 176 840
www.aeportugal.pt
aep@aeportugal.com

SERVICES

Services provided through ICC - Chamber of Commerce and Industry

- Incentive Systems; Innovation, Mediation and Industrial Property;
- Legal Support and International establishment of Companies.

Services provided through EURISKO

- Strategic Planning;
- Planning Studies, Local and Regional Planning and Development;
- Projects and Project Management;
- Environmental Consulting;
- Licensing Procedures;
- Management Consulting.

Services provided through IDIT

- Laser Materials Processing;
- Industrial Acoustics;
- Laboratory of Water and Wastewater;
- Information Technology Industry.

AEP RELATED COMPANIES

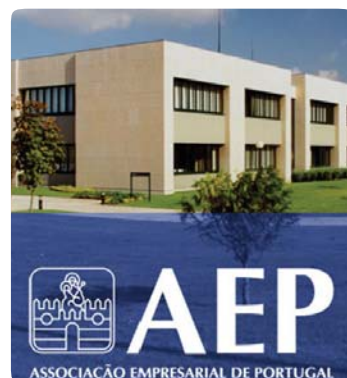
- EGE - Management Business School;
- EXPONOR - Association of Exhibition Sites of the North of Portugal;
- EXPONOR Brasil;
- EUROPARQUE - Economic and Cultural Centre;
- EURISKO - Studies, Projects and Consultancy;
- PARQUE-INVEST - Industrial Parks Promoting Company;
- CESAE - Centre Providing Services and Support to Companies;
- IDIT - Institute for Technological Development and Innovation;
- VISIONARIUM - Europarque Science Centre.

CONGRESSES

EUROPARQUE;
EXPONOR.

BUSINESS PARKS

PARQUE-INVEST;
SCIENCE CENTRE Visionarium – Europarque Science Center;
CULTURAL ACTIVITY Europarque Cultural Center.



2. ASSOCIATIONS AFCEA



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1300-307 Lisboa – Portugal
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www.afceaportugal.pt
afceaportugal@aip.pt

ASSOCIATION

AFCEA Portugal started its formation at the beginning of 1987, with a visit of some directors of AFCEA Internacional who, together with civil and military engineers, encouraged the creation of a Chapter in Portugal. This group of technicians submitted their application, which was accepted by the international structure.

ASSOCIATES

The initial associates, amounting to twenty-four, met to consecrate AFCEA Portugal on 31 January 1988 with the presence of the General Director of AFCEA-Europa. Soon after that the Association was set up by public deed as a non-profit organization without equity.

Up till now, the Association has been financially managed with grants given by Official Entities and its associates.

GOALS

- To facilitate exchange of information and ideas between officers responsible for the National Defence in the Communications, Electronics, Intelligence and Information Systems areas and technicians from Industries and Research Centres;
- To promote initiatives aiming at facilitating information of the needs and updated requirements of Defence as well as the Industry and Research capacities to meet those needs.

ACTIVITIES

- International symposiums in C4I;
- Meetings with associates;
- Seminars on Simulation and Security.

ASSOCIATES



2. ASSOCIATIONS AI NAVAIS

ASSOCIATION

The Portuguese Naval Industries Association (Associação das Indústrias Navais – AI NAVAIS), is an Employers Association, non-profit and nationwide.

AI NAVAIS represents different areas of the naval sector, such as materials, equipment and services suppliers, consultancy and design, R&D institutions, universities and ship classification societies, constituting its core the shipbuilding and ship repair.

This sector is quite diverse, in terms of dimension and technologies employed, ranging from the maintenance of large merchant ships or the construction of complex ships, maintenance of the Navy fleet, up to small units for leisure or fishing, with significant presence in the international market for the repair of large vessels and has a number of yards of medium or small dimensions, dispersed by nearly all the continental Portuguese ports.

MISSION

Being the exclusive representative of the active companies in the shipbuilding and repair industry AI NAVAIS is the privileged partner, in cooperation with the responsible national and foreign entities, to promote sector modernization, competitiveness and sustainable development.



contacts:

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Associação das Indústrias Navais
Sede: Rua Jorge Afonso, 31, 6º
1600-126 Lisboa – Portugal
Phone: +351 217818770
Fax: +351 217818779
www.ain.pt
ain@ain.pt

ASSOCIATES

The main associates of AI NAVAIS contribute positively to the Portuguese trade balance and the consequent reduction in the external deficit, since the more than 400 million invoicing, 85% are exported. Moreover, the universe of members, 80% is SME's, many with great traditions in Portuguese and industrial landscape in the demanding marine and naval sectors.

In terms of creating and maintaining employment, all associates are responsible for over 5000 jobs, mostly direct.

Internationally, the AI NAVAIS is a recognized and respected partner, integrating and participating regularly in the Directors Committee of CESA Community of European Shipyards Association, and also in SMRCG - Ship Maintenance, Repair and Conversion Group, thus representing the Portuguese shipbuilding and ship repair industry internationally.

Under the CESA, together with the German and Dutch Associations, AI NAVAIS founded the TAC – Technical Advisory Committee, aimed at the elaboration of technical advice and co-ordination of the participation of European Shipyards with the IMO (International Maritime Organization), EMSA (European Maritime Safety Agency) and the European Commission, assuming its Presidency during the 2006-2007 biennium. The AIN is also a member of CIP - Confederation of Portuguese Industry and FENAME - National Federation of Metal, in Portugal.

CERTIFICATIONS

AI NAVAIS is the Portuguese organization for Standardization Sector (ONS) for the “Shipbuilding and Marine Technology”, by delegation of the Portuguese official entity (IPQ-Instituto Português da Qualidade). The ONS/AI NAVAIS coordinates the Technical Standardization Committee CT68, covering design and construction, equipment and readiness, environmental issues related to navigation and ship operation.



2. ASSOCIATIONS

AIP

ASSOCIATION

Associação Industrial Portuguesa – Confederação Empresarial since January 1837 AIP became a relevant association for the interests of the industrial activity and economic development of the Portuguese community.

MISSION

The development of conditions and capacities for competitiveness among companies and the access to open markets.

Guarantee the satisfaction of its associates and customers in general, adequately understanding their needs as well as their expectations in order to maintain their trust.



contacts:

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 Confederação Empresarial
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 1310-965 Lisboa – Portugal
 Phone: +351 213 601 000
 Fax: +351 213 641 301
www.aip.pt
aip@aip.pt



PROJECTS

The projects main objective is based on the nourishment of socially responsible products that create real utility and efficiency for those who use them and represent political, economic, social and employment activities at the national level. The main projects are:

- Asiex Project
 This project gives Portuguese exporting companies access to markets in Japan and the People's Republic of China.
- PALOP Project
 ANGOLA - Ornamental Stones Sector;
 MOZAMBIQUE - Entrepreneur's Guide/Gateway to Mozambique;
 SOUTH AFRICA - Entrepreneur's Guide/Gateway to South Africa;
- International SME Project
 Increases Portuguese exports;
 Enables 30 Portuguese SMEs to engage in the sustained internationalization of their business;
 Helps human resources to develop their competencies and skills in international trade;
 Helps companies to define and implement their internationalization strategies.
- RSO Matrix Project
- CSR Project

CERTIFICATIONS

Quality in AIP is an essential function for the progress of businesses and organizations. To ensure this commitment, AIP-CE implemented a Quality Management System in accordance with the ISO 9001:2000 standard, defining guiding principles that are at the heart of its Quality Policy in order to guarantee and demonstrate its ability to provide services of greater value.

The AIP-CE Quality Management System ensures the achievement of the approved Quality Policy, based on two fundamental pillars:

The duty of the Portuguese Industrial Association - Business Confederation (AIP-CE), as part of its mission to support business development in Portugal, is to serve as an example for the business world. That is why it has made a lasting commitment to develop and provide services that meet the expectations of its associates, its companies and the Portuguese economy.

Guarantee the motivation, performance and development of its employees, optimizing and improving the management of their procedures and methods.

2. ASSOCIATIONS

Amb3e

ASSOCIATION

Amb3e- Portuguese Association for the Management of Waste from Electrical and Electronic Equipment is a non-profit association under private law, which on March 13th, 2006, received its licence granted by the Ministers for Economy and Innovation and Environment and Territorial Planning, giving it the right to manage waste from electrical and electronic waste.

MISSION

The Association's Mission is particularly the waste management, although not limited to, waste resulting from electrical and electronic equipment (EEE) flows and from batteries and accumulators (B&A).

VISION

This way, the first priority of Amb3E is to manage WEEE created at the end of the EEE life, and encourage its reuse, recycling and other ways of treating it, contributing for its reduction and so that its deposition is done properly, contributing for an improvement in the environmental performance of all economic agents involved in the life cycle of EEE.



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amb3e@amb3e.pt

ACTIVITIES

AMB3E represents Portugal at WEEE Forum which is a non-profit European Association, created in April 2002, currently comprising 39 waste management systems for electric and electronic equipment in 23 countries. Its mission is to be a platform of collaboration and debate among its members, developing mechanisms allowing for exchanging adopted practices and results between its members, therefore optimising the performance of each managing entity. Portugal is represented at the WEEE Forum by Amb3E, member of this association since August 2006.

In 2009 the meetings of the association focused on two great matters:

Symbol of excellence of WEEE: In 2008 a work group was nominated for coordinating the approved action plan. In 2009 first steps were taken during a meeting, which allowed for managing entities interested in the development of a symbol of excellence to be heard.

“WEEE label of excellence” project, co-financed by the European Commission under Life+ program, and running from 2009 until end 2012.

PRODUCTS/SERVICES

- Electrical and Electronic Equipment Waste (WEEE);
- Batteries & accumulators.

PARTNERSHIPS

- Logistics operators - are numerous and are scattered throughout various districts and counties in the country.

MARKETS

- Internal.



2. ASSOCIATIONS

ANETIE



contacts:

ANETIE – Associação Nacional das Empresas das Tecnologias de Informação e Electrónica
 Sede: Rua Paulo da Gama, 629
 4150-589 Porto – Portugal
 Delegação de Lisboa
 Quinta de Santa Marta,
 Estrada da Circunvalação
 1495-129 – Algés
 Phone: +351 214 134 660
 Fax: +351 309 978 655
www.anetie.pt
geral@anetie.pt

ASSOCIATION

ANETIE is an Entrepreneurial Association for the Portuguese enterprises dedicated to the information Technologies, Electronics and Communications.

ANETIE represents more than 50% of those enterprises, nation-wide, and exists to protect their activities and to promote the sector's growth.

We aim to increase co-operation and partnership among the Portuguese technology based enterprises and the main clients, scientific community and government.

The Information Technology and Electronics - ITE sector is currently seen as a very important strategic sector for the development of the countries, due to the triggering effect it produces on global competitiveness, reflected in others economic sectors. Portugal has been following the increasing development of this important sector, and it should be noted that several companies were created in the last few years, which managed to level their products with other worldwide renowned companies.

It is a young dynamic sector, which reveals a high growth potential, and gathers about 400 small and medium sized enterprises.

INFORMATION TECHNOLOGY AND ELECTRONICS IN THE PORTUGUESE ECONOMY

The triggering behind the growth of the information technology and the electronics sector in the Portuguese economy occurred in the fifties with the automation of the national telephone network.

In the sixties Portugal opened its doors to foreign investment, particularly in the electronics consumer goods sector.

The seventies were characterised by the development of the local manufacturing of electronic components and computer parts, memory devices and magnetic heads.

The eighties saw an intensification of component assembly activities.

The Portuguese information technology and electronics sector is currently operating in all subsectors. These include telecommunications, software, electronics, consumer electronics and defence and aerospace electronics.

MOST IMPORTANT SUBSECTORS

The software production and information industry and communication subsector is basically comprised of small and medium Portuguese owned companies whose production, initially mainly geared to the requirements of the domestic market, now also responds to the requirements of external markets.

Multinationals operating in Portugal does not specialise in their software production and prefer to subcontract the development of customised software to Portuguese companies.

ELECTRONICS COMPONENTS SUBSECTOR

The Electronics Components subsector in Portugal covers the production of a wide range of products manufactured by multinational and Portuguese owned companies. Most of the production of the major multinationals operating in Portugal is geared to the export market.



2. ASSOCIATIONS CEFAMOL

ASSOCIATION

Cefamol is a non-profit making organisation whose main objective is the development of the Moulds industry in Portugal. Our efforts are based on the promotion of the Industry, its technological research, training and knowledge exchange.

CEFAMOL, was founded in 1969, through the initiative of seven companies based in Marinha Grande region who were manufacturers of mould for plastics.

This association has more than 115 member companies representing approximately 90% of Portuguese total production.

CEFAMOL is a founding member of the Portuguese Engineering and Tooling Cluster – officially recognized by the Portuguese Government.

CEFAMOL was the driving force of the setting up of CENTIMFE – Technological Center for Moulds, Special Tooling and Plastics Industry founded in 1991.



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Phone : +351 244 575 150
Fax : +351 244 575 159
www.cefamol.pt
cefamol@mail.telepac.pt

ACTIVITIES

Since its foundation, Cefamol has developed several efforts to increase value on the industry, such as:

- Representing the Sector to the Government and its official institutions and organizations;
- Promoting the Industry, organizing international campaigns, including trade missions and collective participation in international fairs;
- Representing the Portuguese Moulds Industry on ISTMA-International Special Tooling and Machining Association;
- Participating on R&D projects, both national and internationally;
- Publishing the technical magazine “O MOLDE”;
- Organizing specialized Training Activities;
- Organizing market information and market studies;

Cefamol has also actively sought to develop co-operation activities among companies, companies and knowledge centres (universities, R&D institutions, etc.) and between the moulds and plastics transformation industry. The objective is to reinforce a potentially important cluster of companies within Portuguese industry.

IN COURSE PROJECTS

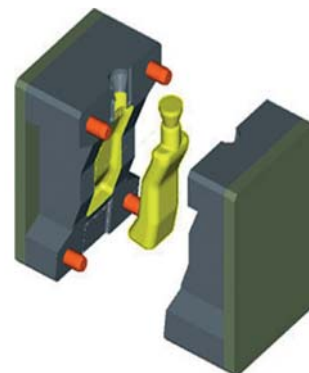
Clusterplast - Innovation through Co-operation

The value of a company is nowadays significantly affected by its network activities. Many companies expect heavy seas ahead through the current economic situation. Studies show, that it is important nowadays to have powerful networks to be more innovative and competitive than other companies. In order to set-up and implement coherent economical development strategies, it is essential for the European Polymer Converting Industry (EPCI) to structure and support its economical development on the basis of its local/regional clusters. The CLUSTERPLAST-Project will aim to achieve this goal through setting up a Joint Action Plan (JAP) dedicated to support actions common to 6 European regions.

Engineering and Tooling From Portugal

CERTIFICATIONS

Quality Management System according to Reference Norms NP EN ISO 9001:2008.



2. ASSOCIATIONS COTEC

ASSOCIATION

COTEC Portugal was created in April 2003, by a group of companies established in Portugal which gross added value represented about 18% of the Portuguese GDP. Since COTEC Portugal began, the President of the Portuguese Republic has been its General Assembly President. With the mission of «promoting the competitiveness of companies established in Portugal, through the development and the diffusion of a culture and a practice of innovation as well as of knowledge, specially that generated in our country» COTEC Portugal is a non-profit business association that counts on the support of its associated companies and all agents of the National Innovation System (NIS) to accomplish its goals through the implementation of initiatives in a variety of areas.



contacts:

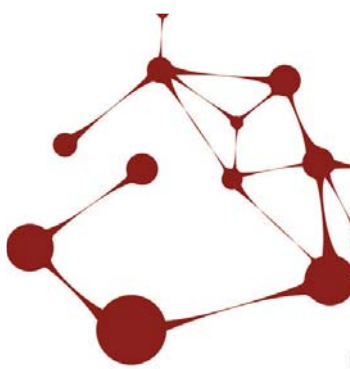
COTEC Portugal
 Associação Empresarial para a Inovação
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 4149-002 Porto – Portugal
 Telef +351 226 192 910
 Fax: +351 226 192 919
 www.cotec.pt/
 secretariado@cotec.pt

MISSION

To promote the competitiveness of companies established in Portugal, through the development and the diffusion of a culture and practice of innovation as well as of “resident” knowledge.

VISION

To become a key agent of business innovation in Portugal, by challenging both public and private organizations of the national innovation system (NIS) and by coordinating its intervention with them.



PROJECTS

The plan that COTEC Portugal has proposed to materialize is part of a social context of extreme complexity, involving a large amount of potential actors (companies – being ones associate members of COTEC Portugal and others not –, associate structures, public institutions – being ones related to the central power and other to the local power –, etc.) with distinct and potentially divergent objectives, constrains of different orders – economic, social, educational and cultural – which determine that the more significant transformations to perform are necessarily from medium term and long term, and with different evaluation points of view.

For the first time, Portugal witnessed the creation of a private project (where a significant part of the enterprise sector has organized to promote national innovation) with special characteristics, such as to start-up following an initiative of the President of Portugal and to have the support of all agents of the NIS, which allow this associative structure to join conditions to lead the changing process in Portugal considered on its mission. This is the way of being and the culture that have been guiding COTEC Portugal in its work so far and that will continue to advocate in the future.

STRATEGIC VECTORS

- Theme 1. To promote a culture of innovation as a crucial source of company competitiveness;
- Theme 2. To foster the practice of innovation by all the agents of the NIS;
- Theme 3. To influence the strategic orientation of both the Portuguese and the European Innovation Systems;
- Theme 4. To remove context barriers to innovation.

SME NETWORK

COTEC endorses an expanding Innovative SME Network based in Portugal but operating internationally and in alliances through a culture of growth, results and good practices.

The priorities of COTEC within the scope of such SME Network are to promote and gain public recognition for this group of companies that reflect, through innovation and competence, the right market attitude and the value creation skills needed to succeed in today's changing world, and to encourage cooperation between COTEC associate companies and the SME.

2. ASSOCIATIONS DANOTEC

ASSOCIATION

Associated members range from industrial and manufacturing companies to software houses, research institutes and university departments.

At the present the total number of members is 27.

MISSION

To represent the associated members at institutional level, in national and international forums.

To promote any action and all initiatives that contribute to the continued growth of the Portuguese defence-related industry.

To distribute information of interest to the activities of members, including the organisation of workshops and seminars on defence industry subjects.

To support initiatives leading to the institution of technical committees for the supervision of conformity to standards applicable to any industry branch represented amongst its associates.



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EXTRA – Rego da Amoreira
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Phone: +351 212 312 708/09
Fax: +351 212 312 710
www.danotec.pt
contact@danotec.pt

PARTNERS

- ACOSIBER - Pintura Aeronáutica Unipessoal, Lda;
- AEROHÉLICE, Sociedade de Manutenção e Revisão Geral de Hélices, Lda;
- C3P - Centro Para a Prevenção da Poluição;
- CRITICAL SOFTWARE, SA;
- EDISOFT - Empresa de Serviços e Desenvolvimento de Software, SA;
- EID - Empresa de Investigação e Desenvolvimento de Electrónica, SA;
- EMPORDEF - Empresa Portuguesa de Defesa (SGPS) SA;
- EMPORDEF TI – Tecnologias de Informação;
- ENVC - Estaleiros Navais de Viana do Castelo, SA;
- ESRI Portugal – Sistemas de Informação Geográfica, S.A.;
- FEUP - Faculdade de Engenharia da Universidade do Porto;
- GMVIS SKYSOFT, SA;
- HOLOS – Soluções Avançadas em Tecnologias de Informação. SA;
- IDD - Indústria de Desmilitarização e Defesa, SA;
- INEGI - Instituto de Engenharia de Sistemas e Computadores;
- INESC PORTO - Instituto de Engenharia de Sistemas e Computadores do Porto;
- INETI - Instituto Nacional de Engenharia, Tecnologia e Inovação, I.P.;
- INOV INESC Inovação - Instituto de Novas Tecnologias;
- INTELI - Inteligência em Inovação, Centro de Inovação;
- ISQ - Instituto de Soldadura e Qualidade;
- MADAN PARQUE - Associação Parque de Ciência e Tecnologia Almada/Setúbal;
- NAVALROCHA - Sociedade de Construção e Reparação Navais, SA;
- PARADIGMAXIS – Arquitectura e Engenharia de Software, SA;
- OGMA - Indústria Aeronáutica de Portugal, SA;
- SATA AIR AÇORES, SA;
- TAP AIR PORTUGAL, SA;
- TEKEVER - Tecnologias de Informação, SA.



2. ASSOCIATIONS

EURODEFENSE Portugal



contacts:

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Fax: +351 213 635 608
www.eurodef.aip.pt
eurodefense@aip.pt

ASSOCIATION

In 1996, Portugal received an invitation from the EuroDefense-Spain to integrate the EuroDefense network of associations. After contacts between the minister of national defence and the minister of economy, the Institute of National Defense (IDN) and the Portuguese Industry Association (AIP) it was signed in May 27th, 1997 a protocol of cooperation for the creation of the EuroDefense-Portugal studies centre. In the third meeting of EuroDefense associations held in Madrid, in May 1997, Portugal was accepted as a member.

MISSION

- Safety and defense study questions in the sphere of action on the framework on the European Union Treaty;
- Promote discussion host forum about lessons learned;
- Organize and promote seminars, meetings, discussions and conferences about European defense;
- Keeping in touch and share information and ideas with the other Europeans partnerships;
- Show studies and information about their activity;
- Assign studies and work to outside entities.



OBJECTIVES

The Eurodefense-Portugal Studies Centre has the following goals:

- to study subjects, related to the security and defence of Europe in the sphere of action of the EU treaty, that can cause consequences for the defence industries and for the activities of the corporate associations;
- to act as a forum for the debate between experts relatively the above mentioned subjects;
- to organize and promote the execution of seminars, meetings, debates and conferences related to the European Defence;
- to keep contacts and promote the exchange of informations and ideas with other EU countries;
- to present studies and informations in result of its activity to the institutors;
- to attribute studies and labour to external entities in accordance with the plan of activities.

ACTIVITIES

- Climate changes and international security Leader : ED-Portugal. Created in October 2008.
- 14th International Meeting in Luxemburg (2008) 26th - 28th September 3 Working groups have finished the redaction of their reports that have received the agreement of all EuroDefense Associations:
 - The Permanent Structured Cooperation,
 - Stability and security in the mediteranean area,
 - European command and planning capabilities.

2. ASSOCIATIONS ITS

ASSOCIATION

On the 6th December 2008, around 30 entities have approved the constitution of the Association ITS Portugal. The ITS designation, internationally recognised, means Intelligent Transport Systems and Services.

The constitution act of the Association ITS Portugal had the participation of high representatives of the European Commission and ERTICO, this being a structure of European dimension specifically constituted to promote ITS technologies.

MISSION

From the Association ITS Portugal it is expected that, now, it will assist the companies and other national entities involved in ITS activities placing them in the international and European frameworks for promoting and disseminating ITS realisations. These initiatives have clear economical consequences and contributions to the safety and comfort of all citizens – once we all use transport means that are the basis of mobility requested to all modern societies.



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TRANSPORT SYSTEMS AND SERVICES

ITS Portugal Association has been created with the objective to promote the Intelligent Transport Systems and Services.

The development of new Intelligent Transport Systems and Services is a systematic result of the companies to become more efficient and of meeting the huge challenges from today's society, namely the reduction of energy consumption and of CO2 emissions.

ACTIVITIES

During the first year of its life, ITS objectives will consist in:

- Increasing the number of associated companies and institutions, on one hand;
- Structuring the Association to answer to its Member needs, on the other hand.

TECHNICAL COMMITTEES

With this last aim, ITS Portugal Direction has already defined a group of Technical Committees that will concentrate their efforts on the following topics:

- e-Safety;
- Mobility:
 - For persons;
 - For goods;
- Traffic Control and Management (road, rail, air, maritime and river);
- Environment and Sustainability (Noise, CO2, etc.);
- Standardisation;
- Telematics vs LBS (Local Based Services).



2. ASSOCIATIONS PEMAS



contacts:

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2740-122 Oeiras – Portugal
www.pema.pt
pema@pema.pt
sergio.oliveira@pemas.pt
elsa.dias@pemas.pt

ASSOCIATION

The PEMAS association is a Network of Portuguese companies for the aerospace industry. Open network aims at integrating challenging cutting edge technology projects. PEMAS is a private non-profit organization formalized in February 2006. The specific objectives of the group are:

- To integrate national aerospace projects;
- To integrate international aerospace projects (Europe, United States and Brazil);
- To participate in the definition of public policies for the aerospace industry.

PEMAS member companies combined turnover exceed 200 M Euros and employ more than 2000 highly qualified specialists working on different areas of expertise in the academic, research and industrial fields.

The success of collaborative projects - born from the participation and commitment of PEMAS companies and others - shows that the joint cooperation in integrated projects, upstream in the value chain, has been an effective formula with higher value for the integration of Portuguese Aerospace industry in complex supply chains, such as aeronautics.



PROJECTS

The success of collaborative projects - born from the participation and commitment of PEMAS companies and others - shows that the joint cooperation in integrated projects, upstream in the value chain, has been an effective formula with higher value for the integration of Portuguese Aerospace industry in complex supply chains, such as aeronautics.



MEMBERS

ACOSiber

activespace technologies

alma

AMORIM

AMORIM

CASTALHO COMPONENTES S.A.

CRITICAL

scaps

air olesia

EDI

ESRI Portugal

gmv

GLOBAL MOLDE

IBERGAOLDES

inegi

ISQ

LAUAK

LISTRAL

piep

spin works

takeover

UAVISION

deimos

mds

THALES



CERTIFICATIONS

The member companies, they have ISO9001 quality certification, as well as other aerospace specific certifications.

2. ASSOCIATIONS PROESPAÇO

ASSOCIATION

Proespaço, the portuguese Association of Space Industries, is a non-profit organization with the main objective of promoting in Portugal activities related to space in all aspects.

PROESPAÇO accounts for more than 90 percent of the Portuguese space industry's capability, 13 companies form the association: Active Space, Amorim Cork Composites, Critical Software, Deimos Engenharia, Edisoft, Efacec, Evolve, Fibersensing, GMV, Indra Portugal, LusoSpace, Omnidea and Tekever. Aside from being the industry's representative organization, interlocutor and interface with the public administration - as well as national and international entities - on all matters pertaining to the industry, its key task is to devise a Portuguese space program. Part of its agenda also consists in the preparation of a joint pavilion at international fairs, trade shows or exhibitions.



contacts:

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Associação Portuguesa das Indústrias
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1990-084 – Parque – Lisboa – Portugal
Phone: +351 917 524 300
www.proespaço.pt
proespaco@mail.telepac.pt

OBJECTIVES

- To promote in Portugal activities related to space in all their aspects;
- To be a representative organization, acting as an intermediary and interface with the public administration and national and international organizations in all matters relating to the space industry;
- To work at all government levels (local, regional, national and supra-national) to achieve a substantial increase in the participation of Portuguese industry in space-related activities at a national, European and global level;
- To provide expert information on the space industry in Portugal and on all related research, development and support programmes;
- To provide a single voice to represent Portuguese industry in regard to the orientation of Portuguese space policies;
- To extend and strengthen cooperation between companies, universities and state research institutes in R&D activities aimed at developing new technologies and products for use in space;
- To contribute with studies, analyses and viewpoints to the institutes and organizations responsible for drawing up Portugal's space policy and related industrial development plans.

ASSOCIATED COMPANIES



3. CLUSTERS

AERONAUTICAL
KNOWLEDGE AND ECONOMY OF THE SEA
ENGINEERING AND TOOLING

3. CLUSTERS

AERONAUTICAL



aicep Portugal Global

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aicep@portugalglobal.pt

CLUSTER

The spectrum of about 40 companies showed in "Farnborough International Airshow 2010" the best of Portugal in terms of solutions, products and services for the aeronautical and aerospace industries. At present, the Portuguese aerospace industry includes OGMA and TAP (Portuguese flagship airline) as the major actors, a set of aerospace structures suppliers, such as Listral, Lauak, Dyn'Aero and a larger number of services, parts and subsystems suppliers. The majority of these companies already bears a significant record of participation in international supply chains.

MISSION

The national aeronautical cluster has a strategic role in spreading and integrating an industrial culture of excellence, based on research, technological development and innovation (R&D&I), with an increasing level of company qualification. These practices have direct and indirect impact, not only over the aerospace industry value chain, but also over other industrial sectors.

VISION

The recent creation of a national aeronautical cluster represents an opportunity for cooperation development between industrial groups and suppliers that are engaged in innovation and in developing products or specialized services.

MEMBERS

- 3 MARCOS;
- ACTIVE SPACE TECHNOLOGIES;
- ALMADESIGN;
- AMORIM CORK COMPOSITES;
- CAETANO COMPONENTS;
- COURO AZUL;
- CRITICAL SOFTWARE;
- CRITICAL MATERIALS;
- EDAETECH;
- EMPORDEF;
- ESRI PORTUGAL;
- EVOLVE;
- GMVIS SKYSOFT;
- GRUPO MOLDOESTE;
- HOLOS;
- IDMEC;
- INCOMPOL;
- INEGI;
- ISQ;
- KRISTALTEK;
- LISMOLDE GROUP;
- LN MOLDES;
- MOLDES RP;
- OGMA;
- OLESA;
- OPTIMAL;
- PAIC;
- PEMAS;
- PROESPAÇO;
- RIBERMOLD;
- SETSA;
- SPINWORKS;
- TAP MAINTENANCE & ENGINEERING;
- TEKEVER;
- UAVISION;
- UEPRO;
- UNIVERSIDADE DA BEIRA INTERIOR.

Portuguese companies were already excelling in the fields of aircraft maintenance, aeronautical and aerospace engineering, manufacturing and software development.

With Embraer's decision to create two plants in Portugal, the sector gained momentum and for the first time Portugal presented a national stand at one of the largest and most prestigious international aeronautical exhibitions, the "Farnborough International Airshow 2010".

The 35 companies presented there was a showcase of the best Portugal has to offer in terms of solutions, products and services for the aeronautical and aerospace industries.



3. CLUSTERS

Knowledge and Economy of the Sea

CLUSTER

The general objective that guides the Cluster of the Sea's development and that is used to frame the current strategy and action programme is as follows:

To value the SEA as a resource by developing a set of activities, products and services that foster economic growth, employment and the region's internationalization, while investing in the enhancement of R&D, training, entrepreneurship and cooperation so as to contribute, in a sustainable way, to the region's competitiveness.

VISION

Valuing the sea as a resource by developing a set of activities, products and services that promote the modernization of traditional marine activities, the rise of new economic activities and internationalization, investing in the enhancement of r&d&i, training, entrepreneurship, cooperation and governance, so as to sustainably contribute to the country's competitiveness.

OCEANO XXI

Oceano XXI - Association for the Knowledge and Economy of the Sea is a private non-profit corporate body whose main goal is to boost the Marine Economy and Knowledge Cluster by promoting cooperation among scientific institutions, enterprises and associations related to the many branches and activities whose functional area of end demand is the sea.



contacts:

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Fax: +351 220 120 760

www.oceano21.org

geral@oceano21.org

SHIPYARDS/ CONSTRUCTION

- ESTALEIROS NAVAIS DE VIANA;
- LISNAVE;
- ARSENAL DO ALFEITE;
- ESTALEIROS NAVAIS DE PENICHE;
- NAVALROCHA;
- NAUTIBER;
- NAVALRIA;
- MENAVAL;
- ESTALEIROS NAVAIS DO MONDEGO;
- UNIÃO CONSTRUTORA NAVAL;
- SAMUEL & FILHOS;
- CECÍLIO & CARLOS SANFINS;
- ESTALEIROS NAVAIS IRMÃOS VIANA;
- JAIME FERREIRA DA COSTA & IRMÃO;
- CONAFI;
- SOPROMAR;
- PORTINAVE;
- NAVALTAGUS;
- NAVYARD;

R&D

- I.S.T.- CENTEC;
- ISQ;
- TECNOVERITAS;
- QTEL;

- FORDESI;
- PARQUE TECNOLÓGICO DA MUTELA;

NAVAL PROJECT

- VERA NAVIS;
- ONE OCEAN;
- EUROSHIDE;

MARITIME OPERATIONS

- FRETI;
- GESTÃO E PROJECTO DE INFRA-ESTRUTURAS;
- LISNAVE INTERNACIONAL;
- LISNAVE;

CLASSIFICATION SOCIETIES

- RINA;
- RINAVE;

SUPPLIERS

- ANODEX;
- ELECTRO CENTRAL VULCANIZADORA;
- ENGRENAGENS OLIMAR;
- GASLIMPO;
- PREVINAVE;
- UNISAFE PORTUGAL;
- TECOR;

SPECIALISED COMPANY

- CARGO.



3. CLUSTERS

POOL NET

CLUSTER

Engineering and Tooling Industry - Pool-net represents an industrial value chain with specialized skills & competences, from Design & Engineering to Tooling and Plastic Products. This industrial and scientific Cluster is responsible for setting up a national strategy for the development and sustainability of this important economic sector.

MISSION

- Develop and produce moulds in order to achieve products and manufacturing processes optimization of its customers, assuring total quality and reducing the total costs throughout the life cycle of the product.
- To integrate the mould in a widened chain of high tech engineering services, that means to innovate at the level of end product in which the mould is just a part of the manufacturing process.
- To develop and to produce special tools and high precision machined parts with high added value for the customer, supported by innovation of product and manufacturing processes.

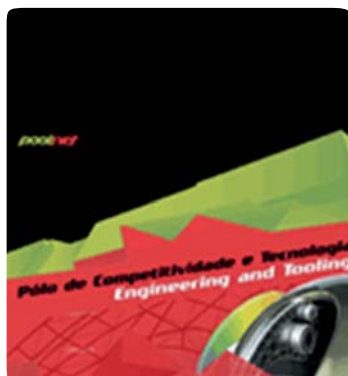
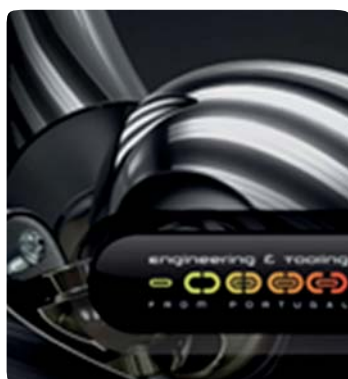
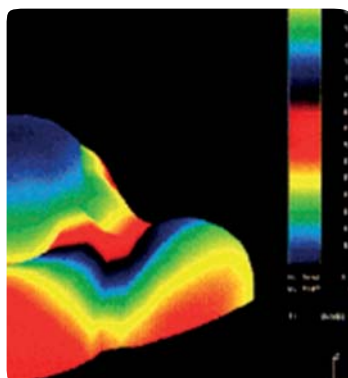
VISION

To allow Engineering and Tooling Industry in the upcoming 10 years to be recognized worldwide as one of the most advanced area under the technological point of view and of added value in the design and mouldmaking, special tools and high precision metal parts.



contacts:

Pool-Net - Portuguese Tooling Network
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 Fax: + 351 244 570 019
www.toolingportugal.com
info@toolingportugal.com



ASSOCIATE FOUNDERS

- ANEMM;
- A. SILVA GODINHO & C. Lda;
- BIGMOULD;
- CEFAMOL;
- CENFIM;
- CENI;
- CENTIMFE;
- DRT Rapid;
- DRT;
- RAMADA;
- FAMOLDE;
- FUTI;
- GECO;
- IMOPLASTIC;
- INTERMOLDE;
- IPL;
- ISEL;
- IST;
- LN MOLDES;
- MOLDIT;
- MOLDOESTE;
- MOLDOPLÁSTICO;
- MPTOOL;
- OLESA;
- PLANIMOLDE;
- RIBERMOLD;
- SET;
- SFM;
- SIMOLDES AÇOS;
- SOCEM ED;
- SOMEMA;
- TECMOLDE;
- TECNIMOPLÁS;
- TECNISATA;

3. CLUSTERS POOL NET

The Portuguese Engineering and Tooling Cluster formally recognized by the Portuguese Government on 13th October 2009, includes its principal stakeholders (i.e., private companies, universities, training and technological centers), is represented by the POOL-NET – Portuguese Tooling Networking the private association, that represents an industrial value chain with specialized skills & competences, from Design & Engineering to Tooling and Plastic Products.



contacts:

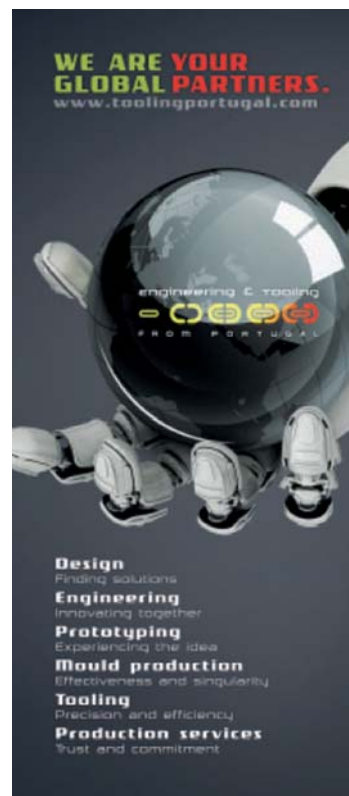
Pool-Net - Portuguese Tooling Network
Edifício OPEN, Zona Industrial
Rua da Bélgica, Lote 18 , Apartado 78
2341-901 Marinha Grande – Portugal
Phone: + 351 244 570 420
Fax. + 351 244 570 019
www.toolingportugal.com
info@toolingportugal.com
direccao-geral@toolingportugal.com

- TJ MOLDES;
- TOPO;
- UNIVERSIDADE DE AVEIRO;
- UNIVERSIDADE DO MINHO;
- VIDRIMOLDE;
- VIPEX.

ASSOCIATE ADHERING

Entities that currently belong to the Portuguese Engineering & Tooling Cluster as new Associate Members are:

- 3DTECH;
- AIDA;
- ANÍBAL H. ABRANTES;
- Câmara Municipal de Oliveira de Azeméis;
- CATIM;
- CTIC;
- DISTRIM 2;
- DT2 NEW CONCEPT;
- EDAETECH;
- EMBALNOR;
- FOZMOLDES;
- GEOCAM;
- IBER-OLEFF;
- IPN;
- INEGI;
- JDD;
- LISMOLDE 2;
- MANUEL DA CONCEIÇÃO GRAÇA;
- MOLDEGAMA;
- MOLDES RP;
- Moldoeste II;
- PIEP;
- P.M.M.;
- Portutecmo;
- TECNIFREZA;
- TJ AÇOS;
- UEPRO;
- UNIVERSIDADE DE COIMBRA.



4. INDUSTRIES AND SERVICES

4.1 HOLDINGS

EMPORDEF SGPS – Portuguese Defence Industries Holding Company

4.1 HOLDINGS

EMPORDEF SGPS

HOLDING

EMPORDEF SGPS SA is the Portuguese defence industries holding company responsible for managing State holdings in firms directly or indirectly involved in defence activities.

The EMPORDEF Group represents a worldwide Portuguese presence - the business has clients and partners in Europe, Asia, North and South America and Africa.

MISSION

EMPORDEF envisages the continuous investment in industrial and technological modernisation to be reflected in the capability for military modernisation, maintenance and re-equipment.

VISION

The interaction between EMPORDEF and the holding companies will be sustained by re-directioning attitudes towards the reinforcement of general efficiency and market relations, which will entail increased competitiveness and international positioning.



contacts:

EMPORDEF SGPS, S. A.
Rua Braamcamp, nº 90 - 8º
1250-052 Lisboa - Portugal
Phone: +351 213 805 109
Fax: +351 213 805 100
www.empordef.pt
empordef@empordef.pt



The Empordef Group has a rich products and services portfolio, comprising:

- Tactical Communications;
- Naval Communications Systems;
- Security Communications Systems;
- Command and Control Systems;
- Space Systems;
- Combat Management Systems;
- Integrated Business Systems;
- Satellite Stations Operations and Management;
- Communications Network Management;
- Systems Engineering;
- Vessel Traffic Services;
- Training and Simulation;
- Computer Based Training;
- Testing Software;
- Aircraft Maintenance and Modernisation;
- Engines Monitoring and Repairing;
- Aircraft Components Repair (Mechanical, Avionics and Electrical);
- Manufacturing and Assembly of Aircraft Structural Components;
- Ammunition and Explosives Demilitarization;
- Explosives Characterization;
- Destruction of Assets from Waste Collection Companies (Airbags and Pyrotechnics);
- Manufacturing of Defence Material;
- Projects and Ship Building;
- Ship Conversion and Repair;
- Real Estate Administration and Management;
- Operational Location and Financing.

4.1 HOLDINGS

EMPORDEF SGPS

STRATEGY

The EMPORDEF's vision and consequent strategic framework is, mainly conditioned by the diversity and specificity of the four main business activities (AERONAUTICAL, NAVAL, TECHNOLOGICAL and OPERATIONAL LOCATION OF DEFENCE ASSETS) associating all the participated firms of the Group. It is an active partner of the Defence Ministry for what concerns of new defence capabilities' programs and military upgrade programs. EMPORDEF is the sole shareholder of the following firms: ARSENAL DO ALFEITE, ENVC – Estaleiros Navais de Viana do Castelo, ETI – EMPORDEF Tecnologias de Informação, IDD – Indústria de Desmilitarização e Defesa, DEFAERLOC – Locação de Aeronaves Militares and OGMA Imobiliária.

At present, the Group is strongly committed to participate in the consolidation of a national aeronautical "cluster", for which the program of development and construction of the KC-390 airplane by Embraer constitutes an excellent opportunity.



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empordef@empordef.pt

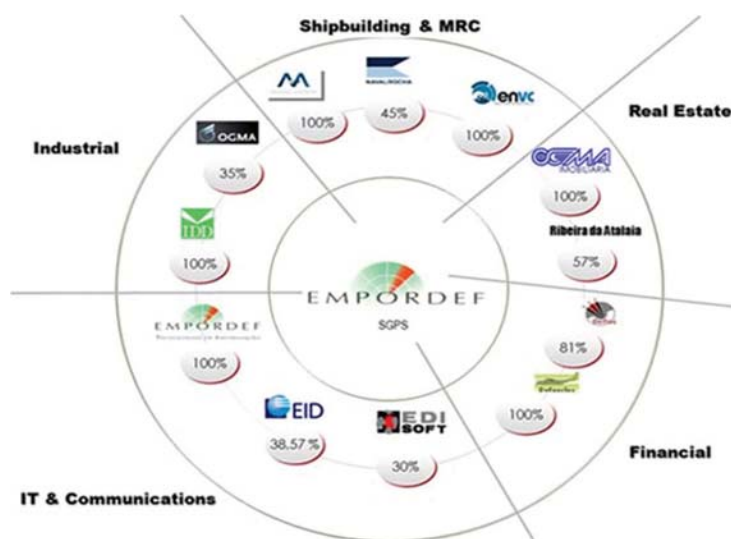
STRATEGIC GUIDANCE

The interaction between Empordef and the holding companies will be sustained by re-directioning attitudes and cultural impediments in each organization, towards the reinforcement of general efficiency and market relations, which will entail increased competitiveness and international positioning.

With the perspective of building a profitable collection of Defence activities having significant impact at international level, the focus will be on advanced technologies developed by existing companies.

All actions will tend to eliminate redundancies, promote spin-offs, capitalize complementarities and strategically cover functional gaps.

Empordef will thus be strengthen as 'focal point for strategic decisions to the Portuguese Defence industries'.



4.2 AEROSPACE

ACOSIBER – Pintura Aeronáutica Unipessoal Lda.

ACTIVE SPACE TECHNOLOGIES

AEROHÉLICE – Sociedade de Manutenção e Revisão Geral de Hélices, Lda.

AVP – Aerovoo Portugal

CRITICAL SOFTWARE, S.A. – Tecnologia e Engenharia de Software

DEIMOS ENGENHARIA S.A. – Tecnologias Aeroespacial

DYN'AERO Ibérica - Tecnologia-Aeroespacial

EDISOFT – Empresa de Serviços e Desenvolvimento de Software, S.A.

GMV-SKYSOFT – Software e Tecnologias de Informação, S.A.

LAUAK – Indústria Aeronáutica

LUSOSPACE – Tecnologia Aeroespacial

OGMA – Indústria Aeronáutica de Portugal, S.A.

SPIN.WORKS – Tecnologias Espaciais

TAP Maintenance & Engineering

UAVision – Aerospace

Other firm of interest from which the Portuguese Armaments and Infrastructure Directorate wasn't able to build a page

EEA – Empresa de Engenharia Aeronáutica

4.2 AEROSPACE ACOSIBER

COMPANY

ACOSiber is an ALCEN group company whose main activities are the finishing for the fields of Aeronautics, Space and Defence. The company belongs to the group PIB which, through a set of about 25 branches it conceives, develops, produces and it assures the maintenance of mechanical and electronic complex high performance components. These can be used by defence, aeronautical, spatial, railway, nuclear and naval constructors amongst others. With this mission more than 1600 people manage a business over €180M (60% Defence).

MISSION

ACOSiber does cleaning/treatment removing, industrial and aeronautical painting and perform several other services to complement its activity.

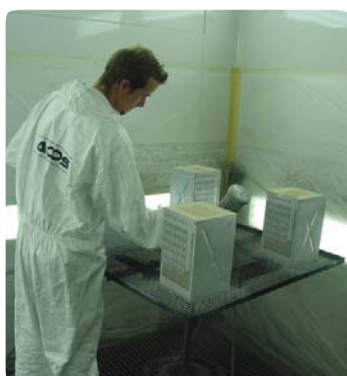
VISION

Has the target to be a service of excellency in the area of subcontracts for the Defence Industry through a strong partnership and high quality service offer.



contacts:

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Fax. +351 258 750 009
www.acos-alcen.com
pcastro@acosiber-alcen.com



PRODUCTS/SERVICES

ACOSiber is prepared to supply the following services:

- Treatment removing;
- Proper cleaning;
- Surface treatment;
- Conventional or airless painting:
 - . Liquid;
 - . Polyurethane;
 - . Epoxy;
 - . Reinforced protection;
 - . Gloss painting;
 - . Camouflage;
 - . Screen-printing and engraving;
 - . Assembly of accessories.

MARKETS

ACOSiber has Portugal, Spain and France as markets in the following areas:

- Defence;
- Aeronautical;
- Spatial;
- Naval;
- Medical;
- High Industry.

CERTIFICATIONS

- EN9100;
- ISO9001, Dassault Aviation, Group Thales, Sagem, Habilité Confidentielle Défense;
- This firm is taking part of the AICEP database;
- Certificat ISO9100-V2000 ;
- Certificat NADCAP.

4.2 AEROSPACE

ACTIVE Space Technologies

COMPANY

Active Space Technologies offers high-value services in mechanical engineering and electrical engineering.

With combined solutions of consolidated and state of the art technologies for aerospace, automotive, defence, and energy applications. including the supply of integrated engineering expertise, and flexible and short lead times to exceed the demands of the customer.

CULTURE

The company operates over a broad range of the supply chain providing systems engineering approach based on value creation through a dynamic innovation pipeline from our collaborators.

We have been working for the European Space Agency, Galileo Avionica, OHB, ITER/EFDA and JET/UKAEA, Kayser Threde, and Zeiss Optics, among other clients, promoting a professional relationship with the customer by working in close cooperation.



contacts:

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www.activespacetech.com
ricardo.patricio@activespacetech.com

MECHANICS

- AIT;
- CAD (Catia, SolidWorks);
- Thermal (Patran/Nastran);
- Structural (Patran/Nastran, Ansys);
- Precision Manufacturing (Ti, Al, Steel).

ELECTRONICS

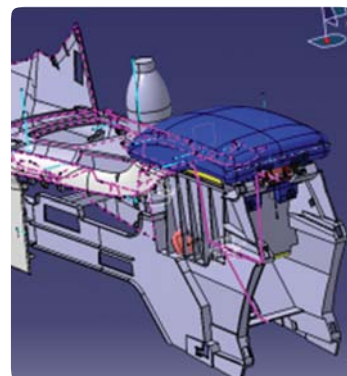
- Digital Control;
- Embedded Systems;
- Electro-mechanics.

PORTFOLIO

- Galileo-IOV (ESA);
- ADM-Aeolus (ESA);
- BepiColombo (ESA, JAXA, Zeiss);
- JET (UKAEA);
- ITER (F4E, EFDA);
- Mars Gravity (MIT).

CERTIFICATIONS

- Active Space Technologies is with ISO 9001 and AS9100 and is currently applying as DOA/POA under EASA rules;
- This firm is taking part of the AICEP and NAMS databases.



4.2 AEROSPACE AEROHÉLICE

COMPANY

Aerohélice was established in February of 1981. Its activity was initiated in a small workshop of propellers repairing, situated in Alhandra - Portugal.

The Aerohélice plant today is situated in Azedia, in a space of 1000m² of covered area, with possibility of expanding, if the requests of the market thus allowing. The knowledge, the experience and the severity placed in all the accomplished works, it widened the fan of customers, who request services to the company from many countries of the world.



contacts:

AEROHÉLICE Lda
 Azedia
 2580-552 Alenquer - Portugal
 Phone: +351 263 776 040
 Fax: +351 263 776 049
 www.aerohelice.com
 geral@erohelice.com

MISSION

Aerohélice intends to be the first choice of ours customers and strategically focus in the profitability, productivity and competitiveness.

VISION

Aerohélice is a company guided to satisfy the needs of the customers, with the purpose of continually improve the quality of work.

VALUES

- Requirements/Quality;
- Professionalism;
- Valorization of the collaborators;
- Respect and severity with the commitments.

CAPABILITIES

Aerohelice's capabilities assumes a relevant potential, since in its regular activities are products from the world's leading manufacturers:

- Our approval rating Cat. C16;
- Repairing and overhaul of Propellers Governors;
- Service like Shot-Penning for aircraft parts;
- Accumulators and Synchrophasers' s;
- Overhaul and repair maintenance of wheels and Brakes Cat. C14;
- Approved in the scope rating D1, inspect aircraft components to detect discontinuities (Methods of Non Destructive Testing) for:
 - . Liquid Penetrant Inspection (PT);
 - . Magnetic Particle Inspection(MT);
 - . Eddy Currents (ET);
 - . Ultrasonics Inspection (UT) and Radiography Inspection (RT), Cat.D1

CERTIFICATIONS

AEROHÉLICE is a maintenance company for aeronautical components maintenance, approved in accordance with EASA Part 145, for the INAC- National Civil Aviation Institute and approved in accordance with ISO 9001-2000. and also for Portuguese Air Force in accordance AQAP2120.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.2 AEROSPACE

AVP

COMPANY

AVP- Aero Voo de Portugal, LDA was created in 1996, starting out as a supplier of bits and pieces, such as diodes, resistors, transistores, microcircuits, and many more hard to find and obsolete items.

Today AVP have a stock of over 3000 of line items on the shelve.

Have an exchange program, per customer requirements and if that unit is not yet on AVP's shelf AVP will stock a unit for your future requirements.

In 2005, AVP started doing repair services on several different types of avionics, both, navigational and instrumentation.

AVP started its services repairing equipment for the Thai Alpha Jet, via sub contract. Presently, AVP is authorised repair facility for the Portuguese MOD.

AVP is one of the few repair facilities repairing Alpha Jet and Socata TB 30 Epsilon Avionics, both instrumentation and Navigational.

Through time AVP has also been upgrading our capabilities and now AVP repairs avionics from the Lockheed C-130, P-3, F-16, Dassault Falcon 50, Aérospatiale SA-330 Puma, Boeing Chinook Helicopter, Westland Lynx mk95 Helicopter, CASA Aviocar 212-100, Eurocopter Aloutte 3, Socata TB-30 Epsilon e de Havilland DHC-1 Chipmunk Mk2.

Knowledge, experience, capability of answer and quality, are key factors for AVP demands.



contacts:

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Fax: 351 219 411 210
avp@avp.com.pt

CAPABILITIES

Repair avionics from the Lockheed C-130, P-3, F-16, Dassault Falcon 50, Aérospatiale SA-330 Puma, Boeing Chinook Helicopter, Westland Lynx mk95 Helicopter, CASA Aviocar 212-100, Eurocopter Aloutte 3, Socata TB-30 Epsilon e de Havilland DHC-1 Chipmunk Mk2.

REPAIR

- VHF, UHF, HF communication;
- VOR/ ILS/ MKR/ DME/ ADF navigation equipment;
- GPS systems;
- ATC transpondres;
- EFIS;
- Radar;
- CVR/ FDR;
- Audio/ Intecom/ PA systems;
- Entertainment Systems;
- Static Inverters/ Converters;
- Amplifiers;
- Miscellaneous Electrical components;
- Airspeed indicators;
- Altimeters;
- Artificial Horizons;
- Directional Indicators;
- Encoding Altimeters;
- Position Indicators;
- Pressure Indicators and Transducers;
- RPM Indicators;
- Temperature Indicators;
- Turn and Slip Indicators;
- Horizontal Speed Indicators.

CERTIFICATIONS

Certified by RUAG Avition; QINETIQ Ltd; EAPSS-SOCATA; AMETEK.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry.



4.2 AEROSPACE CRITICAL Software

COMPANY

Across a range of markets, from Space and Aeronautics to Defence & Security, customers trust Critical Software to bring quality and innovation to information systems in a timely and cost effective manner, while developing solutions that simply must not fail. Critical Software has a proven experience in delivering highly dependable mission oriented critical solutions to high profile customers, including NASA, the European Space Agency, AgustaWestland, EADS, UK MoD, BAE Systems and Thales Alenia Space, among many others.

Established in 1998, Critical Software is headquartered in Portugal and has offices in San Jose (USA), Southampton (UK), Bucharest (Romania), Sao Paulo (Brazil) and Maputo (Mozambique).

Quality has been strategic at Critical Software since the very beginning and is today one of the company's strong competitive advantage. The company proven track record in delivering high integrity software solutions can be attributed to the application of best practice project management techniques, backed by the coordination and control provided by an internal Quality Management System (QMS) certified in accordance with rigorous international standards.

MISSION

To provide dependable and innovative technologies and engineering solutions for mission and business critical information systems across several industries.



contacts:

CRITICAL SOFTWARE S.A.
Parque Industrial de Taveiro, Lote 48
3045-504 Coimbra - Portugal
Phone: +351 239 989 100
Fax: +351 239 989 119
www.criticalsoftware.com
info@criticalsoftware.com



DEVELOPMENT, INTEGRATION AND MAINTENANCE

Critical Software provides advanced solutions to Aerospace and Defence markets built with the most modern technologies covering the whole life cycle from planning and analysis to the design, development, integration and maintenance.

INTELLIGENT LOGISTICS

Critical Software's integrated logistics and operations support solution is designed to bring efficiency and effectiveness to future Defence and Security forces on their new challenges. Our logistics and operations support solution assists Defence and Security forces towards cost reduction and serviceability improvement objectives by enabling the adoption of new strategies such as Contracting for Availability (CfA) type contracts, Performance Based Logistics (PBL), Condition Based Maintenance or end-to-end supply chain integration.

MARITIME SOLUTIONS

Critical Software provides solutions for supporting the business processes in maritime domain operations such as Search & Rescue, Fishery Monitoring and Environmental monitoring. Our maritime operations product-line is designed by operatives for operatives, and takes advantage of its Service Oriented Architecture, to simultaneously, deliver full integrated mission specific applications and it also allows direct integration of standalone services into existing legacy systems.

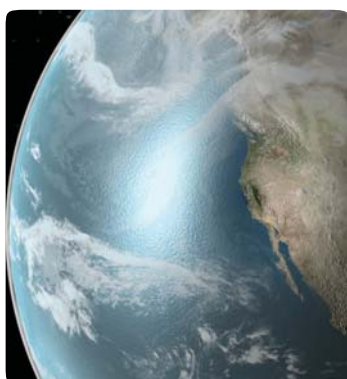
csSECURE

Critical Software markets a solution for Data Loss Protection, named csSECURE. It protects and controls confidential data wherever it is stored, transferred through or used. csSECURE tackles challenges like preventing theft of intellectual property, customer details or financial information by former-employees, external consultants or business partners.

CERTIFICATIONS

The company operates a quality management system certified to CMMI® Level5, ISO 9001:2008 Tick-IT, ISO 15504, NATO AQAP 150, AQAP 2120 and EN9100:2003, QMS; AQAP; PMBoK ; EN 9100 & EN 9006 ; Six Sigma ; NP 4457 ; CRQNOS.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.2 AEROSPACE DEIMOS

COMPANY

DEIMOS Engenharia is a private Portuguese Aerospace Engineering company, delivering advanced design solutions and turn-key space software systems since 2002. Building on a solid team of highly motivated and specialized engineers, DEIMOS Engenharia is now a reference player in the European space sector.

The company is part of the Deimos Group, a set of international companies operating in the areas of space, aeronautics, defence and communications (Deimos Space), navigation & positioning consultancy (DAT - Deimos Aplicaciones Tecnológicas) and earth observation (Deimos Imaging).

DEIMOS Engenharia's business is focussed in space systems, design and operational software systems, development and validation, in the areas of Mission Analysis, Guidance, Navigation and Control, Global Navigation Satellite Systems Technologies and Ground Segment Systems.



contacts:

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www.deimos.pt
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ACTIVITIES

- Mission Analysis;
- Simulation and Control;
- Satellite Navigation Technologies;
- Ground Segment Systems Engineering;
- Mission Planning;
- Mission Operation & Control Systems;
- Payload Data Processing;
- Earth Observation Products and Services;
- Technology Transfer.

DEIMOS has a solid expertise in satellite navigation technologies, having a registered patent in hybrid navigation sensors for harsh environments and high dynamic systems. The Group is also responsible for the introduction of Assisted-GPS in the European commercial market, a technology that increases GPS availability in interiors and in reduced visibility areas.

SERVICES

DEIMOS group will be launching several satellite, with the objective of developing Earth Observation applications and services. It will allow image acquisition of the complete Portuguese Territory twice a week and global coverage of Europe every 10 days, with a resolution of 22 metres. With satellites providing images of 4 and 32 meters resolution, permitting innovative applications in Security and Defence.

R&D

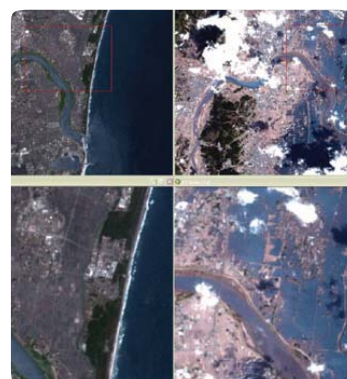
In the area of GNC – Guidance, Navigation and Control - DEIMOS has been developing R&D activities in autonomous navigation, including rendezvous and hazard avoidance functions using innovative techniques and approaches, for application in interplanetary missions and other unmanned vehicle.

The cornerstone of the success of DEIMOS solutions lies on a multidisciplinary team of top-level engineers, supported by a consolidated network of leading European university research groups, R&D labs and outstanding companies. The portfolio of customers and partners includes the European Space Agency, Eumetsat, Thales Alenia Space, EADS Astrium and Indra.

CERTIFICATIONS

ISO 9001:2008 - AQAP 2110

This firm is taking part of the AICEP database.



4.2 AEROSPACE DYN'AERO



contacts:

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 Tecnologia Aeroespacial Ibérica S.A.
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 7400-909 Ponte de Sor – Portugal
 Phone: +351 242 201 307
 Fax: +351 242 201 308
 www.dynaero.com
 geral@dynaero.pt

COMPANY

In 2001, Dyn'Aero started in Portugal the manufacturing of top secret Hangglider components, which was developed by Dyn'Aero France and La Mouette.

The goals for this new company was to make components along with the MCR01 and MCR 4S airplanes initial assembly.

Being the only complete aircraft manufacturer located in Portugal (at Ponte de Sor), Dyn'Aero Ibérica's facility of 3 000 m² started with the support of French technicians sent by Dyn'Aero France. They trained the first Portuguese team.

MISSION

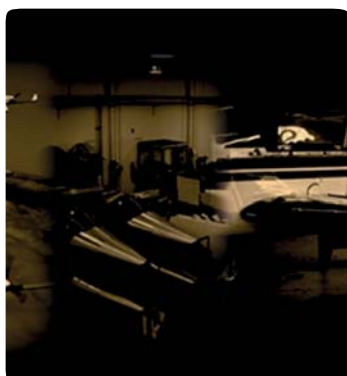
Today the know-how allows the firm to achieve full assembly of the airplanes.

Dyn'Aero development and production processes target on the weight saving and control.

VISION

The Lean Manufacturing principles allow Dyn'Aero to be a world class manufacturer for ultra-light aircraft.

Dyn'Aero Iberica intends to promote it's high technical knowledge to develop new products and market especially in U.A.V.



ACTIVITIES

Light aircraft and U.A.V manufacturer, Dyn'Aero produces carbon ultra light composites. The firm is also able to mount aero structure of the high-performer aircrafts (MCR01, MCR 4S, R180, Twin R) of general aviation.

PRODUCTS AND SERVICES

Manufacturing and assembly of complete aircrafts :

MCR VLA; MCR CLUB; MCR ULC; MCR 4S; MCR R 180 and Twin R

R&D

AEROCORK is a collaborative project undertaken by for ambitious and cutting-edge companies who believe that a much better solution for composite structures in aeronautics is yet to be developed. The AEROCORK project aims at developing, testing, manufacturing and certifying a new Dyn'aéro MCR UL aircraft with innovative cork composites incorporated. CORE CORK by Amorim Cork Composites will be used as the candidate cork agglomerate for the envisaged applications.

Composites parts production are delivered at the best quality, delay and price to our customers. Dyn'Aero is able to supply the following processes :

- Composites stratification;
- Composites aero structure assembly;
- U.A.V assembly;
- Painting;
- Mechanical assembly;
- Avionic assembly.

The know-how and the reactivity of our team allow us to provide full fast composite prototype development and production services.

MARKETS

Currently mostly civil, Dyn'Aero plans to develop the military market within the next years.

CERTIFICATIONS

This firm is taking part of the AICEP database.

4.2 AEROSPACE EDISOFT

COMPANY

EDISOFT is the national leader in the domains of weapons and sensors' command and control systems, information integration systems, logistic systems, collective security systems and space systems. It established privileged relationships with an increasingly larger set of international companies and organizations.

MISSION

"To develop solutions in system and software engineering as well as provide information technology consultancy, in a "market with no borders"".

VISION

EDISOFT's strategic goals reflect a culture abiding to strict quality patterns and a permanent commitment with innovation undertaking research and development enterprises that, commercially oriented, ensure EDISOFT the reinforcement of its leadership and its future before today's new and emerging business, technical and technological challenges.



contacts:

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edisoft@edisoft.pt

SERVICES

In C4I systems, EDISOFT introduces LIGGIA, a COTS solution already operational in the Portuguese Navy ships that replaces the use of costly proprietary technology by a highly competitive national product, and COLOSUS, the company's implementation of NATO's interoperability standard that ensures data exchange amongst the different command and control platforms from the various countries and Armed Forces.

In aeronautics, EDISOFT partners with the SAFRAN Group in the development and integration of certified software of air platform engines.

In information systems' integration for naval platforms, EDISOFT created an Integrated Information System that gathers all on-board information in a single network and an innovative Platform Operation and Maintenance Integrated System that led to a worldwide partnership with Rolls-Royce. EDISOFT's intervention in the development of automated naval systems positions the Company as a solution based on modern CBM+ strategies.

In Space Systems, EDISOFT's offer for the remote sensing in real-time monitoring of the maritime interface Europe-Africa and Europe-America, decisively contributing to Oceans' Monitoring. The maritime surveillance and security projects MARISS, MARCOAST, CleanSeaNet and OPERAMAR as well as the study on satellite-based AIS for ESA.

The implementation of the European Forest Information Common Platform (EFICP) and of the GS Soil Portal dedicated to the European geo-data soil services and also in the participation in the EuroGEOSS project aiming the future Global Environment Observation System of Systems.

SECTORS OF ACTIVITY

- Aerospace – Space Technologies;
- Electronics – C4I Systems;
- Information Technologies – Intelligence systems, Computation and Software;
- Information Technologies – Geographic Systems.

CERTIFICATIONS

CMMI 2; ISO 9001:2008; COTEC Innovative SMEs Network; NATO Secret; EU Secret; NATIONAL Secret;

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.2 AEROSPACE

GMV SKYSOFT

COMPANY

GMV-SKYSOFT (GMV) goal is to support its client's processes by dint of technologically advanced solutions, providing integrated systems, specialized products and services covering the whole life cycle.

SKYSOFT was established as a private Portuguese company in 1998 focusing on advanced technological solutions for the aeronautics and ICT markets and then shortly initiating its first space related activities, even before the accession of Portugal to the European Space Agency.

Integrated within GMV Innovating Solutions in 2005, today the technological business group employs more than 1,000 staff, with outstanding experience and capabilities and an international presence.



contacts:

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 Phone: +351 21 382 93 66
 Fax: +351 21 386 64 93
 www.gmv.com.pt
 marketing.portugal@gmv.com

The company's activities in Portugal have grown since its origin, to the point where GMV is the Portuguese entity with highest business volume with ESA and has secured key contracts in numerous clients in several sectors including European institutions as EUMETSAT, EMSA (European Maritime Safety Agency), EDA (European Defense Agency), Eurocontrol and the European Commission. GMV in Portugal has a staff count of near 100 persons with a solid technological background. GMV is the most relevant Portuguese contractor for the European Defense Agency.

ACTIVITIES

The company has proven its capabilities in Software Defined Radios, net centric Anti-Sniper systems (MUSAS) and Maritime Surveillance (MARSUR). The Portuguese Ministry of Defense is a key client for GMV. Technical solutions and services have been supplied for the integration of ELINT system of the new HDW Submarines, and for the Maritime Surveillance C-295.

Tactical Systems life cycle maintenance GMV-SKYSOFT is structured in two main business areas: aerospace, security and defence.

The Aerospace, Security and Defence (ASD) business area provides the market with unique, innovative and interoperable engineering solutions for high reliable and certifiable systems and products. GMV provides consulting and engineering, software development, operational support and turnkey system development services and products that meet the needs of our customers in areas such as:

- Space software and infrastructure covering ground systems, onboard software, GNSS technologies, satcom, AIT tools and methods, mission analysis, system engineering and GNC;
- Space Applications (including military): Earth Observation, Telecom, GPS, EGNOS and Galileo;
- Aeronautics solutions addressing integrated modular avionics, CNS/ATMS systems, data link;
- Security solutions for maritime security, border surveillance, homeland security;
- Defence mission systems, data links, C3I Systems, Simulation, UAV technologies;
- ELINT warfare systems;
- On-board equipment, Avionics and Test Benches.

TRANSPORTS AND BUSINESS SOLUTIONS

The TBS business area is divided into two major sectors:

- Information & Communication Systems ("Business Solutions");
- "Transports & Mobility".

CERTIFICATIONS

CMMI Level 5. ; ISO 9001:2008 ; UNE-EN 9100:2003 ; PECAL/AQAP 2110 y PECAL/AQAP 2210 ; ISO 13485:2003. This enterprise is authorised by the MOD to develop activities related to defence armaments industry.



4.2 AEROSPACE

Lauak

COMPANY

Lauak Portuguesa production and assembly of aeronautical components, including program management, industrialization, production, qualification and logistics. After eight years of existence, Lauak Portuguesa has earned several competences that are widely recognized from various important customers as Airbus, Dassault Aviation, Embraer, Latécoère, OGMA, Daher Socata, Aernnova, Sikorsky, among others. Lauak Portuguesa has recently acquired and integrated in the same site one company (Pousada Cy) dedicated to machining work.

VISION

Consolidate our tier 1 partnership with our key customers through:

- Develop partnerships with new customers on the international market;
- Reduce our cost thanks to huge investments;
- Optimize our industrial means on our core business;
- Improve our productivity through lean manufacturing process.



contacts:

Lauak Portuguesa – Indústria Aeronáutica Lda.
Bluebiz Global Parques – Parque Empresarial da Península de Setúbal
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2910-845 Setúbal – Portugal
Phone: +351 265 739 470
Fax: +351 265 739 488
www.groupe-lauak.com
geral@lauakportuguesa.com

MAIN ACTIVITIES

- Aircraft maintenance;
- Manufacturing and assembling of aircraft components and structures;
- Engineering and logistics support.

PRODUCTS AND SERVICES

Primary Parts

- Engineering;
- Manufacturing;
- Surface treatment.

Fuel Tanks

- Riveted assembly;
- Welded assembly;
- PR application;
- Proof test bench.

Aerostructures

- Aerostructures assembly;
- Aeronautical components manufacturing from metallic materials;
- Looms manufacturing and industrialization;
- Design and manufacturing of tools and jigs.

Aircraft Maintenance

- TB 30;
- TB 20;
- TB 200.

CERTIFICATIONS

- EN 9100
- ISO 9001:2008

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP database.



4.2 AEROSPACE LUSOSPACE

COMPANY

Founded in 2002, to assure permanent presence of our equipment in orbit, it is recognized European Space Agency (ESA) technology manufacturer of advanced and innovative space technology.

Particular actuation of LusoSpace is based on study the market needs, products including a review of competitors for the marketing and commercialisation of a space products AOCS (Attitude and Orbit Control System) for client to satisfaction.

MISSION

LusoSpace is a private company with the purpose to provide a bridge between research and space applications. We build and commercialize innovative space products.

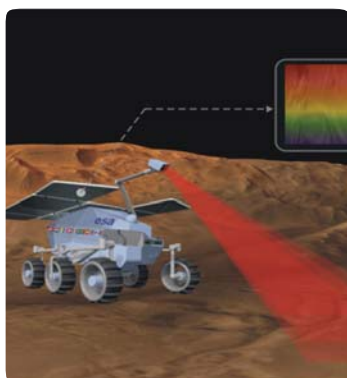
VISION

Became the biggest Portuguese company developing and producing space hardware.



contacts:

LusoSpace – Tecnologia Aeroespacial
Rua de S. Caetano, nº16
1200-829 Lisboa – Portugal
Phone: 351 21 397 43 63
Fax: 351 21 397 15 39
www.lusospace.com
ivieira@lusospace.com



PRODUCTS

All the production is done in house and follows ESA standards. This methodology has contributed to flight equipment assurance expertise.

FIELDS OF EXPERTISE

- NAVIGATION SYSTEMS (SENSORS + GPS / GALILEO);
- OPTOELECTRONICS (VISION AND LASER SYSTEMS);
- MEMS/MOEMS (Micro Electro-Mechanical Systems).

PROJECTS

- MEMS;
- GNCO;
- MAGNETOMETERS' COMMERCIALIZATION;
- IMAGING LIDAR TECHNOLOGIES;
- MAGNETOMETERS FOR AEOLUS SATELLITE;
- HEAD-UP DISPLAY FOR ASTRONAUTS;
- SPACE QUALIFIED LOW COST MAGNETOMETER.

MAGNETOMETER

The main goal of this project is to work on space activities required to prepare the formal space qualification in the frame of a pre-qualification of MEMS devices.

Partners:

- THALES ALENIA SPACE;
- EADS ASTRIUM SPACE TRANSPORTATION;
- ALTER TECHNOLOGY GROUP SPAIN.



MARKETS

Aerospace / Industry / Services / Security and Defence.

CERTIFICATIONS

- NP EN ISO 9001:2008;
- SMT (Surface-Mount Technology) - Standard da ESA ECSS-Q-ST-70-38C.

This firm is taking part of the AICEP database.



4.2 AEROSPACE

OGMA

COMPANY

Founded in 1918, OGMA - Indústria Aeronáutica de Portugal, S.A. represents today a major part of the Portuguese aviation industry and one of the oldest aviation companies in the world.

In March of 2005, OGMA was privatized after AIRHOLDING SGPS (EMBRAER and EADS) became shareholder of OGMA with 65% of the shares.

The accumulated experience and acquired knowledge, matured and developed over its long history, allows OGMA to offer services of very high quality, expertise and reliability.

The high qualified personnel are the result of several generations of learning and sharing.

OGMA has the certifications from all the relevant aeronautical institutions and the extensive list of world-wide military and civil customers that OGMA has been serving over the years constitute the strongest arguments to support the excellence of OGMA's performance and its international reputation in the market.

VISION

With solid roots in the past, OGMA drives to project itself into the future, through a continuous improvement of its services always focused on the satisfaction of its customers needs.



contacts:

OGMA – Indústria Aeronáutica de Portugal, S.A.
Parque Aeronáutico de Alverca
2615-173 Alverca - Portugal
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Fax: +351 219580401
www.ogma.pt
geral@ogma.pt

MAIN ACTIVITIES

Aircraft maintenance, repair and overhaul of engines, avionics and other accessories;
Aircraft systems integration and upgrade;
Manufacturing and assembling of aircraft components and structures;
Engineering and logistics support;

PRODUCTS AND SERVICES

Aircraft Maintenance

- Defense Aviation;
- Lockheed; Dassault Falcon 20/50; Casa; Dassault Dornier.

Helicopters

- Eurocopter SA-330 "Puma";
- Eurocopter SA-316 "Alouette III".

Commercial Aviation

- Embraer and Airbus.

Engines Repair and Overhaul

- Rolls-Royce and Turbomeca.

Components and accessories repair and overhaul

- Landing Gears; Propellers; Avionics Mechanical assemblies; Hydraulic and pneumatic accessories.

Aerostructures

- Aerostructures assembly;
- Aeronautical components manufacturing from metallic and composite materials;
- Looms manufacturing and Industrialization;
- Program management and industrialization;
- Design and manufacturing of tools and jigs;
- Participation in aeronautical components design and collaborative engineering processes.

CERTIFICATIONS

APCER Certificate of Registration NP EN ISO 14001:2004; NP EN ISO 9001:2008 ; EASA/INAC ; FAP/DEP AQAP Certificate ; IPAC ; NATO - NAEW & CFC NATO Bureau Veritas AS 9100 ; EASA.21J.304.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.2 AEROSPACE SPIN.WORKS



contacts:

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Fax: +351 21 012 8452
www.spinworks.pt
info@spinworks.pt

COMPANY

Spin.Works is an aerospace company dedicated to the development and manufacturing of aerostructures and unmanned systems for the Aeronautics, Space and Defence markets, taking advantage of its multi-disciplinary competences, as an integrator for complete systems and products.

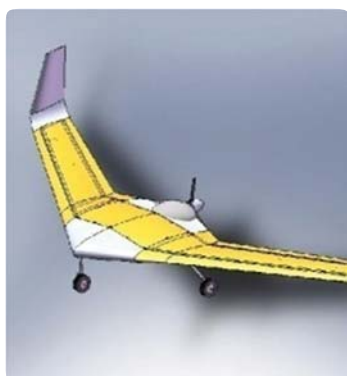
Spin.Works has, since its inception, been strongly involved in GALILEO and European Space Agency programmes, as well as in R&D activities at national and European levels, namely within the Clean Sky JTI.

MISSION

Create, develop and deploy innovative, multi-disciplinary and cost-effective solutions, in the areas of aerostructures, mechanisms, navigation & flight control, machine vision, and unmanned aerial systems (UAS).

VISION

Become a system integrator and reference player in the emerging unmanned aerial vehicles and personal aircraft markets, and lead the future of aerial transport.



AEROSTRUCTURES & COMPOSITES

Aerospace Parts

- Design, optimization, simulation, manufacturing and qualification of composite aerostructures. Pre-preg/Autoclave and development of new out-of-autoclave processes.

Antennas

- Design and manufacturing of ground segment satcom antennas.

Shelters

- Deploy-anywhere all-weather shelters for critical applications in demanding environments.

UNMANNED SYSTEMS

Unmanned Aerial Systems (UAS)

SWO-UAS with a maximum take-off weight of 20kg, payload capability of 7kg – 10h endurance (interchangeable), dual communication links, full-authority flight control system and portable ground station.

Navigation & Flight Control Systems

Navigation – Family of navigation (IMU, ADAHRS and INS/GPS) systems targeted towards UAV and general aviation markets. Based on MEMS technology and state-of-the-art navigation filters.

Flight Control Systems – Family of flight control systems targeted towards the UAV market, featuring auto-land and take-off functions, fault tolerance and health monitoring. Packaging into stand-alone systems or integration into IMA architectures.

Machine Vision

Image processing software for detection systems based on opto-electronic sensors. 3-D reconstruction, feature extraction and tracking and real-time decision making algorithms.

Mechanisms

Non-explosive actuators for space applications.

Integrated design of mechanisms involving coupled thermal-structural-software simulations.

4.2 AEROSPACE

TAP Maintenance & Engineering

COMPANY

TAP Portugal started its activity in 1945. Since then, the Maintenance and Engineering Department has always been responsible for the good condition and safety of the TAP fleet. Further more, since 1974, has also developed an intense activity of maintenance to third parties, which contributed to half of the total revenue of this business unit.

TAP Maintenance & Engineering is a company with a proven record in the sector. Headquartered in Lisbon Airport and with several stations abroad, the company presently employs around 1.950 people, trained and qualified to provide Maintenance and Engineering service on aircraft, engines and components. In a market that is both demanding and competitive, where safety is fundamental.



contacts:

TAP Maintenance & Engineering
P.O. Box 50194
1704-801 Lisboa - Portugal
Phone: +351 218 416 892
www.tapme.pt
info.me@tap.pt

ACTIVITIES

In 2005, TAP Maintenance & Engineering was invited by Airbus to integrate the first Maintenance Repair & Overhaul (MRO) Network, the Airbus MRO Network, extending its sphere to include VEM as an affiliate in South America, which added new dimension to the services already offered by the company. In that same year, TAP Portugal was distinguished by Airbus with the "A310 Operational Excellence Award" for the best world-wide utilization of the Airbus A310 fleet in the period between 2003 and 2005. This award joins others already granted by Airbus to TAP, for the best operational performance world-wide, of the A340, A319 and A310 fleet. In 2007, TAP Maintenance & Engineering was awarded a recognition certificate as the Best Engine/Aircraft Source of Repair for the NATO AWACS (Airborne Early Warning and Control) in reference to the year 2006.

SERVICES

Components Maintenance

With a know-how accumulated over decades of supporting the fleets of parent airlines and other operators around the world, TAP Maintenance & Engineering offers overhaul, repair, test and modification for more than 15,000 components equipping the following aircraft and their engines: for the Airbus A300-600, A310, A330, A340, A320 family; for the Boeing B727, B737 CL, B737 NG, including BBJ, B747-100/-200/-300, B757, B767, B777, DC10, MD11; for the Embraer EMB 120, ERJ 135/145, E-JET 170/175/190/195 and Legacy.

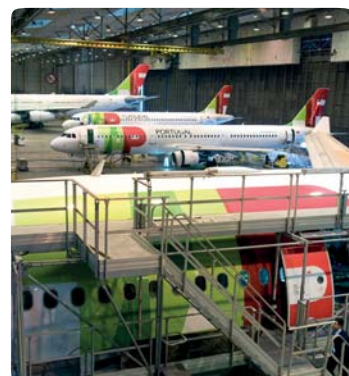
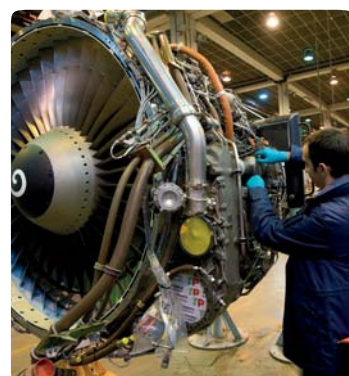
Our long-term involvement with commercial operators made us aware of the importance of on time delivery of components for an efficient operation. That is why we are committed to offer our Customers cost efficient components maintenance with short turn-around times and high quality and reliability standards.

CERTIFICATIONS

ISO 17025; ISO 9001:2008; AS 9110:2005 ; AQAP 2120

With an approval covered by ISO 9001 and certified by Aeronautical Authorities of various countries.

This firm is taking part of the AICEP database.



4.2 AEROSPACE UAVision

COMPANY

UAVision Aeronautics is specialized in the design and production of SUAV (Small Unmanned Air Vehicles) systems.

Currently UAVision is organized in two different departments Avionics and Structures. UAVision is specialized in finding creative and innovative solutions to complex real-world problems.

MISSION

UAVision was born in 2005 from the dream that innovation and technology can be combined to address tough customer problems. Since then, UAVision helped many customers who were looking for a solution, a product or a technology to optimize their business.

VISION

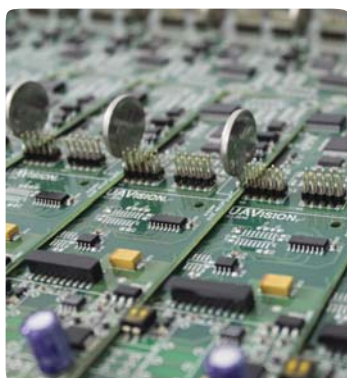
UAVision systems engineering team is always looking for innovative and affordable solutions to address its customer's challenges.

UAVision deep expertise in various fields of engineering enables the firm to address all the phases of the product life cycle, from concept to prototype and to a final product or turnkey solution. And, after the work is done, UAVision continues to support its customers with its team of support professionals.



contacts:

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www.uavision.com
info@uavision.com



PRODUCTS

U4 QuadCopter

The U4 is an unmanned aerial vehicle (UAV) that has been designed to carry small payloads, such as wireless video cameras or photographic machines. The ground control station allows you to remotely pilot the U4 and plan the mission that will be autonomously executed. Its quad rotor design allied to an advanced control algorithm, gives the U4 outstanding flight stability, turning it in one easy and fun platform to fly.

SERVICES

The Avionics department is specialized in the development of small compact and ultralight electronic flight control and telemetry systems for Fixed Wing and VTOL (Vertical Takeoff and Landing) SUAV.

Their offer includes customized design of MEMS 6 axis IMU (inertial measurement units), altitude sensors, Autopilots, and a variety of telemetry data links.

The Structural department is focused in the mechanical design of SUAV structures in composite materials and Aluminum.

It's offered a clients fast service from concept to working prototype while maintaining a high quality standard.

PROJECTS

UAVision has gained some experience in special projects for police and military applications, such as a gyro-stabilized platform with visible and thermal cameras integrated to be installed on helicopters, a coastal surveillance vehicle, a portable criminal register system and a tracking system based on GPS/GPRS/INMARSAT D+ technologies.

Due to its focus on system integration, UAVision has a wide range of engineering capabilities. UAVision has engineers coming from different areas such as Aerospace, Electronics and Information Technologies. UAVision is able to develop a complete product or turnkey solution designed from scratch inside the company.

CERTIFICATIONS

This firm is taking part of the AICEP database.

4.3 NAVAL

ARSENAL DO ALFEITE - Manutenção e Construção de Navios

ENVC – Estaleiros Navais de Viana do Castelo, S.A.

NAVALRIA – Shipbuilding and Repair

SIPAMAR – Peças e Acessórios Marítimos

Other companies worthy of reference:

CONAFI – Construção Naval de Fibras

ENM – Estaleiros Navais do Mondego

ENP – Estaleiros Navais de Peniche

EST – Empresa de Serviços Técnicos

LISNAVE – Estaleiros Navais

MENAVAL – Construção e Reparação Naval e Metalomecânica

NAUTIBER – Estaleiros Navais do Guadiana

NAVAL ROCHA – Sociedade de Construção e Reparação Navais

PORTINAVE – Sociedade De Construções Navais Portimonense

SOPROMAR – Estaleiro Naval de Lagos

UNIÃO CONSTRUTORA NAVAL – Reparação e Manutenção de Embarcações

4.3 NAVAL ARSENAL DO ALFEITE

COMPANY

Arsenal do Alfeite, S.A. is a state company under the umbrella of EMPORDEF group since September of 2009, located in the Naval Base of Lisbon, in the town of Almada, placed on the south bank of the Tagus River, facing Lisbon. Started its activity as Arsenal do Alfeite, in 1939.

Arsenal do Alfeite, S.A. is dedicated mainly to the repairing and maintenance activities needs of the Portuguese Navy's fleet, providing its services also to other NATO members and commercial entities.

It employs the most advanced technology available in the fields of electronics, optronics, armament, mechanics and electrotechnic engineering.



contacts:

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 Laranjeiro
 2810-001 Almada – Portugal
 Phone : +351 210 950 800
 Fax: +351 210 950 873
www.arsenal-alfeite.pt
arsenal@arsenal-alfeite.pt



ACTIVITIES

Shipbuilding activity has been significant over the years. Currently most of the activity relates to the maintenance and conversion of Navy ships, both surface and submarines (the new 'TRIDENTE' squadron).

Aside from the Navy ship maintenance tasks, Arsenal do Alfeite is responsible for maintaining land based communications, training simulators and other electronic equipments.

The human resources policy calls for a homogeneous coverage of technical skills, allowing maintenance capability in all the Navy ship systems.

INFRASTRUCTURES

Docks/Pier Facilities

2 Transverse Slipways (up to 1250 tons), 1 Dry Dock (138m by 18m), 1 Floating Dock (60m by 12m) with 900 tons lifting capacity, Pier coasting (length 180 m), 2 docking bridge (length 100 m and 146 m).

Lifting Equipment (Cranes)

1 - 40 tons x 20m (Main Pier), 1 - 1,9 tons x 20m (Main Pier/Floating Dock), 1 - 1,9 tons x 35m (Transverse Railway), 1 - 3 tons x 35m (Transverse Railway), 1 - 5 tons x 27m (Dry Dock).

CERTIFICATIONS

Arsenal do Alfeite, S.A. has the NP EN ISO 9001:2008; quality procedures; constant supervision. The following labs are accredited by the Portuguese Institute for Accreditation under the NP EN ISO/IEC 17 025:

- Vibrations and Acoustic Laboratory;
- Mechanical Testing Laboratory;
- Chemical Testing Laboratory;
- Dimensional Mechanical Metrology Lab;
- Non-Destructive Testing Laboratory;
- Laboratory of Electric and Electronic Metrology;
- Protective Coating Inspection Laboratory.

This company is authorised by the Portuguese MOD to develop activities related to defence armaments industry. Besides that this company is taking part of the AICEP and NAMSA databases.



4.3 NAVAL ENVC

COMPANY

ENVC – Viana do Castelo Shipyards is a medium sized Shipyard in activity since 1944, located in the town of Viana do Castelo, on the Atlantic Coast in the very north of Portugal. Occupying an area of 400.000 sq.m and employing around 836 people, ENVC is the major Portuguese Shipbuilder.

ENVC - Viana shipyard has developed its own design procedures and nowadays the Company has a great capacity to design, build, convert and repair different types of sophisticated highly technological vessels. Has delivered more than 220 vessels.

MISSION

Design, build, repair and transform merchant ships up to 30 000 dwt and non combat military ships of small / average tonnage.

VISION

ENVC – Viana Shipyards intend to:

- Remain competitive in the market of merchant vessels, with incidence in the segments of building, repairing and naval conversion;
- Improve the Company's specialization in the segment of non-fighting military vessels of small / average tonnage;
- Contribute to the economic development of the region and the development of knowledge in the naval industries.



contacts:

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www.envc.pt
navais@envc.pt

PRODUCTS

List of some ships which were built in the shipyard:

- Cement Carrier;
- Reefer;
- Multipurpose Container Carrier;
- Chemical Tanker;
- Ro-Ro Day Car & Passengers Ferry.

ORDER BOOK

Merchant

- Multipurpose Heavy Lift Vessels;
- Vessels Ro-Ro Day Car & Passengers.

Military Vessels

(Vessels for Portuguese Navy)

Logistic Multipurpose Vessel (LMV)

- To contribute to management peace support
- Humanitarian missions to protect and evacuate;
- Missions of National Civil Protection Service;
- To support military operations.

Ocean Patrol Vessels (OPV)

- To Patrol, watch and control the coastal and oceanic
- Support, protect and control the economic, scientific and cultural activities;
- Assistance operations of Sea Research and Rescue;
- Assistance operations, particularly with the Civil Protection.

Pollution Control Vessels (PCV)

- Recovery of oil spills on the sea surface;
- Dispersive spraying over pollutant floating oil spills;
- Oil recovery and transfer.

Coastal Patrol Vessel - CPV

- Performance of the State Maritime Authority;
- Participation in military operations and training.

CERTIFICATIONS

ISO 9001:2008

This enterprise is authorised by the Portuguese MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.3 NAVAL NAVALRIA

COMPANY

NAVALRIA started business in 1978, and is located in the port of Aveiro (central region of Portugal).

In 2008 it was acquired by Martifer Energy Systems SGPS. It has been subject of considerable investment in manpower, equipment and infrastructure, being able to build and repair vessels up to 100 m long.

NAVALRIA uses the most highly specialized project offices in each type of vessel, thus ensuring you are always working with the best and latest international projects.



contacts:

NAVALRIA
Zona do Porto Comercial – Terminal Sul
Apartado 39
3811-901 Aveiro – Portugal
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Fax: +351 234 378 971
www.navalria.pt
info@navalria.pt

MISSION

To satisfy the Clients, shareholders and workers through the supply of a quality service, in compliance with safety standards and environmental respect.

VISION

To be a National Leader on small and medium size Shipbuilding and Repair.



GENERAL INFORMATION

Annual Turnover in 2010 approximately: 12.290.000,00 €

No. of workers in 2010: 93

Percentage of graduate workers: 15%

Percentage of exports: projection of 60% in the mid term

VALUES

- Passion;
- Excellence;
- Talent;
- Innovation;
- Social Responsibility;
- Honesty;
- Confidence.

ACTIVITIES

Shipbuilding and Repair.

PRODUCTS

Passenger ships, fishing ships, military craft, tugs, merchant ships, dredgers, etc.

Current facilities allow up to 100 metres length shipbuilding and repair.

MARKETS

With a great flexibility and agility, Navalria is the broad shipbuilding and repair market for units up to 100 metres long, with a special focus on European and African markets.

CERTIFICATIONS

ISO9001 – process under way.

4.3 NAVAL SIPAMAR

COMPANY

Sipamar, Sociedade Importadora de Peças e Acessórios Marítimos, Lda., was founded, by notarial deed, in 24 May 1985.

In 1995, Sipamar started the year with the beginning of SIPAMAR II – Construção e reparação de equipamentos diversos, Lda.

Assemblage of a small workhouse of metalomechanic, in which we will develop the foundry of anodes for cathodic protection, according with international rules MIL-A-18001J, beyond the mechanic construction of parts for boats, railway material and industry in general and the repair of electro-mechanics equipment.

The SIPAMAR II supports in a technical area our representations, where we provide all the necessary repairs and technical solutions to our customers. Sipamar II has high skilled personnel able to work perfectly in such areas.



contacts:

SIPAMAR
PEÇAS E ACESSÓRIOS MARÍTIMOS
Praça Afonso do Paço – 5-A
1350-001 Lisboa – Portugal
Phone: +351 213 863 016
Fax: +351 213 863 088
www.sipamar.com
sipamar@sapo.pt

ACTIVITIES

SIPAMAR is a Trade Business that commercialize mainly with the maritime market, we actually represent several multinational companies.

Since 1985 SIPAMAR built and developed a strong and prosperous business relation mainly with the following Portuguese Shipyards: Arsenal do Alfeite; Conafi; Estaleiro Naval União Sesimbrense; Estaleiros de Viana do Castelo; Estaleiros Navais de Peniche; Navalria as well as many others commercialising in the maritime market such as Cordoaria Oliveira & Sá, and Elbrade GMBH, among many others.

PARTNERS



CERTIFICATIONS

This enterprise is authorised by the Portuguese Ministry of Defence to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP database.

4.4 LAND

CAETANO COMPONENTS – Caetano Group Company
CEIIA – Centro para a Excelência e Inovação na Indústria Automóvel
FABREQUIPA – Sociedade Industrial de Equipamento Rodoviário, Lda.
INDUMA – Máquinas Industriais, Lda.
OGME – Oficinas Gerais de Material de Engenharia

4.4 LAND CAETANO COMPONENTS

COMPANY

Founded in 1972, Caetano Components is a Salvador Caetano Group company, whose main activities are the manufacture of moulded foams in flexible polyurethane and metal components for Transportation industries, trimming of seats in either moquette or leather and sets of parcel/air ducts for both air conditioning and forced air ventilation.

PROFILE

- Components and Sub-assemblies for the Transport Industry.
- Commercial and Corporate Aviation.
 - Cabin and Interior Refurbishment Materials Supply;
 - Components Manufacturing.
- Structures and Materials.
 - SSI and Sub-Assemblies in: Metal and Plastic;
 - Semi-finished Products;
 - Components and Materials Inspection.



contacts:

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Fax: +351 22 786 71 71
www.caetanobus.pt
caetanobus@caetanobus.pt



TECHNOLOGY AND INNOVATION

Technological advance is crucial if a company is to be regarded as innovative in the way it manufactures its product to be competitive for target market. For that reason, our processes of Conception and Design are clearly identified.

PRODUCTS

A competitive market requires the product to incorporate technical solutions that are reliable and ensure very fast response time. For this reason, the structural calculation is a fundamental process of product optimization, facilitating the project development. This increases the “know-how” and, consequently, allows an easier start of new projects, rapid customization and the significant reduction of “time to market”.

Firstly, CaetanoBus products are virtually defined using 3D Modeling and Parametric tools. This type of technique permits a reduction of the development time as well as provides immediate computing “outputs” for finite element analysis and rapid prototyping.

The bodies built by CaetanoBus are mounted on chassis of various brands and with different specifications for purposes of touring service, interurban transportation and airport service, according to the needs of the customers.

PARTNERS

In order to develop innovative technical solutions, CaetanoBus works in close partnership with external entities recognized both nationally and internationally, such as: ADAI; ALCAN; INEGI, etc.

CERTIFICATIONS

- Quality - APCER: NP EN ISO 9001:2008, Certificado Nº 89/CEP.005.
- Environment - APCER: NP EN ISO 14001:2004, Certificado Nº 2004/AMB.171.
- This company is taking part of the AICEP and NAMSA databases.

4.4 LAND CEIIA

COMPANY

CEIIA was born on December 22, 1999. The need to create an engineering centre to support companies through the development of innovative solutions either in products and processes in the automotive and aeronautics took place in CEIIA - Engineering Centre (CEIIA - EC), located in Maia city and was launched on April 18, 2006.

VISION

CEIIA wants to create conditions for increasing competitiveness of national industry through the development of technology designed and produced in Portugal. With the boost of companies and entities involved and to support the activities of engineering and product development and process, CEIIA believes that it is possible to create products with greater incorporation of technology and increase the Portuguese national participation in the supply chains of automobile and aeronautics industries.

STRATEGY

CEIIA's work is focused on industrialization and improvement of product / process and the design, development and testing of product / process. Currently, the activity of the engineering centre is based on the perspective of Portugal becoming a space for design and production of niche vehicles.

As a result, CEIIA current strategy is granted by strengthening the competitiveness of industry: promoting the competitiveness of manufacturers installed (such as Volkswagen Autoeuropa).



contacts:

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www.ceiia.com
ceiia@ceiia.com

ACTIVITIES

Currently, in Ceiia there are more than 62 people working using the most sophisticated methods of technological development. CEIIA - EC offers combined skills that enable the development of the whole process from the creation of new concepts till materialization into a working prototype. The CEIIA – EC work is performed using design / CAD, CAE, virtual reality, reverse engineering and quality control, production, finishing and assembly of prototypes normally associated with modules, systems or even to vehicles or aircraft. These are skills that distinguish the integrated CEIIA - and allow EC to welcome all stages of development of new products.

CEIIA activity is structured in three Business Units: CEIIA – Private-Public Partnerships, CEIIA – Engineering Centre and CEIIA – Business Increase in Value of Technology.

CEIIA – PP works as an element of conception and implementation of instruments giving support and promotion competitiveness in national supply chains for mobility's industries. In the engineering centre (CEIIA – EC) there are engineering and development of product activities being.

PRODUCTS/ PROJECTS

The technology qualification of companies from automotive and aerospace sectors allows further enhancement of these skills in other areas, namely in the defence industry. A new national industrial technology basis will allow access to new projects for the defence at a national level induced by the Military Procurement Law (LPM), and in European context, associated with the EDA.

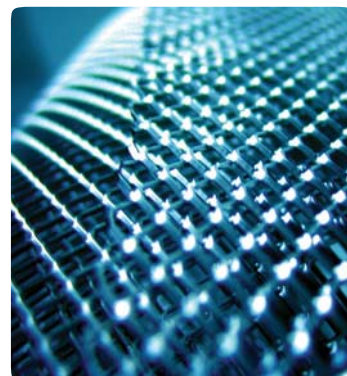
The type of projects in which CEIIA has been working creates capacity and experience for their involvement in systems to acquire under the LPM, such as new light 4X4 vehicles (VTLR).

At the same time, CEIIA has been focusing on creating three-dimensional fabrics for use in solutions of ballistic protection equipment in defence but also to protect individual ownership.

CEIIA will be one of the Embraer partners in the KC-390 project.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.4 LAND FABREQUIPA

COMPANY

FABREQUIPA is a Portuguese company working in the area of heavy mechanical engineering and specialized in the conception, design and manufacture of heavy road equipment. FABREQUIPA range of products includes the semi-trailers, port-Machines, IRR, General Cargo, container, steel and aluminum tipper etc. and stand out in particular the Special semi-trailers for transportation of machines with weights up to 80 tons, some of which are extensible.

FABREQUIPA has developed its activity in the design, manufacturing and commercialisation of heavy-duty transportation equipment namely trailers, semi-trailers and equipment designed for transportation of goods, heavy machinery, military equipment, vehicles, etc.

An important part of FABREQUIPA production still is in semi-trailers specially designed for certain specific applications, especially mobile units to substations including power transformers and other electrical equipment. The produced units are sold in the domestic market (small percentage) and the biggest part to foreign markets (Costa Rica, Argentina, Philippines, Vietnam, Egypt, USA, Dominican Republic, etc.).



contacts:

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 2830-237 Barreiro – Portugal
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 Fax: +351 212 147 659
www.fabrequipa.com
geral@fabrequipa.com



ACTIVITIES

Recently FABREQUIPA initiated its activity also in the military area, producing the wheeled armoured vehicles Pandur II 8x8 destined to the Portuguese Armed Forces, in a partnership with the Austrian company Steyr-Daimler-Puch Spezialfahrzeug GmbH, of the General Dynamics group.

With the construction of these vehicles, now in full production, FABREQUIPA set off to a new stage, developing the abilities for the construction of this type of armoured vehicles, specifics related transport equipment in the military area, armoured protection systems, etc.

PRODUCTS

From FABREQUIPA standard product range, the low-loader machine carrier semi-trailers stand-out with load capacities from 30 tons to 80 tons, including the extendible variants and the specific semi-trailers with detachable goose-neck and equipped with hydraulically controlled steering axles.



MARKETS

In the area of transport equipment, an accumulated experience related with the development of very specific solutions, as the semi-trailers designed for mobile substations equipped with hydraulic steering systems. These units can be found all over the world in particular in: Portugal, United States of America, Costa Rica, Egypt, El Salvador, Guatemala, Dominican Republic, etc.

CERTIFICATIONS

This enterprise is authorised by the Portuguese MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.4 LAND INDUMA

COMPANY

Induma is an active partner in processes of supply of equipments for the navy and other industrie. Induma has also the necessary infrastructure and technical qualification to give support to all supplied equipment.

MISSION

Induma products and services are reserved for a well defined universe of clients who know they can not do without us. Induma takes as primordial the auscultation of their clients necessities, fears and legitimate desires that we try to satisfy until exhaustion.

VISION

The respect for the clients and the quality of the suppliers allow us to face the market without concerns. Knowing our weaknesses and virtues, they are facing the aggressiveness of the market with a posture of respect and argumentation for positive, conscious that it is the best way to impose us a strong and credible business partner for any client.



contacts:

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www.induma.pt
comercial@induma.pt

PRODUCTS / SERVICES

Commercialization and Technical Assistance of the following brands:

Engines:

- MTU, Detroit Diesel, VM Motori.

Compressors:

- Bauer, J.P. Sauer & Sohn (for military purposes), Adicomp.

Hyperbaric Chambers:

- Haux-Life-Support.

Reduction Gearboxes/ Transmissions:

- Renk.

Boat Windows:

- Seaglaze.

Boat Seats:

- Pörtner Sitze.

Compressed Air Devices:

- JORC.

Exhaust gas system for marine diesel engines:

- Mecmar.

Fuel and oil treatment plants:

- MAHLE NFV GmbH.

CERTIFICATIONS

Certification under revision process by the Ministry of Defence for industry and commerce of military equipment including guns and ammunitions.

This firm is taking part of the AICEP database.



4.4 LAND OGME



contacts:

OGME – Oficinas Gerais de Material
de Engenharia
Travessa das Zebras
1301-901 Belém – Portugal
Phone: +351 21 363 81 51
Fax: +351 21 364 66 79
www.exercito.pt
director.ogme@gmail.com

COMPANY

The OGME are currently set up in a total area of about 33.000 m2 and the covered industrial area is about 11.000 m2. The OGME's main customer is the Portuguese Army, however, they can establish contracts with public or private, national or foreign, entities. The OGME employs about 105 workers, most of them with great professional know-how.

The facilities have infrastructures that allow repairing and complete maintenance of tanks and other armoured vehicles. OGME develops their activity through the different technically equipped departments, for the execution of repairing of the highest levels of maintenance. We make use of a test track with obstacles, duly standard, where it can be tested approach and exit angles, power, slide slope, suspensions, braking, direction and turning radius, and tests in the water.

Everything that is manufactured, reconverted or repaired is subject to a final inspection supervised by the Quality Assurance Service.

MISSION

The generic Mission of the OGME regards the Maintenance of Vehicles and Armoured Vehicles, Armament and Heat and Cold Industrial Equipment.

VISION

To develop the principles of the logistic in manufacture area to fulfil advanced technological the mission that is attributed.

ACTIVITIES

The activities that currently OGME develops are:

- Repair of heavy, armoured and mechanized vehicles;
- Repair of heavy armament;
- Repair of assemblies/subassemblies and gear boxes;
- Repair of heat and cold Industrial equipment;
- Manufacturing of spare parts and components for maintenance support;
- Manufacturing of trailers and containers;
- Participation in R&D projects;
- Participation in technical and military cooperation.

SERVICES

In armament, repairs are made in the following systems:

- Artillery weapons (field and antiaircraft);
- Weapon Tanks;
- Other armoured vehicles;
- All type of mortars and cannons (without recoil);
- Aiming systems (of several weapons);
- Adaptation of pneumatic brake systems in several types of howitzers.

PRODUCTS

OGME has the capacity to build:

- Different types of trailers;
- Tank trucks;
- Several equipment of metal-mechanics;
- Rolling gantry cranes;
- Mechanical bridges and structures for transmission equipment.

OGME has the capacity to execute diverse types of manufacturing:

- Trailers vehicles (water, fuel, cargo and sanitary);
- Reservoir tank (for water and fuel);
- Foundry parts;
- Vehicle spare parts;
- Armament spare parts;
- Metallic constructions.

CERTIFICATIONS

This company is taking part of the AICEP and NAMSA databases.



4.5 EXPLOSIVES AND AMMUNITIONS

IDD – Indústria Desmilitarização e Defesa, S.A

Other companies worthy of reference:

ADAI – Associação para o Desenvolvimento da Aerodinâmica Industrial
BROWNING VIANA – Fábrica de Armas e Artigos de Desporto

4.5 EXPLOSIVES AND AMMUNITIONS IDD



contacts:

IDD – Ind. Desmilitarização e Defesa, S.A.
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Phone: +351 212 308 065
Fax: +351 212 308 070
www.idd-sa.pt
r.prina@idd.com.pt

COMPANY

IDD is a company mainly involved with the demilitarization and disposal of all types of ammunition and explosives (including the disposal of airbags and explosive materials used in the pharmaceutical industry), having some additional capabilities in the area of defence material design, production and maintenance.

VISION

IDD aims to be a company recognized by its competitiveness and performance in the field of ammunition demilitarization and by its credits for a socially responsible behaviour regarding environmental protection, with the recycling of materials and products and an adequate treatment of residuals.

Particular attention is given to the implementation of strict safety measures and to the efficiency of its human, material and technological resources.



PRODUCTS HANDLED

- Artillery Ammunition;
- Mortar Ammunition;
- Small-Arms Ammunition;
- Rocket Shells;
- Bombs;
- Torpedoes;
- Mines;
- Missiles;
- Explosives;
- Pyrotechnical Devices;
- Hand Grenades.



CLIENTS

- Ministry of Defence;
- Law Enforcement Forces:
 - . PSP;
 - . GNR;
 - . PJ;
- Civil Market:
 - . Waste Management Organizations;
 - . Pharmaceutical Industry.

QUALIFICATIONS AND CERTIFICATIONS

- NATO Industrial Security Qualification.
- Qualification as per AQAP 2110 - NATO Quality Assurance Requirements for Design, Development and Production, equivalent to EN ISO 9001:2008 (in progress).
- This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



4.6 ROBOTICS AND AUTOMATION

EST – Empresa Serviços Técnicos, Lda.

IDMIND – Engenharia de Sistemas, Lda.

IntRoSys - Integrators for Robotics Systems, S.A.

SOCIEDADE COMERCIAL CROCKER, DELAFORCE & C^a, LDA.

Other companies worthy of reference:

NEOSPEC - Concepção, Desenvolvimento e Implementação de Processos de
Automatização Industrial

4.6 ROBOTICS AND AUTOMATION EST

COMPANY

EST – Empresa Serviços Técnicos, Lda executes work in the area of the Industrial Electricity, such as: Industrial Electrical Installations in Low and Medium Tension, Automation systems and industrial supervision, Instrumentation installations, Electrical Boards, Structured cabling Systems, Climatization systems and Technique Assistance in all areas of activity. The result of this effort and diligence is made evident by the number of technical partnerships developed with entities which are well-known both nationally and internationally.

VISION

Promote the development of the country by applying technical solutions capable of raising the quality of products.



contacts:

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2401-978 Leiria – Portugal
www.est.pt
est@est.pt



ACTIVITIES

Main Areas:

- Industrial Electricity;
- Industrial Engineering;
- Automation and systems.

The areas of action related to this sector are electricity of medium tension (substation), low tension (general usage installations), security installations (emergency groups), energetic rationalization (power factor correction) and industrial energy (the one mentioned lastly is connected to the automation and systems sector), where we try to develop the best technical and economical solutions that fit in with the demands and necessities of our clients. Calculate, dimension and install condenser banks to correct the potency factor in industrial installations; Project and execute installations of the production of electrical emergency energy (emergency generators groups).



SERVICES

EST and its Instrumentation Department have available, for its clients, various services in what concerns industrial instrumentation, such as the assembly of infrastructures and calibration of tools and of transmitters.

At a time where communication and data communication is becoming more frequent, it is necessary that any company considers solutions of structured cabling systems in order to assure success in communication. EST has available solutions of Structured Cabling Systems in cables of copper (UTP, FTP) and in cables of Fibre Optics.



CERTIFICATIONS

Certified according do norm: NP EN ISO 9001: 2000, with certificate n.º PT 03 85803.0.

This company is taking part of the AICEP database.

4.6 ROBOTICS AND AUTOMATION IDMIND

COMPANY

IDMIND Since its inception in April 2000, IdMind has developed a set of robot platforms which can be used as a test bed for several innovative robotic projects. These robot platforms range from small size microcontroller based robotic kits to middle size PC based robot platforms.

The current core business of IdMind is to provide solutions for RTD projects, industry, and services. These projects include complete robot solutions, as well as electronics design and system integration for existing hardware platforms.

MISSION

IdMind mission is to develop and commercialize a portfolio of innovative products and services in the areas of Robotics, Automation and Mechatronics, which are the result of a strong focus on Research and Development activities.



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info@idmind.pt

PRODUCTS

RAPOSA® – REMOTE INSPECTION ROBOT

Conceived for remote inspection of environments and/or objects potentially harmful to security forces, e.g., collapsed buildings, poisonous atmospheres or bunkers.

Robot main features:

- (1) good mobility over different terrains/structures, e.g., stairs or narrow courses;
- (2) different on-board cameras including a thermal camera;
- (3) environmental sensors, e.g., temperature, humidity and hazardous nocive gases;
- (4) increased autonomy trough the use of a tele-operated tether docking system;
- (5) other add-on sensors and actuators can extend RAPOSA capabilities adapting it to a specific task, e.g., inspection of potentially harmful substances.

RAPOSA is a valuable tool for remote inspection operations, trough the use of specific sensors the operator can be installed in safe place while receiving remote information from the robot.

RECENT PROJECTS

ROBOSWARM (Knowledge Environment for Interacting ROBOT SWARMS)

Development of an open knowledge environment for self-configurable, low-cost and robust robot swarms usable in domestic and public area applications - cleaning, patrolling, semantic mapping, escorting and others.

ROBOT GUIDES

As warm of robots developed by IdMind were integrated in a joint interactive project with the YDreams company, for the Visitor's Center of the "Ciudad Grupo Santander", near Madrid, Spain. These autonomous robots guide the visitors to their destination in the center.

CERTIFICATIONS

This company is taking part of the AICEP database.



4.6 ROBOTICS AND AUTOMATION

INTROSYS

COMPANY

IntRoSys S.A. started its activity in 2002, it is a market leader company, specialized in Industrial Automation, responsible for robots and armed arms software design, with special expertise in the Automobile and Aeronautics industry. More than just thinking the future, Introsys adapts it's present to the needs. of tomorrow "For Introsys, the nowadays implementation of Production Systems mean the digital factories of the XXI century.

That is why, we make it with a technique of excellence, which is, above all, the signature of this company.

SERVICES

IntRoSys S.A. provides the following services to its industrial clients:

- PLC's programming;
- Electrical design (EPLAN);
- Industrial electrical installation;
- Robots programming;
- Industrial maintenance;
- Project managements in industrial automation.



contacts:

INTROSYS – Global Control System Designer
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www.introsys.eu
info@introsys.eu



ACTIVITIES

- VW EOS - VW Autoeuropa. Palmela. Portugal.
 - PLC's, Robots and Electrical installation programming.
- Ford S-Max/ Galaxy - Ford Werke. Genk. Belgium.
 - PLC's and Robots programming.
- Ford Mondeo - Ford Werke. Genk Belgium.
 - PLC's and Robots programming.
- VW Scirocco - VW Autoeuropa. Palmela. Portugal
 - Electrical installation;
 - Electrical design;
 - PLC's and Robots programming.

PROJECTS

"ROBÔ ARES"

This service robot will be able to take part of an autonomous surveillance team, or to become an essential tool in future humanitarian demining missions. This work is co-funded by the Portuguese Ministry of Defence.

The bio-inspired design of the Ares robot has enabled a parsimonious solution, where the cost is reduced by using stereo vision as its main sensory modality for both environment and robot localization (a technique known as visual odometry).



R&D PROJECTS

IntRoSys, S.A. is strongly involved in R&D activities in collaboration with the UNINOVA research institute from the New University of Lisbon. Topics being developed by the team include: multi-agent systems, robot vision, piloting, planning, navigation, localization, and human-robot interaction/teamwork.

CLIENTS

- Thyssen Krupp Drauz Nothelfer; VW Autoeuropa - Palmela Portugal; DACS Ltd; VMA Industries.

CERTIFICATIONS

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this company is taking part of the AICEP and NAMSA databases.



4.6 ROBOTICS AND AUTOMATION

Crocker Delaforce

COMPANY

The firm's activities cover electronics, telecommunications and security – land, sea and air.

In relation to electronics and connected to defence, Crocker sells asides from other equipment, radio aids to radar navigation for ATC/ATM, radomes, spares for aircraft, calibration console for radio aids, night vision equipment, aircraft/helicopter equipment, telescopic masts, antennas, armament, meteorology equipment, control towers and diverse equipment for ships. It is also sells clothing and accessories for the military and police.

MISSION

Within the National Defence sector supply a wide range of military products and render services (installation, maintenance and repair) in particular to the Portuguese Armed Forces and Military Forces within our business area.

VISION

Supplying the client with the best service possible in terms of quality, excellent time responses, responsibility, competitiveness and giving the client the undivided attention.



contacts:

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Fax : +351 213 882 711
www.crocker.pt
crocker@mail.telepac.pt

PRODUCTS

Amongst others:

- Portable and Mobile Radios (MOTOROLA); Communications VHF/UHF (THALES);
- Armament (TEXTRON SYSTEMS);
- Military Equipment and Accessories (BCB INTERNATIONAL, LTD);
- Air Navigation Aids (THALES, MOOG);
- Radars (SELEX-SI e GALILEO AVIONICA, TARGET CORPORATION, FEL, SENSIS);
- Calibration Console for Radio Aids (AERODATA);
- Calibration of Radio Aids (FLIGHT PRECISION);
- Radomes (L3 ESSCO);
- Equipment for Aircraft and Helicopter (THALES);
- Spares for Aircrafts (Various Suppliers);
- Flight Helmets (HELMET SYSTEMS LTD);
- Navigation Buoy Beacons (VIKING MOORINGS);
- Customer Support and Service (NORTHROP GRUMANN SPERRY MARINE).

SERVICES

- Maintenance, revision, repair and installation of the diverse equipment Crocker sells on behalf of its principals.

PROJECTS

Amongst others:

- Supply and Installation of New ATC Systems for the GCA's for the Air Bases of Montijo, Ovar and Porto Santo;
- Installation of a DVOR/DME, in Fanhões;
- Installation of Radomes for NAV, E.P. and MDN/DGAIED.

CERTIFICATIONS

- NATO SECRET.
- ISO 9001 - 2000.
- This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

EDIGMA – Gestão de Projectos Digitais, S.A.
 EID – Empresa de Investigação e Desenvolvimento de Electrónica, S.A.
 EMPORDEF T.I. – Tecnologias de Informação, S.A.
 ESRI Portugal – Sistemas e Informação Geográfica, S.A.
 FIBERSENSING – Fibras Ópticas
 HOLOS – Soluções Avançadas em Tecnologias de Informação S.A.
 IDNT – Sistemas de Informação e Comunicação
 IGeoE – Instituto Geográfico do Exército
 IH – Instituto Hidrográfico
 INDRA – Sistemas Portugal
 INOV – INESC Inovação
 LINK CONSULTING – Tecnologias de Informação, S.A.
 METATHEKE – Software
 PLOGP – Consultoria e Serviços em Tecnologias de Informação.
 SETRONIX – Sociedade de Estudos e Empreendimentos de Telecomunicações, Lda.
 TEKEVER – Tecnologia, Produtos e Soluções
 THALES Portugal S.A. – Security-Solutions-Services
 YDreams, S.A. – Soluções Tecnológicas

Other companies worthy of reference:

ABACO – Consultores
 ATM Informática – Soluções e Sistemas
 CODEONE – Sistemas Identificação e Processamento Dados
 Decisão Lógica – Consultoria de Informática e Gestão
 ELACONTA – Informática e Contabilidade
 EVOLVE – Space Technologies
 GLINTT – Global Intelligent Technologies
 LOGISTEMA – Consultores de Logística
 NDRIVE – Navegadores e Receptores, Sistemas GPS
 PRIPT-PRIMAVERA – Business Software Solutions
 REDITUS – A Tecnologia do seu lado
 SDT – Electronica
 TIM WE – Actividades de Programação Informática

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

Edigma

COMPANY

Since 2000 EDIGMA has developed a business model targeted to the new communication channels market, focusing specifically on interactive systems.

Edigma's Headquarter is located in Braga, but there are offices in Lisbon and Madrid and a distribution network and projects implemented in about 30 international markets.

EDIGMA has about 55 employees and a rate of 65% of graduates. It has a turnover of 2 000 000 (two millions) euros, while its selling rate out of the Portuguese market is 26%.

VISION

The main vision for this entrepreneurial technological nest is that useless technology isn't innovative, hence the focus on providing usefulness to their products.

It's vision is that interactive systems will become even more mainstream and will play a key role in brand communication with consumers at retail points.



contacts:

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www.edigma.com
edigma@edigma.com



PRODUCTS

-Healthcare

Is the Edigma Group component specifically targeted to health market: hospitals and pharmacies. DISPLAX™ Interactive Systems can also be used for patients therapy and rehabilitation, using virtual stimulation to induce physical recovery.

- Oqtopus

Displax Oqtopus is an interactive multitouch table, all in one.

- Multitouch

DISPLAX™ Multitouch Technology turns any non-conductive material into an interactive multitouch surface.

- Overlay

- Single Touch;
- Multitouch.

- Moovit

Displax Moovit is an interactive floor.

- Pathfinder

Displax Pathfinder is an interactive directory, a wayfinding solution to help people.

- Skin

Transparent polymer film that can be applied to non conductive materials and turn them interactive.

- Window

Displax Window is an interactive window, a touchscreen glass solution.

R&D

The internal R&D team, EDIGMA FUTURE LABS, is connected to international research networks, promoting and benefiting from human resources and intellectual property exchanges with the most advanced research Labs in the world, creating channels of knowledge of excellence. They are responsible for the creation of the interactive systems that will later be marketed under the DISPLAX™ brand.

CERTIFICATIONS

This company is taking part of the AICEP database.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS) EID

COMPANY

EID is a company with recognized competence, with a proven record and a solid knowledge in the field of electronics and communications. The company designs, manufactures and supplies technologically advanced, high quality and reliable equipment and systems, particularly for the worldwide defence community.

This demanding market asks for a permanent attitude of innovation. Thus, business growth and the company sustainability in the years to come strongly depend on the ability to develop and launch technologically evolved, innovative products and solutions, meeting the customer's most stringent requirements. Such strategy requires a consistent and strong investment in R&D, to be sure that emerging technologies are constantly incorporated in new products.

FIELDS OF EXPERTISE

- Naval communications;
- Tactical radio systems;
- Vehicular intercom;
- Tactical Networking;
- Military messaging;
- Systems integration.

PRODUCTS

- Communications Command and Control Systems [ICCS for naval vessels, ICC-201 for tactical, land-based applications];
- Message Handling systems [MOST4 Ships, STANAG4406 MMHS];
- Radio Communications equipment [GRC-525 H/V/UHF multiband radio, PRC-502 VHF Hand-held transceiver];
- Field digital exchanges and telephones [CD-116, BLC-101B].

CLIENTS

EID's main customers are Armed Forces and Defence contractors. Besides the Portuguese Forces, the following stand out: Royal Navy, Royal Netherlands Navy, Spanish and United Arab Emirates navies; Brazilian Armed Forces; Portuguese Ministry of Foreign Affairs; Portuguese main harbours; Viana do Castelo, Navantia and HDW shipyards; Steyr-Daimler-Puch; Rohde & Schwarz among others. This range of clients ensures a significant export quota.

EID's ultimate goal is to provide full customer's satisfaction and so EID is proud of having developed long lasting relationships with its business partners. Facing the challenges of the future with optimism and confidence, EID is committed to go on providing Communications for Outstanding Performance.

CERTIFICATIONS

Quality Management System is certified according to ISO9001.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.



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www.eid.pt
eid@eid.pt



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

Empordef TI

COMPANY

EMPORDEF-TI is the Portuguese leading company in Military Simulation that offers technologically advanced solutions in the development and integration of turnkey projects for the military simulation market. EMPORDEF-TI products cover the principal training areas of Synthetic Training and Simulation from Basic, Procedures (Operators and Maintenance) up to Mission.

MISSION

To support the Portuguese Armed Forces and other customers on Maintenance, Training and Qualification needs for the XXI Century Defence Systems.

VISION

To become the Portuguese Armed Forces weapons systems leading supplier of:

- Simulation and Training Services;
- Automatic Test Equipment Software Solutions.



contacts:

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 geral@empordef-ti.pt



ACTIVITIES

Maintenance Procedures Trainer

- F-16 Avionics Integrated Maintenance Trainer;
- C-130 H Cockpit Procedures Trainer.

Test & Maintenance Support

- ETS A/C Engine Test SW;
- DIAMA - Automatic A/C Engine Diagnosis SW;
- A/C Vibration Monitoring SW.

Flight Simulators

- Disorientation Flight Simulator;
- Alpha-jet Operational Flight Simulator;
- Epsilon Flight Simulator;
- F-16 – MLU Flight Simulator;
- HFW/EC-635 Helicopter Simulator;
- Robinson R44 Helicopter Simulator.

Assit Desktop Training

- Avionics learning systems;
- Leaning and procedures for the C-130 aircraft;
- Leaning and procedures for the Tactical Radio PRC-525.

CBTs and e-Learning

- Motion Simulators;
- Fixed Base Simulators;
- Helicopter Simulators;
- Visual Systems;
- CBTs;
- Desktop Trainers;
- E-Learning;
- Training Services.

Test and Maintenance Support

- Test Software;
- Technical Documentation;
- Maintenance Services.

CERTIFICATIONS

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP and NAMSA databases.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS) ESRI

MISSION

ESRI Portugal's mission is to transmute the world's knowledge into power and action, through maximum development of the specific technology component of Geographic Information Systems (GIS) within a cohesive and coherent group of companies primarily focused in the creation of advanced Decision Support systems that allow its users to provide a true competitive advantage, strategic and fully differentiating, by recourse to intelligent Geographic Intelligence, both in domestic and international markets.

To cement in a transparent way their mission, ESRI Portugal advocates for the values of the individual, national sense, commitment, loyalty and guidance solutions to the real needs of organizations.

ESRI continues to reinforce its position as market leader, investing strongly in the development of new solutions, which evolution has been happening at an impressive rhythm, integrating its vast GIS know-how, and unlike others, ensuring a complete compatibility with application solutions and structures of data developed in previous software versions, guaranteeing today, as in the past, its clients investment protection.

Our methodology is based on the vast know-how we have to establish Geographic Information Systems.

ESRI Portugal considers people to be the most important and catalyst domain of all its activity.



contacts:

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www.esriportugal.pt
market@esriportugal.pt

ACTIVITIES

ESRI Portugal guides its activity through strategic vectors:

Results

- The company has had a consistent growth in the past three years.

Technology

- Technology reference around the world regarding the Geographic Information Systems, used in more than 150 countries.

Solutions

- Because of ESRI Portugal's experience, technology and R&D, it is now in a privileged position to supply Central and Local Governments, Defense and Security.

Industries

- Central Government; Local Government; Transportation, Logistic and services; Utilities; Telecommunications; Defense and Security; Education and Investigation.

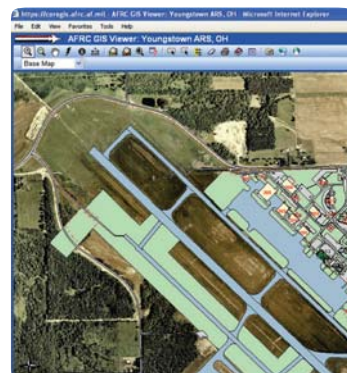
DEFENSE AND SECURITY

ESRI Portugal supports many National and International Armed Forces organizations, including NATO, in the development of advanced Decision Support Systems; Command and Control Systems (C2); Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance Systems (C4ISR); Military Cartography (land, air and nautical); Infrastructure and Facilities Management; Operational Support to Protection and Security Forces; Military Engineering; Joint Mission Planning; Simulation, Modeling and Training; Terrain Analysis; Peace Support and Humanitarian Operations Planning and Development; Target Analysis Including Definition and Acquisition; Real-time Target Pursuit, among other activities, with the conviction that GIS always supply a competitive advantage to its users.

CERTIFICATIONS

ISO 9001: 2000; Secret Level Security and NATO Secret Clearance; Technical trainees certified by ESRI Inc. for "Introducing ArcGIS for Defense, Intelligence and Public Safety".

This firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS) Fibersensing

COMPANY

FiberSensing – Sistemas Avançados de Monitorização, S.A. is one of the world's leading companies in developing optical fiber Bragg grating (FBG) based sensor systems for advanced monitoring applications, in Civil and Geotechnical Engineering, as well as Aeronautics, Aerospace and Energy Industries.

It develops, produces and commercializes the most complete portfolio, in terms of products (FBG sensors, measurement units and software packages) and complete solutions for monitoring, such as: custom development of OEM Systems and integration on customer product; turn-key solutions for a widespread application; monitoring projects that include the supply and installation of several fiber optic monitoring systems.

The company is proud of having addressed more than one hundred different monitoring projects around the world and delivered thousands of sensors and measurement units. FiberSensing is also strongly committed to keeping the highest level of innovation and product excellence through a continuous Product Development activity.

Founded in April 2004 as a spin-off from INESC Porto, the company is currently located very near Porto International Airport.



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www.fibersensing.com
info@fibersensing.com



ACTIVITIES

FiberSensing develops and produces highly innovative products and solutions based on Fiber Bragg Grating technology, the most suitable and reliable technology for long-term sensing and structural health monitoring. Fiber Bragg Grating (FBG) sensors having become the natural substitute for all conventional technologies available.

PRODUCTS

Advantages of FBG sensors:

- Multiplexing;
- Multifunctionality;
- Long Transmission distance-suitable for remote sensing;
- EMI/RFI immunity;
- Electric isolation;
- Signal Integrity;
- Long-term stability;
- Size;
- Oriented to a variety of applications.

FiberSensing measurement units allow simple fast sensor configuration and high precision measurements, using a user-friendly interface.

Benefits of FS measurement units

The ease of configuration and installation and the ability to connect various sensors under a unique interface grant the user a significant cost reduction.

Application examples:

- Aeronautics
Monitoring of in-flight refueling system, SHM in fuel tanks.
- Aerospace
Avionics and computer study for FLPP, NGL/ESA.
- Transport – Railway
Pantograph vibration monitoring.
- Energy – Production and distribution
Vibration monitoring in electric generators.
- Civil structures
SHM during construction and service life.

CERTIFICATIONS

ISO 9001:2008; IQNet.

This firm is taking part of the AICEP database.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

HOLOS

COMPANY

HOLOS, Soluções Avançadas em Tecnologias de Informação S.A. is based in the Technological Pole of Innovation, Almada-Setúbal Science and Technology Park, MADAN PARK. HOLOS derived from a group that was involved in several EU funded research projects. Technological innovation is in the basis to all its activities, namely through participations in several Research and Technological Development (RTD) projects both at national and international levels.

MISSION

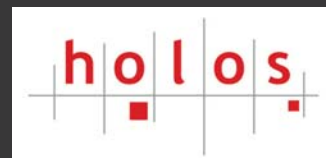
To contribute to the technological development of organizations, providing innovative products and services that improve access to information, support decisions and generate knowledge.

VISION

To achieve both national and international recognition as a leading provider of integrated solutions that aim the operational efficiency increase of their clients.

The main areas of HOLOS's expertise are:

- Service Robots; Software Agents Technology; Decision Support Systems; Factory automation; Data warehousing and Data Mining; Cloud computing.



contacts:

Holos - Sol. Avançadas em Tecn. de Inf. S.A
Parque de Ciência e Tecn. de Almada /Setúbal.
Ed. Madan Parque, R. dos Inventores
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2825 - 182 Caparica - Portugal
Phone: +351 210 438 686
Fax: +351 210 438 687
www.holos.pt
ana.gaspar@holos.pt

ACTIVITIES

Since 2004 HOLOS extended its skills to space technology, allowing it to become an ESA - European Space Agency authorized supplier.

In 2009, HOLOS was authorized to produce and market goods and military technologies and became an affiliated to DANOTEC. HOLOS continues the project of providing suitable products to the defense and security sector, enabling it also to participate in research projects sponsored by EDA (European Defense Agency).

In addition, HOLOS is represented in several instances, such as ASD (Aerospace and Defense Industries Association of Europe), and can now enhance its skills and apply its research, scientific knowledge and know-how at the service of the military technology industry.

PRODUCTS

Service Robot

HOLOS has been researching and developing all-terrain service robots for security purposes. The result is an autonomous and adaptable mobile robot that integrates surveillance systems to collect sensory information while performing tasks in potentially aggressive environments to humans, adapting to different use types and environmental conditions.

Service robots are able to perform tasks autonomously, fit for most common environments (indoors, outdoors in paved or unpaved roads, or for specific harsh environments), as its design allows it to overcome obstacles.

This remote surveillance solution is endowed with autonomy and minimizing the need for human intervention in surveillance of public spaces, oil pipelines and fields and industrial facilities, intrusion detection, fire hazard, spills or gas leaks and also on the transport of loads.

AFFILIATIONS

COTEC - Institutions of the National Innovation System);

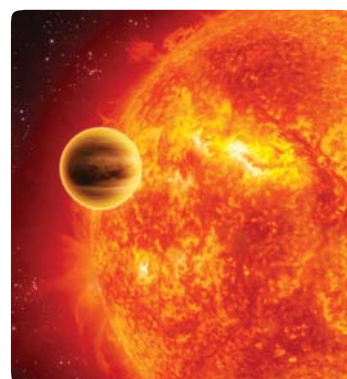
APDSI - Association for the Promotion and the Development of the Information Society;

APDC - Portuguese Association for Communications Development;

DANOTEC - association that promotes the interests of Industries related to Defense.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS) IDNT

COMPANY

IDNT Technology and Consulting, founded in 2000, is a Portuguese IT exporting company, with a strong presence in CPLP countries.

The company's core-business is development of biometric, decision support and workflow systems applied to the security and defense sector.

IDNT is a dynamic and versatile company with enterprising spirit, focused 100% in the trust, knowledge, severity and quality of the developed partnerships.

MISSION

IDNT's mission is encompassed by: performance excellence, client oriented, professional ethics, team work, values through innovation.

VISION

- Research and Development: cooperation/partnerships with national and international R&D players (universities, ERAs, companies, institutes, etc.);
- Long term relations with national and international markets: technology and knowledge transfer aiming at a joint development;
- Sustainable Development and Social Responsibility: participation in the sustainable development policy and IDNT involvement (its collaborators) and players/partners in the community.



contacts:

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Phone: 351 214 123 491
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www.idnt.pt
info@idnt.pt



PROJECTS

Along with the company's know-how regarding information technologies, IDNT has within the group that it is part, other technological companies - UAVision, Metatheke - that complement the offer with electronics, avionics, and vigilance systems, so that it can offer integrated surveillance and control solutions, either airborne or terrestrial. Having implemented several projects at a national level, from AFIS platforms to criminal record systems and to Geographical information systems applied to military decision support, IDNT positions as a suitable IT business partner for the security and defense sector.

KEY ABILITIES

- R&D;
- Mobile Solutions;
- Geographic Information Systems;
- Business Intelligence;
- Software Engineering;
- Workflow and process automation;
- Document management;
- Enterprise Websites;
- IT Consulting and IT Outsourcing.

MARKETS

- Angola, intervention sector: State.

PLAYERS/PARTNERS

- BUG, Eng^a e Serviços www.bug-ao.com;
- Technology transfer between IDNT and BUG focused on platforms and software development architectures.

COMPLEMENTARY PARTNERS

- Poghton, in Project Management;
- Uavision, in Electronics and Systems;
- Sysvalue, in IT Security.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

IGeoE

INSTITUTE

IGeoE is involved in Army and National Defense projects, either autonomously or in co-operation with other entities with recognized competence in geography science. Knowledge, innovation and technology are crucial factors.

MISSION

The Army Geographic Institute (IGeoE) supports operational missions related to geographic information and training of the National Forces deployed in several Theatres of Operations (including Afghanistan, Iraq, Bosnia, Kosovo and East Timor, for example).

VISION

The IGeoE aims to be the main national provider of basic geographic information, information that is adequate to customer demands and fully compliant with public liability and applicable laws, guaranteeing at the same its economic feasibility.



contacts:

IGEO - Instituto Geográfico do Exército
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Fax: +351 218 532 119
www.igeoe.pt
igeoe@igeoe.pt

ACTIVITIES

The IGeoE, provider of a considerable amount of geospatial information in Portugal, (the M888 cartographic collection on a scale of 1: 25 000 and other related collections), which allows Portugal to fully address its international responsibilities in this area, particularly on a NATO and EU level.

GOODS / SERVICES / PROJECTS

- Topographic maps on the scale of 1:10K, 1:25K, 1:50K and 1:250K;
- NATO standard maps on the scale of 1:50K and 1:250K;
- Orthophotomaps on the scale of 1:5K and 1:10K;
- Satellite images on the scale of 1:50K;
- Road maps on the scale of 1:250K and 1:500K;
- Digital terrain models (8 metres resolution, DTED1 and DTED2).

The IGeoE provides a series of geospatial projects, such as support to the definition of international boundaries (SIGAF), transformation of national cartography in order to become compliant with NATO and EU standards (CARTMIL) and real time Global Positioning System (GPS) via mobile phone for localization and navigation with centimeter precision (SERVIR), constitution of an Army data infrastructure with Internet, Intranet and offline applications (IGeoE-SIG, SIG-Ex e IGeoEMap), as well as simulation and terrain virtual reconnaissance in military operations (TRESIM).

MARKETS

The customers of the IGEOE products/services/projects are mainly the Armed Forces and the Security Forces, City Halls, Public Institutions, Universities, Research Institutions, Public and Private Organizations, as well as individuals. The IGeoE is an institution that promotes international cooperation, namely with NATO and with Portuguese Language African Countries, as well as bilateral cooperation with similar institutions.

CERTIFICATIONS

The IGeoE is an institution certified by the International Standard Organization ISO 9001:2005 (Quality), ISO 14001:2005 (Environment) and 18001:1999 (Hygiene and Health Protection at Work).

This firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS) IH

INSTITUTE

The Instituto Hidrográfico (IH) is a central department of administration of the Portuguese Navy and a State Laboratory to assist the government in policies related to the ocean. The technical and scientific activity of IH is carried out fundamentally in the areas of hydrography, cartography, safety of navigation, physical oceanography, marine chemistry, marine geology and geophysics.

The IH is the national authority in hydrography and cartography.

The nature of the work performed by IH encompasses naval operations, support to commercial services including public service, research & development (R&D) and cooperation.



contacts:

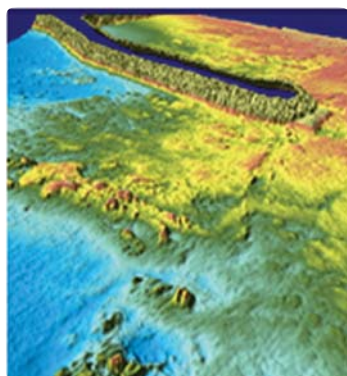
Instituto Hidrográfico
Rua das Trinas, 49
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Phone: + 351 210 943 000
Fax: + 351 210 943 299
www.hidrografico.pt
mail@hidrografico.pt

MISSION

To ensure Research and Development activities related with marine science and technology with military purposes and contribute as a State Laboratory to the development of the country in the scientific fields and defence of the marine environment.

VISION

To be a centre of excellence and quality in Research and Development in the sciences of the sea.



PRODUCTS / SERVICES / PROJECTS

- Official Nautical Charts
The IH is responsible for the construction, publishing and diffusion of the national Official Nautical Charts.
- Electronic Navigational Charts
The Electronic Navigational Charts (ENC) are digital nautical charts published by the IH.

OFFICIAL NAUTICAL DOCUMENTS

- Tide Tables
Contain the official forecast for the tides to the Portuguese territory, to the PALOP countries and to Macau (China).
- Sailing Directions
IH edits Sailing Directions for the Portuguese coast, containing complementary information to the nautical charts.
- Navigation Warnings And Notices To Mariners
Maritime safety information by radio and NAVTEX; Navigation Warnings; Official Nautical Publications.

ONLINE INFORMATION

- Data Information;
- Wave Forecast;
- Hydrographic Surveys;
- Aids to Navigation Plans;
- Bottom Sedimentary Characterization and Cartography - Chemical Analyses;
- Research And Development Projects.

CLIENTS

Mariners, Portuguese and NATO Navies, public institutions, universities and research laboratories, private companies.

CERTIFICATIONS

Quality Management System (NP EN ISO 9001:2000) ; NP EN ISO 9001:2000; (NP EN ISO/IEC 17025:2005) started in 2007.

This firm is taking part of the AICEP database.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

INDRA

COMPANY

INDRA It is ranked among the three first European companies in its sector according to stock market capitalization, and it is one of the three Spanish companies with more investment in R&D.

Indra is a point of reference in defence and security industry as a supplier of global integrated solutions for the implementation and management of critical systems in real time, currently in operation with the Armed Forces and Security Forces.

MISSION

Indra takes over all or part of a customer's IT function of its clients and other business processes in which technology is a strategic and distinguishing factor. Outsourcing is a technological partner, building a close relationship with customers in which services tie with business by sharing objectives, risks and benefits. For this reason Indra has covered all a chain of value and services.

VISION

To be an innovative, knowledge-based company in all relations with institutions and communities. The generation of solutions and services by innovation.



contacts:

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Estrada do Seminário, nº 4 – Alfragide
2610-171 Amadora – Portugal
Phone: + 351 214 724 600
Fax: + 351 214 724 690
www.indra.pt
infocenter-md@indra.pt

SERVICES (DEFENCE)

Air Defence Systems; Naval and Terrestrial Command and Control; Operations centres for the State Security Forces; Electronic Intelligence Systems; Electro-optics and Night Vision; Integrated Logistical Systems; E-learning and documentary management platforms; Simulation; Automatic Test Systems; Homeland Security; Navigation Systems, Satellite-based Communications and Control Stations, Remote sensing.

PROJECTS

- RADAR LANZA 3D – Program POACCS (DGAIED - MDN);
- C Bands C (ULS Element) – Program Galileo (ESA);
- Shelters (ULS Element) – Program Galileo (ESA).

PRODUCTS

- LANZA - Radar 3D of Long Reach in Band D;
- ARIES - Radar LPI (Low Probability Interception) of Hi-resolution;
- CIT-18/CIT-20 - Combined Interrogator/Transponder;
- C4I - Control systems and Flight control;
- SIGMA - Integrated system of Management of Aero Maintenance;
- COAAAS - Anti-aircraft artillery fire control Center;
- Systems military Electronic Airborne;
- SEO - Sensor Electro optical de Observation.

MARKETS

Defence & Security, Transport & Traffic; Energy & Industry; Telecom & Media; Finance & Insurance; Public Adm& healthcare; It Consultancy; Outsourcing; Security; Third Party Solutions; Networks.

CERTIFICATIONS

- UNE-EN ISO 9001:2000 – Aenor /IQNET;
- Project Management methodology CMMi 3;
- ISO 20000 Based on ITIL Methodology;
- Certifications in the Defence industry PECAL 2110 / PECAL 160;
- Certifications in the Aerospace industry UNE-EN 9100;
- UNE-EN ISO 14001 – Aenor Environmental management;
- European Regulation 761/2001(EMAS);
- CMMI 3;
- This firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

INOV-INESC

COMPANY

INOV is a private non-profit institute with its R&D capability recognized by the Portuguese Government (DR n.º 149, II Série, 01/07/2003).

INOV is the result of a large strategic restructuring process initiated by INESC (the biggest private R&D institute in Portugal).

Within this process, in 2001, INOV has incorporated into its structure an important part of the professional units of INESC, inheriting the resources and exceptional technical know how that makes this institute an international reference in its areas of business and the whole organization to present global market needs.

With its independent professional activity focused on results, INOV is the leading technological partner in Portugal.

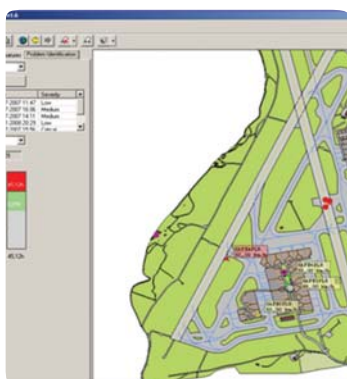
MISSION

As an independent entity, classified as National Technological Infrastructure, it does consultancy and development of technology, systems and solutions.



contacts:

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ACTIVITIES

- Monitoring, Navigation, Command and Control;
- Electronics and Optoelectronics;
- Communications;
- Information Technologies.

SKILLS

INOV has accumulated a strong knowledge in the following technical areas, each one supported by several technologies:

- Network Management and Safety;
- Telecommunications Equipment and Services;
- Access Networks and their Architecture;
- Mobile Communication Systems;
- Video Streaming;
- Speech and Image Systems and Technologies;
- Communications Systems for People with Special Needs;
- Navigation and Fleet Management Systems;
- Transports and Telematics;
- Remote monitoring and Videovigilance;
- Telemetry and Domatics;
- Electronics and Control;
- Information Technologies;
- Organisacional Engineering.

MARKETS

INOV also has a professional team with more than 15 years experience and a large client / partner base in 4 continents, that includes: the European Space Agency; the Governments of Portugal, Turkey, Greece, Angola; Harris Corp.; Siemens; ANA – Airports of Portugal; among many others.

CERTIFICATIONS

It possesses technical and human resources with National, E.U. and NATO Security Certification which enables it to participate in classified projects in the area of Security and Defence.

This firm is taking part of the AICEP database.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

Link

COMPANY

Link consulting came into existence after a spin-off of INESC's Technology Transfer Centres, upon intervention from Aitec, the oldest technology based group in Portugal. These Centres were pioneers in many areas of activity, such as the Internet, Software Quality, Multimedia and Decision Making Support, having participated in numerous projects, both in the national and international markets, many of which within the scope of European Community program frameworks.

MISSION

Link Consulting is a Portuguese company whose main mission is to create value through technological innovation in the Information Technology field.

VISION

To be recognized as one of the best consulting and engineering companies in the Information Technology area in the country and abroad.



contacts:

LINK CONSULTING – Tecnologias de Informação, S.A.
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Phone: +351 213 100 031
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www.link.pt
info@link.pt

ACTIVITIES

Link was created at the end of 1998 as a company with clearly marked innovative characteristics, congregating nowadays about two hundred highly qualified and motivated collaborators, with a vast knowledge of the market and its companies.

Within the shareholder structure of link, INESC and Aitec are directly represented, allying the experience of 10 years of activity in some of the largest national and international companies, to research and a continuous stake on innovation.

Link consulting has developed a significant part of its activity in the telecommunications and media sector and is proud to name all Portuguese communication operators.

Link consulting believes that modern organizations can achieve real productivity gains and creation of value through an adequate alignment of information systems with strategy and business processes. Information systems should neither be an end in themselves, nor support processes from an isolated department on their own. Information systems should be the means for a modern organization to achieve its business objectives and must be thought of as a coherent whole.

SERVICES

Link Consulting has structured its Services, Solutions and Products around main vectors:

- SmartCities;
- Smartcard;
- Intelligent Mobile Solutions;
- Solutions & Services;
- Interactive Emotions, Community.

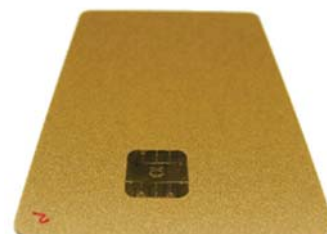
MARKETS

Link has been striving to create conditions for the internationalization of its services and solutions to occur as a natural part of its regular activity.

International presence has been materialized via projects carried out in Brazil, Morocco, Spain, Belgium, Switzerland, Spain, France, Israel, USA, Angola, Mozambique, Cape Verde and São Tomé.

CERTIFICATIONS

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS) Metatheke



contacts:

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www.metatheke.com
info@metatheke.com

COMPANY

Metatheke Software, a corporate spin-off of the University of Aveiro, was established in July 2007 with the support of the NEOTEC initiative from the Innovation Agency (AdI), which promotes the creation of new technological enterprises based on ICT. During these past years, we have collaborated with a various national and international institutions by means of creating, developing and installing digital content management platforms. Metatheke is the strategic partner for institutions aiming to build platforms to manage and distribute digital content all over the world.

MISSION

To provide its clients and partners support in defining and implementing custom made software services, that can potentiate the growth of their organizations, based on the vectors of design, communication, service and quality.

VISION

Metatheke aims to become a strategic business partner, for public and private organizations, in the field of Information and Communication Technologies

SOLUTIONS

Metatheke provides development and maintenance services for custom digital content management solutions, namely:

- Custom content management solutions for document, photographic and audiovisual archives/catalogues;
- Digital newsstands to sell and distribute newspapers and magazines online;
- E-book platforms;
- Institutional web portals;
- Indexing and search applications for high volume systems.

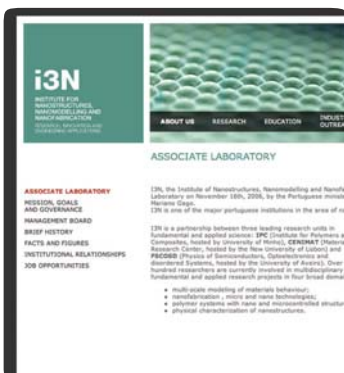
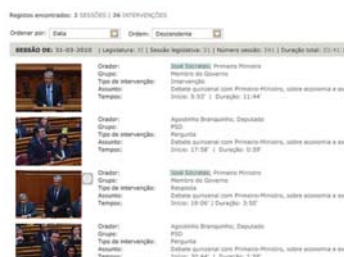
Metatheke believes that specialization is a critical factor for success. For that reason, innovation and research are two fundamental components of the development process in every one of our projects.

PROJECTS

- SinBAD;
- Portugal-Africa Foundation;
- recortes.pt® - digital newsstand;
- i3N web Portal;
- MPW'09;
- Photographic Archive - São Tomé and Príncipe National Assembly;
- Oficina da Ciência – online store;
- EUEBOOKS;
- Assinatura Digital - digital newsstand;
- Audiovisual Catalogue for the Portuguese Parliament;
- Portuguese National Library's online bookstore;
- CEa web portal;
- IPAD's institutional presentation;

CERTIFICATIONS

NP EN ISO 9001:2008 and ISO/IEC 20000-1:2005.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

PLOGP

COMPANY

PLogP, Ltd was established in Portugal in February 2003 and its core business is consultancy and services in information technologies and systems, including geographic information based systems. The company's activity has focused mainly on the development of Decision Support Systems and Geographical Information Systems (GIS); most solutions are based on Vehicle, People and Goods Tracking in real time. PLogP also provides consultancy in Information Technologies and scientific consultancy in areas related to the Ocean Sciences (Hydrography, Oceanography, Law of the Sea).

MISSION

PLogP mission is to conceive, develop and supply innovative technologies and information systems (by itself or through partnerships at all levels), providing resources and scientific and technical knowledge adequate to completely fulfill its clients' requirements at all times.

VISION

PLogP aims to develop innovative approaches and to provide solutions to emerging issues and problems on information systems and technology, anticipating needs and requirements, thus making it easier to conduct business.



contacts:

PLOGP - Cons. and Services in Inform.
Technologies – Rua do Norte, 15, 1º
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Fax: +351 213 258 947
www.plogp.pt
geral@plogp.pt

CORE BUSINESS

PLogP has the personnel, resources and experience to provide consultancy, solutions and services in activities, such as:

- Marine Integrated Management Systems (Local, Coastal and Regional) – GIS based system for understanding the ocean processes, resources and ecosystems and the ocean-land interaction; for integrated management of the oceans and marine resources; and the identification of significant opportunities for economic diversification and the generation of wealth;
- Total Service Hydrographic Systems – from hydrographic surveying to chart “print on demand”;
- International Maritime Law-Oriented GIS – Development of GIS based tools for defining maritime territory;
- Virtual Data Management Center;
- Geographic Information Systems;
- Risk Assessment and Emergency Management;
- Modeling and Simulation.

SOLUTIONS

PLogPs may involve the integration of advanced technological devices with Information Systems (IS) and Geographic Information Systems (GIS). These solutions can be distributed by Internet (LOG Product Line) or integrated into GIS software - ESRI (TT Product Line).

Log Product Line

- LogWaste - Management of Waste Collection;
- LogMobile - Tracking and Fleet Operational Support;
- LogDispatch – Dispatch and Management of Services and Field Teams.

TT Product Line

- Track Tool - Location and Tracking of Moving Targets;
- Track Tool Fire - Forest Fires Combat Operations Management and Control;
- Track Tool Dispatch - Allocation of Resources in Mobile Events.

PARTNERS

- Mobile Devices;
- ESRI Portugal;
- Franson Technologies AB.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

Setronix

COMPANY

Setronix was founded in 1966. Since then, the Company develops telecommunications projects, supplying global or partial telecommunications solutions including study, project, fabrication, supply, installation and maintenance of broadcast and transmission infrastructures for institutional and private customers.

Setronix four decades of experience allowed the firm to have an evolution in accordance with the market and its customers needs, always trying to fulfill them so that Setronix can be recognised by its customers as their number one partner, and develop a solid and long term relationship.

Setronix has the human, technical and financial resources to assure its customers a global service with competence, seriousness, high quality, the agreed delivery terms and a competitive price.

Through its national and international partnerships with Companies with high level of technological development Setronix can offer good technical solutions.



Setronix

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SETRONIX

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SKILLS

- Expertise on the supply, installation and reshaping of broadcast and transmission equipment and infrastructure.
- Expertise on maintenance and preventive conservation.

SERVICES

- Heavy and routine maintenance of towers and masts;
- Maintenance/recovering of radiating systems and antennas, including respective transmission lines;
- Maintenance/replacement of mast guys for all types and sizes;
- Inspection of verticality of masts for permanent settlement, bent or twist and adjustment of mast guys tension;
- Maintenance/repair of lighting and lightning systems;
- Maintenance/repair of grounding systems;
- Refurbishment of buildings (painting of in-house and out-door surfaces, waterproofing of roofs, etc.).

SOLUTIONS

- GSM - UMTS - LTE - CDMA - WIMAX - TDT Networks;
- Radio Diffusion and Satellite Systems.

CLIENTS & PARTNERSHIPS

National authorities; Military Markets; Broadcast Operators; Fixed Network Operators; Mobile Network Operators.

CERTIFICATIONS

Setronix a IMOPPI Certificate (Licence nº 18434). Setronix has a Nato Secret security clearance. Setronix is finishing the certification process to comply with ISO9001, ISO14001 e OSHSAS 18001.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry and trade. Besides that this firm is taking part of the AICEP database.

4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

Tekever

COMPANY

TEKEVER has a young, dynamic and motivated team of computer scientists, aerospace, electronics and communications and physics engineers. The company's core expertise fall in the field of embedded and distributed systems, communications, mobile systems, software development and interfaces.

TEKEVER created and developed the MORE technology to enable the creation of ever net-enabled products and solutions with simplicity and cost-efficiency. TEKEVER is making this technology available to enterprises, communities and people, by packaging it into commercially available, easy-to-use, out-of-the-box products.

MISSION / VISION

To contribute to the modernization of Armed Forces with disruptive technology that allows sustained and quality growth in communications, decision, action and information systems ensuring all the while their interoperability and operational continuity.



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PRODUCTS

mBPM - is a software platform that provides a unified modelling environment for configuring business processes, user-interaction and collaboration interfaces for every type of device and network.

mNET - is a communication system ad-hoc wireless to be used in operational environments.

mTOUCH - is a revolutionary product that helps you to control and manage your resources (human or materials) in any place, from everywhere.

mTRACKER - is a pre-packaged solution designed to reduce fleet costs through comprehensive management and real time location control.

PROJECTS

HEWS – System of detection and quick alert of public health risks.

ADHOCSYS - Creation of a wireless broadband network in rural and mountain regions.

AHEAD - Project focused on technology forecasting for future protection systems for the dismounted soldier.

MDS - Research, development and evaluation of a system for the detection and prediction of misuses in 3G and beyond telecommunication networks.

AVITRACK - Project focused on improving the efficiency and security of the handling (servicing) process.

THERAEDGE - An effort to accelerate the adoption of theranostics applications in Primary Care by pushing Point of Care Test (POCT) technology and delivering clinical, analytical and operational breakthroughs.

R&D

WANS - Research activity in the field of wireless and adhoc networked systems.

Location, Tracking and Navigation - TEKEVER is involved and investing in research in image processing and mosaicing, satellite imagery integration with navigation, indoor positioning techniques and navigation.

DEWS – Detection and early warning systems and decision support for rapid response. TEKEVER has already implemented and deployed prototypes in Portugal and Africa.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

Thales Portugal S.A.

COMPANY

Thales Portugal is a competence centre in integration of solutions for defense, transportation and security solutions for critical infrastructures. The Portuguese team started its activity in the early 90's under the portuguese railways network modernization plan. Today, Thales Portugal has 300 specialized human resources, spread between Paço de Arcos and the 16 Maintenance Centres, with a strong capability to design, develop, and deploy multidisciplinary projects. With its global network of 22,500 high-level researchers, Thales has earned particular recognition for its ability to develop and deploy dual civil and military technologies.

Thales Portugal has today a skilled team with strong competences in Command and Control solutions and turn Key" projects. Develop of new technologies and competences in integrated telecommunications, security products and systems, in Thales Portugal labs and project life cycle activities and R&D activities.

With operations around the world, Thales Portugal is recognized as key technology partner.



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VISION

Be the reference supplier of Mission Critical Solutions and Services.

SERVICES

C4 ISTAR capabilities:

- Leader in critical information systems & secure communications:

- Radio Communications;
- Information Technology Security;
- Network & Infrastructure;
- Protection Systems;
- Critical Information.

- Key Player in complete airspace security solutions for civil & military customers:

- Surface Radar;
- Air Traffic Management;
- Military Air Operations.

- Support and services for a wide range of commercial and military equipment:

- Commercial Avionics;
- Military Avionics;
- Helicopter Avionics;
- In-Flight Entertainment;
- Electrical Systems;
- Training and Simulation;
- Microwave & Imaging Sub-Systems.

- Key Player in interoperable solutions & services for land forces, air defence solutions & weapon systems, Imaging products & systems for security applications

- Advanced Weapon Systems;
- Missile Electronics;
- Optronics;
- Armaments;
- Protected Vehicles.

CERTIFICATIONS

"Bureau Veritas Certification" for Occupation, Health and Safety (ISO 18001), Quality (ISO 9001) and Environment (ISO 14001).

National Security Authority of Portugal granted a Nato Secret, National Secreto and Secret U.E..

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP database.



4.7 COMMUNICATION AND INFORMATION SYSTEMS (CIS)

YDreams

COMPANY

YDreams is a Portuguese company that works in applied technological creativity. We develop products and services using innovative technology, in areas such as: interactive interfaces, ubiquitous computing, augmented reality and 3D, through an approach that privileges design and, ultimately, the user.

YDreams' services and products have captured the attention of clients, partners, media and international investors. Our client and partner portfolio includes companies such as Vodafone, Nokia, Adidas, Siemens, IDEO, Sonae or the Portuguese Government.

YDreams has offices in Lisbon, Barcelona, London, Austin (Texas), Rio de Janeiro and São Paulo. The company also operates on a global scale with representatives in all major continents.



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PRODUCTS

Interactive Furniture – An elegant line of furniture that combines invisible computing and design to create user-friendly interfaces that bridge the distance between visitors and information.

YHome - A user-friendly touch screen interface placed inside the home to provide quick and easy access to a range of services including news, weather, traffic info, useful neighborhood contacts (pharmacies, food delivery and laundry services) and others.

Virtual Sightseeing® – An augmented Scenic Viewer that uses geo-referenced information to explore a landscape, ranging from multimedia content about points of interest to full blown 3D interactive simulations.



PROJECTS

YDreams develops large-scale projects for different markets, which range from advertising to education & culture, or quality of life. The ultimate goal is creating experiences that surprise audiences and convey information, using innovative interfaces that engage people and their surroundings. Some of our biggest projects include: state-of-the-art event booths, interactive stores, exhibitions, science centers and recreational venues, among others.



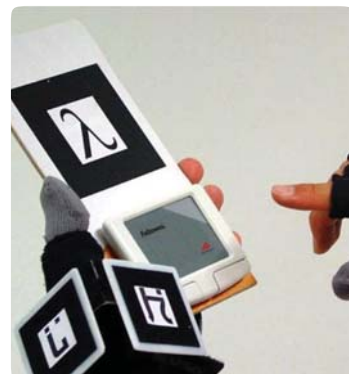
R&D

R&D has always been at the very core of YDreams. Several of the company's most successful and exciting products have sprung from YLabs – our in-house think-tank. Unexpected ideas, backed by unconventional methods have contributed to placing YDreams on the frontline of technology.

We have offices in Lisbon, Barcelona, London, Austin (Texas), Rio de Janeiro and São Paulo. The company also operates on a global scale with representatives in all major continents.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.8 SECURITY

MICROSEGUR – Sistemas de Segurança, Lda.
VISION BOX – Soluções de Visão por Computador, S.A.

4.8 SECURITY

Microsegur

COMPANY

Microsegur – Sistemas de Segurança, Lda. is a leader company in the Portuguese Security Market since 1997. Activities concern the development and sales of Security Solutions in the whole country and also abroad, mainly in the PALOPs (former Portuguese colonies). Microsegur already has an office in Angola and today Microsegur is on its way to improve its presence and services expansion offering complete and integrated Security Solutions at a Global level.

MISSION

Microsegur mission is related to new technologies applications within the security market, always closed to its customers and users.

OBJECTIVES

Microsegur main goal is to address the requirements of the market for:

- Engineering of Security Solutions;
- Quality in the service and after-sales;

With the know-how of its high qualified professional employees, partners, manufacturers and the quality of the products Microsegur represents, the firm is able to fulfill the needs and guarantee the quality assurance required by its customers. MicroSegur has a very professional and creative positioning, with strong resources in the research and development of complete solutions that fit its customers' needs.



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www.microsegur.pt
geral@microsegur.pt



SOLUTIONS

- Intrusion detection

Several indoor and outdoor solutions for intrusion protection, either in the residential, commercial and industry market.

- Fire detection

Conventional or analogue addressable fire detection systems with Integration with technical building management systems;
Special systems for fires detecting by aspiration;
Conveyor systems closures, Flexible fire protections closures and automatic smoke barrier.

- Cctv

Modern solutions in management and digital recording. Video surveillance solutions for commercial and residential application. Indoor and outdoor surveillance, with cameras connected by conventional cable, wireless, or IP.

- Access Control

Flexible and expandable solutions systems, with the possibility of being integrated, via IP, with other systems such as intrusion or CCTV, etc..

- Inspection Systems

People Screening, Checkpoint, Baggage and Parcel Inspection, Cargo and Vehicle Inspection;
Drugs and explosives Detection;
Radioactive Detection.

CLIENTS

- ANA – Portugal Airports, S.A.;
- APL – Administration Of The Sea Port Of Lisbon, SA;
- ANAM, S.A. – Madeira Airport;
- BRISA, S.A.;
- C.T.T. – Portugal Post Office, S.A.;
- Portuguese Railways, EP;
- Sonae Real State Management, S.A.;
- General Management of Portuguese Prisons;
- BANK OF PORTUGAL;
- NATO.

CERTIFICATIONS

This firm is taking part of the AICEP database.

4.8 SECURITY

Vision box

COMPANY

Vision-Box team is formed by international specialists with unique backgrounds and rewarded patents in various IT sectors, proceeding from international research institutions and the industry, and accumulating more than 30 years of expertise and recognised competence in the fields of digital CCTV, Biometry, image processing, computer vision and information technologies. Intelligent Security Management: Every second, millions of images are being captured and processed by Vision-Box Systems, installed right at the heart of the most prestigious organisations, who trust our biometric identity and digital video management solutions for their critical applications.

MISSION

- Be the market leader in the design, development, manufacturing and commercialization of computer vision, biometric and electronic security systems, based on applied research and development in advanced technology areas, for the creation of new innovative products;
- Provide a high return to its shareholders and a high level of reward to its employees;
- Contribute to the preservation of the environment and the development of Society.



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ACTIVITIES

Vision-Box concentrates its activity in three main areas:

- Intelligent Digital Video Management solutions & Danger Management systems;
- Electronic Identity solutions based on Live Biometric enrolment & verification kiosks and Smart eGates;
- R&D in Computer Vision Technologies for terrestrial and aerospace applications.

PRODUCTS

- Live enrolment stations – VB e-PASS ® Kiosk;
- Live enrolment mobile stations – Mobile VB e-PASS ® Portable;
- Live verification Smart Gates – VB i-Match ®;
- Intelligent Security Management – VB - SENTRYSPIDER.

BUSINESS

Through and extensive network of partners Vision-Box is active in every business activity field:

- E-Government solutions;
- Police and security installations;
- Airports, and other transportation services;
- Border control and immigration services;
- Retail businesses;
- Banks and other financial institutions;
- Distribution and logistics companies.

CERTIFICATIONS

ISO 9001:2000 international Standards, in certification process.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

AMORIM CORK COMPOSITE

CENTIMFE – Centro Tecnológico da Indústria De Moldes, Ferramentas Especiais e Plásticos

COURO AZUL – Indústria e Comércio de Couros

CRITICAL Materials

CUNHOL – Indústria Mecânica de Precisão

EDAETECH – Engenharia e Tecnologia

EURONAVY – Tintas Marítimas e Industriais S.A.

FISIPE – Fibras Sintéticas de Portugal

FREZITE - FMT– Ferramentas de Corte de Precisão

GEOCAM – Maquinação e Moldes, Lda

HPS – Higt Performance Structures

IBEROMOLDES, S.A.

IMPL– Indústria Mecânica de Precisão

KRISTALTEK– Laser e Mecânica de Precisão

GRUPO MOLDOESTE– Indústria de Plásticos

MULTIWAVE PHOTONICS – Tecnologias Ópticas e Electrónicas

OPTIMAL – Structural Solutions

PALBIT – Minas e Metalurgia

PLASDAN, Portugal – Máquinas p/ Plásticos

PLY Engenharia Lda. – Design and Prototyping

RIBERMOLD – Centro de Fabricação de Moldes

TEandM, S.A. – Tecnologia e Engenharia de Materiais

VALINOX – Industrias Metalúrgicas S.A.

Other companies worthy of reference:

3MARCOS – Fastener Solutions

ECV – Electro Central Vulcanizadora

IMOPLASTIC – Indústria de Moldes e Plásticos

INCOMPOL – Indústria de Componentes

LISMOLDES – Indústria de Moldes p/ Matérias Plásticas

LISTRAL – Estrutura Aeronáuticas

LMOLDES – Fabricação de moldes metálicos

MCG – Mind for metal

MDU – MDU Engineering

MOLDES RP – Industria De Moldes

NELO – Portugal, Barcos, Lanchas Carros

OBE & CARMEN – Navios, construção de Pesca - Equipamentos e Material

OLESIA – Indústria de Moldes

PIEP – Inovação em Engenharia de Polímeros

SETSA – Sociedade de Engenharia e Transformação

UEPRO – Engenharia Moldes Importação e Exportação

4.9 MATERIALS TECHNOLOGIES

Amorim Cork Composites

COMPANY

Amorim Cork Composites is committed to the development of materials suited to the requirements of industries such as aerospace, aeronautics, the composites and the automotive industry.

Amorim Cork Composites is constantly observing the market to find the best solutions for specific projects and challenges related to the need for sound insulation and anti-vibration, taking advantage of the features of its main raw material - cork.

This Portuguese company actively contributes to conservation and preservation of a unique habitat - the cork oak forest.

Amorim Cork Composites has worldwide presence through an efficient distribution network made by companies of the group and selected partners.



contacts:

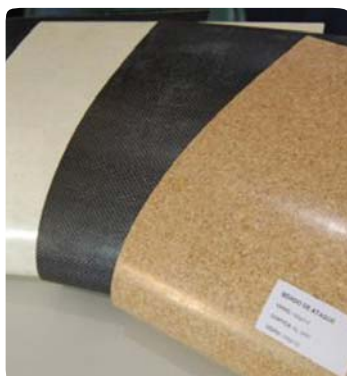
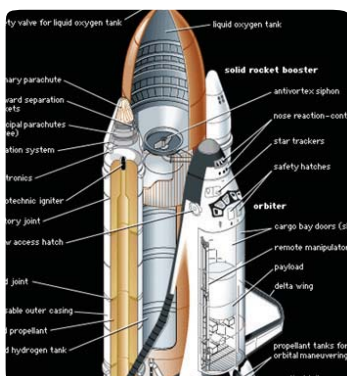
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MISSION

To add value to the raw material - cork - in an integrated and global manner, supporting current applications through competitiveness and differentiation and developing new products which are in perfect harmony with Nature.

VISION

To remunerate the Invested Capital in an appropriate and sustained manner, with differentiation factors at the level of product and service and with a workforce that wants to succeed.



PRODUCTS

- Cork Micro-fine (particles with diameter smaller than 0,6mm) for special applications;
- Cork granules in several sizes and densities;
- Rolls and sheets of agglomerated Cork;
- Rolls and sheets of Cork rubber materials;
- Composite Cork for acoustic insulation;
- Composite Cork for thermal insulation -TPS;
- Composite Cork and cork rubber for damping attenuation;
- High density composite cork for friction and impact applications;
- High temperature resistance composite cork for thermal protection systems in rockets;
- High rigidity and light composite cork for FRP uses as core material.

PROJECTS

- ATPI (High performance damping technology for Aircraft Vibration attenuation and Thermo-Phonic Insulation) - 6FP- EC AST4 – CT – 2004-516057;
- Cork Characterization for Space Applications – European Space Agency (ESA);
- RIS Concept – Railway Interiors with natural solutions.

CORK IN THE AEROSPACE INDUSTRY

The Thermal Protection System (TPS) was the main product range presented in Farnborough Airshow 2010 along with other R&D projects as AEROFAST, LIFE and AEROCORK outputs.

TPS materials are essential for the successful launch and operation of all the spacecraft, manned or unmanned. They will keep excessive heat from destroying or damaging a vehicle or its contents.

TPS based on cork are based on the ablation mechanism. Ablative cooling occurs when the heat is expended in a material phase change rather than being conducted to the interior of the vehicle.

CERTIFICATIONS

ISO 9001; ISO 14001; OHSAS 18001; BV/821/COP.TX

This firm is taking part of the AICEP database.

4.9 MATERIALS TECHNOLOGIES

Centimfe

CENTRE

Centimfe, the technological centre for the mould, special tooling and plastics industry, is a Portuguese non-profit organization that was created in 1991 whose main goal is to support technological development within the mould and plastics sector in Portugal. The Center acts as the natural interface between the industry, mainly SMEs, and the RTD institutions and Universities and currently has more that 200 associates ranging companies and public institutions.

MISSION

One of the missions of a technological center is to carry out Research and Development activities, in order to acquire knowledge and competences that should be at the service of Industry. This can be done not only through internal initiatives, but also resorting to its contacts' network and the very dynamic of the sector where the center is integrated.

VISION

In this context, and aiming at the growth of INNOVATION in the sectors where it is active, and at keeping up with the state-of-the-art, CENTIMFE actively promotes and takes part in R&D and formation projects for the development of new competitiveness factors directed at EXCELENCY.



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PRODUCTS & SERVICES

- Product Development and Industrial design using advanced engineering tools of CAD and CAE, Reverse Engineering;
- Materials and Technology Studies and evaluation of alternative production chains;
- Design and manufacture of tools, metallic parts and "jigs", using advanced technologies such as manufacturing (HSM-High Speed Milling);
- Machining of high specification level materials;
- Injection Moulding and trials;
- Studies of Organizational Innovation and implementation of reengineering processes;
- Design and manufacture of tools (moulds) for production of parts using processes of low pressure injection (RIM, RTM);
- Integration and application of advanced technologies of Rapid Prototyping aiming to develop products faster and more efficiently;
- Manufacturing of finished products by additive technologies for direct application (RM - Rapid Manufacturing);
- Development and application of Rapid Tooling;
- Support in the definition of investment projects, in project management, selection, training of candidatures and their monitoring;
- Specialized training in different areas, including: Management, Quality, Design and Development, Optimization of Production Processes, Health and Safety, among others;
- Calibration of Measuring Equipment, Tests for Determination of Errors in Machine Tools and Technical Assistance in Equipment Management and Dimensional Control. (Calibration Laboratory accredited by IPAC);
- Technical assistance in the implementation and restructuring of management systems (monitoring, control, metrology, organization's capacity and mechanisms for continuous improvement);
- Certification, Audits, Diagnostics, Training and Awareness at the level of Quality, Environment, Safety and Integrated Management Systems;
- Support for intellectual and industrial property (GAPI).

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Couro Azul



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COMPANY

Founded in 1989, Couro Azul S.A., is Portugal's most modern tanning plant. In keeping with the Carvalhos Group's diversification strategy, Couro Azul essentially deals in products for the Automotive and Aeronautic Industries. Having inherited the know-how of the Carvalhos Group's previous industrial plant – Curtumes do Lys – Couro Azul was designed specifically for the purpose of tanning whole cowhides.

Couro Azul has a staff of about 180. In addition to the office staff and about 30 people assigned to the Carvalho Group's sales area, a number of middle and senior staff employed in the technical area (chemicals and tanning technology) has received special training at the Nene College of Northampton and at the West Deutsche Geber Schule of Reutlingen.

The whole team attends periodic training courses every year.



FACILITIES

As the most recent industrial facility of the Carvalhos Group, Couro Azul was subject to careful planning. Covering a total of 17,000 m², the layout includes a raw-material reception, control and storage area, a battery of liming and tanning drums, a finishing area, a complete cutting department covering 3,000 m² and a research and quality control laboratory. The plant includes automated machinery and state-of-the-art technology, making Couro Azul one of the few European companies able to produce ecological leather (chrome-free) for the auto industry.

AERONAUTIC INDUSTRY

In recent years, quality standards and chrome free technologies allowed also projects for the Railway and Aeronautic industries. Couro Azul range of aeronautical leathers comply with norms such as NF F16-101, FAR/JAR25.283 and ABD0031.

AUTOMOTIVE INDUSTRY

Couro Azul's main production – cowhides – is directed at the automotive industry as a result of the Carvalhos Group's business and market-segment diversification strategy aimed at the specialisation of each of the Group's manufacturing facilities. Couro Azul's specialisation in the automotive industry is the result of ongoing technological and commercial efforts and of its investment in plant and machinery, equipment, technology and Quality. The success of these efforts can be seen in the development of ecological (chrome-free) leather in keeping with the most demanding technical specifications issued by carmakers. Couro Azul was among the world's first producers of this product. Couro Azul products are now used in VW, Seat, Skoda, Ford, Volvo, Renault, MG Rover, Nissan and Saab cars. Couro Azul provides a complete range of leathers for the auto industry – steering wheels, seats, covers, door panels, etc. – and for home and office furniture. Some of its products can be supplied cut to size.

CERTIFICATIONS

The latter has led to its Quality System, certified by BUREAU VERITAS, ISO/TS16949, VDA 6.1, EAQF/94 and ÖKOTEX.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Critical Materials

COMPANY

Critical Materials SA is an advanced technology company, which provides technology and efficient products for monitoring, diagnosis and prognosis of critical applications of advanced materials and services for the development of new materials solutions and applications. The company was established in 2009, is headquartered in Guimarães (Portugal), and has offices in Southampton and Yeovil (UK) and in S. José dos Campos (Brazil).

MISSION

To provide technology and efficient products for monitoring, diagnosis and prognosis of critical applications of advanced material systems.

VISION

Critical Materials will be a technology provider for the "nervous system and bio-brain" of critical applications of advanced materials.



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PRODUCTS

- Structural Health Monitoring Systems

Critical develops PRODDIA® - Structural systems health management – an advanced SHM system. Built into one integrated sensors & software tool, PRODDIA® is focused on the continuous evaluation of the material condition and of the structural integrity of asset critical components. Emerging from the requirement for a deployable SHM system, capable of integration with equipment already in field operation as well as new designs with advanced materials and built-in sensors. Designed on top of Critical Materials' Virtual Structural analysis Systems (VS2™) Core Technology, PRODDIA® looks beyond the traditional SHM solutions, supporting cost effective and prompt decision making actions.

- Intelligent Materials

Critical develops intelligent materials solutions based on the integration of functions in structural application of materials. Active materials, besides meeting application specifications, provide additionally functions that make them the next generation of advanced materials (e.g., conductive polymers, sensing materials, piezoelectric materials) with several applications (e.g., sensors/actuators, morphing structures, vibration control) transverse to many industrial fields. The integration of these intelligent materials into advanced systems requires the development of dedicated software tools - the brain -, that control their sensing and responsive behavior. These materials will further combined with advanced SHM systems. Self-healing bio-inspired systems will revolutionize the design and maintenance of long lasting equipment.

Examples

- Intelli-SHM – Development of an intelligent SHM system. JTI Clean sky, lead contractor Alenia Aeronautica.
- SARISTUS– Development of applications of Intelligent Materials solutions for aerospace applications. FP7, lead contractor AIRBUS.

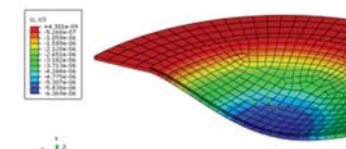
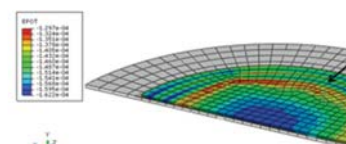
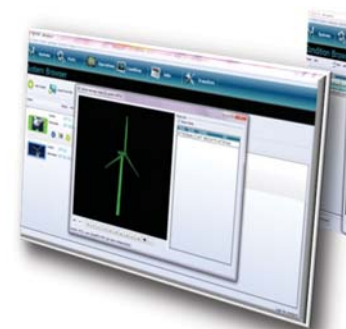
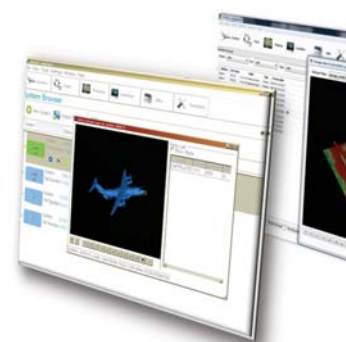
PARTNERS

Critical Materials is involved in projects with high profile companies such as AgustaWestland, AleniaAeronautica, Airbus and Embraer. Is also a member of JTI Clean Sky.

CERTIFICATIONS

CMMI® Level3, ISO 9001:2000 EN9100

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

CUNHOL

COMPANY

Cunhol was established in 1971, dedicated to precision mechanic, small parts manufacture in several sectors like Aeronautic and Food, repairing and new spare parts to industrial Maintenance.

With the growing of the company it started doing design, development and manufacture of small projects of Tool and Die for the Automotive Industry, years later it would become one of its main activities, putting Cunhol as one of the most competitive and specialized in the country.



contacts:

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 Precisão, LDA.
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 2695-743 São João da Talha
 Apartado 65 – Sacavém – Portugal
 Phone+351 219 948 130
 Fax: +351 219 948 139
 www.cunhol.com
 tecnica@cunhol.com



ACTIVITIES

Since the beginning Cunhol have been growing, always looking for diverse their position in the market, being today a company with credits in Industrial Maintenance, Aeronautic high precision parts manufacture, Design, Development and Manufacture of cutting and stamping tools for sheet metal parts and sheet metal parts production. Its links to the Automotive, Aeronautic, Food and Maintenance industries has more than three decades.

PRODUCTION MAIN MACHINES

CUNHOL has at its disposal a wide range of tooling machines capable of large scale machining, grinders, lathes, high speed machining centers for part production and a section of EDM for maximum precision parts:

- CNC Milling Machines;
- Convectional Milling Machines;
- CNC Lathes;
- Convectional Lathes;
- Wire-Cut EDM;
- Die-Sinking EDM;
- Surface Grinder;
- Cylindrical Grinder;
- Tool Shop;
- Stamping.

CLIENTS

The good relationship with its clients, fast and personalized service, effective and concrete budgeting, price/quality, dedication and professionalism in all its works and partnerships are its main lines of orientation.

The firm have gathered the conditions that allow it to respond the requests of its customers and therefore their satisfaction.

QUALITY MANAGEMENT SYSTEM

The QMS is based on the simplified model below, composed 4 Processes, unfolding into sub processes or procedures, which are composed by a set of linked activities that changes inputs into outputs.

CERTIFICATIONS

ISO 9001:2008

This firm is taking part of the AICEP database.

4.9 MATERIALS TECHNOLOGIES

EDAETECH

COMPANY

EDAETECH – This Engineering and Technology Company, was created in 2002. Its main aim is to provide engineering services, either in the creation of new products, or in the development of new solutions and new manufacturing processes.

It takes part in the development, trial and manufacture of prototypes and the production of small series of metallic components, especially for the automotive industry.

Edaetech gives support to its clients in the different stages: design, development, industrialization and changes in products, acting as an interface between companies with design / final assembly activities and with printing/ tools suppliers, etc. In this way promoting a faster product development, key factor in cost reduction and in taking time advantage for business opportunities.

Edaetech has very short execution deadlines (normally 3 to 4 weeks, depending on the complexity of the tools) which allows for its competitiveness in today's market.



contacts:

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4740-406 Fão - Esposende - Portugal
Phone: +351 253 989 390
Fax: +351 253 989 399
www.edaetech.pt
edaetech@edaetech.pt

PRODUCTS

- Prototypes

Edaetech has complete autonomy in the creation process of new prototypes from 2D/3D drawings, or from a suggestion given by the client for single pieces or metal sets:

- Design of prototype tools in 3D (CATIA V5 and PRO/E)
- Development of tools:

High speed machining of 3 and 5 axis, is aimed at the production of small series, in different materials (tempered steel, aluminium, stainless steel and titanium) especially for the automotive and aircraft industries;

- Report with information of critical points.

- Equipment and Special Processes

- Development of new and/or special processes according to client requirements.

Laser Processing

- 3D laser cut

With the 3D laser technology, we are able to guarantee superior quality in metal cutting, high speed, maximum precision and processing of pieces with a complex geometry.

- 2D laser cut

The high dimensional precision, the swiftness in execution and the excellent cutting result, makes this technology well known worldwide.

Control Measures

- Conception and execution of control measures, with or without automation, permit the validation of the product's geometric specification.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

EURONAVY



contacts:

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Phone: + 351 265 739 440
Fax: + 351 265 702 711
www.euronavy.net
international@euronavy.net

COMPANY

Euronavy is a Portuguese company that has made its name on the international market with its anticorrosive protective paints. Euronavy products are a synonym for innovation and environmental protection. Its international expansion began in the early 1990s. Since 2008 become part of the Sherwin-Williams group, now third largest coating manufacturer in the world”.

Euronavy’s concentration on innovation was vital for the success of this mission. It enabled the company to develop a coating technology that responds to the challenge placed by its vision: the ES301 family of products.

MISSION

To concentrate on differentiation to compete globally. Indeed Euronavy is supplying distinctive technologies to the market, different from traditional ones: they simultaneously improve steel protection and reduce environmental impact.

VISION

Euronavy believes that the way to respond to the developing needs of its clients is to develop a new coating technology that breaks away from the traditional rules-of-thumb of anti-corrosive protection.



PRODUCTS

Euronavy technology is different, both product wise (with unique characteristics in terms of environmental performance and anti-corrosive protection as they are solvent-free and moisture tolerant) and concept wise (the unique products allow for the use of alternative blasting and painting processes, such as hydroblasting). An important part of Euronavy’s solutions for steel protection are based on a unique, internally developed solvent-free epoxy technology (EURO-basic ES301 products). This technology has enabled us to offer a unique solution, putting together high protection (solvent-free hard coating, edge-retentive behavior) and tolerance (no dew-point restrictions, may be applied over damp surfaces, surface tolerance to adhered rust).



COMPETITIVENESS

To be different is Euronavy’s most critical competitive factor. Without it Euronavy would not survive internationally in a sector of activity dominated by large multinational corporations.

MARKETS

Today, Euronavy is a successful company in its market segment, exports 97% of its production and makes the technological advantage of its products felt in specific niche markets such as shipbuilding and ship repair, conversion and new building of oil platforms or painting of steel bridges.

CLIENTS

“Euronavy clients include corporations or institutions that are leaders in their respective areas.

A good example in the military area is US Navy. Or the fact that HDW (Thyssen Group) used Euronavy coating systems in the construction of the new submarines for the Portuguese Navy. The Brazilian company Petrobrás is a leader in off-shore oil exploration and is also a faithful client of Euronavy solutions. BP, Conoco-Philips, Exxon and many other clients are also benefiting from Euronavy technology.”

CERTIFICATIONS

Euronavy customers trust is reinforced by an NP EN ISO 9001:2000 compliant Quality Management System, certified by Lloyd’s Register Quality Assurance.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

FISIPE

COMPANY

FISIPE is a producer of acrylic fibres with plant at Lavradio, Portugal, operating since 1976. The company was set up in 1973 as a result of a joint-venture between CUF and the Japanese Group Mitsubishi and is quoted in the Lisbon Stock Exchange since 1986.

FISIPE, from a company producing basically standard textile fibre has gradually become a producer of special acrylic fibres, namely pre-dyed fibres, functional fibres and fibres for technical applications.

This was in fact its strategic option – to invest, through innovation and a systematic research, in new applications for the acrylic fibre as well as in new requirements in the current segments.

FISIPE is an essentially exporting company (99% of its production) and it acts in the markets worldwide.

INVESTMENTS

On the past 10th of December, FISIPE inaugurated the two most recent large investments made in its plant – the Cogeneration Plant and the Pilot Plant for the Production of Carbon Fibre.



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FISIPE-Fibras Sintéticas de Portugal SA
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Phone: +351 212 066 000
www.fisipe.pt
amcarreira@fisipe.pt

OBJECTIVES

To develop European Space Qualified Carbon Fibers in Europe for use in high demanding applications like satellite components The developed carbon fibres will be manufactured in a European owned industrial site to guarantee Europe “non-dependence” in this critical space technology.

Among other, FISIPE can provide technical expertise on the following issues:

- Dyeing technology;
- Colour matching technology;
- Modifying acrylic fibre cross-section;
- Developing high performing technical fibres (with mechanical enhancements);
- Innovative fibre finishes;
- Reinforcement Technical Fibres for civil construction.

SERVICES

Customer Service

To provide a Service of Excellence represents an additional factor that distinguishes FISIPE from its competitors and it is one of the strong elements of its strategy. FISIPE believes in the growing importance of its products' intangible components for the competitiveness of its customers' businesses, which is the essence of its Mission.

Responsible Care

FISIPE - Environmental and Occupational Health and Safety Management areas:

- Reduce environmental impact;
- Prevention and reduction of industrial risks;
- Efficient use of natural resources;
- Train and develop sensitivity in our Collaborators to Environmental Management and Occupational Health and Safety issues.

PROJECT EUCARBON

Strategic Needs for European Technologies Based on Carbon Fibres and Pre-impregnated Materials.

CERTIFICATIONS

- QUALITY OKO-TEX CERTIFICATION;
- ISO9001 CERTIFICATION;
- QUALITY ISO9001 CERTIFICATION;
- This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

FREZITE - FMT



contacts:

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Fax: +351 252 103 279
www.fmttooling.com
info@fmttooling.com

COMPANY

Frezite is a Portuguese Manufacturer of high quality standard metalworking tools for drilling, milling, thread milling, precision milling, turning and countersinking operations. Frezite that has the FMT brand is an Engineering company specialized in Precision Tool Systems. Conceived in Portugal in 1978, Frezite's early years were focused on the manufacture of high precision tooling solutions to the woodworking, plastics and composite industries. With an ongoing philosophy of products to the highest quality, that are designed, manufactured and supported by experts, the group had achieved it's goal of a global presence by the early nineties, with representation in all major markets and an infrastructure designed to provide local support and expertise to its customer partnerships. With its 33 years of experience in the development and production of precision cutting tools, Frezite has achieved a place among the most qualified companies. The head office is located in Trofa, 25 kms north of Oporto (Portugal), with other branches located in Spain, Brazil, United Kingdom, Czech Republic, France, Germany, Romania, Poland and Slovakia.

MISSION

FMT offers to its customers a wide range of standard and special products from standard end mills to complex fineboring tools, from modular tooling systems to fixtures. FMT belongs also to the pioneer companies with highest quality and engineering know how for difficult PCD Applications in comparing with tightest tolerances.



ACTIVITIES

- Automobile;
- Aeronautics;
- Moulding;
- Wind Farms;
- Medical;
- General Mechanics.

Aerospace Industry

FMT offers several solutions for machining aluminium, titanium, fibre carbone (CFRP), fibre glass (GFRP) and plus GLARE. For this highly innovative sector with a variety of materials, Frezite can supply high accuracy tools for the most demanding aerospace applications.



Automotive Industry

It's hard to find a sector which changes so quickly as the automotive industry. FMT is always looking for the development of new tool solutions for new materials and applications.

This high volume industry made up of large quantities of similar components is covered by a complete tooling programme for all the needs of these extensive productions.

R&D

The development of the new products is assured by the Research and Development Centre. From the conception on the tools, FMT applies it's experience and market knowledge, in collaboration with it's customers, to offer a standard programme suitable for the metal industry's new processes and equipment. Alongside this vast standard programmes, studies and developments of special tools, from the smallest cutter to a complete line of CNC machinery tooling equipment, are made to provide the customer with the most professional and profitable solution.

CERTIFICATIONS

FMT, certified company by APCER, Portuguese member of the international net IQNET (The International Certification Network), according with the standards ISO 9001, guarantees the total reliability on its products. FMT is proud to be one of the pioneer companies of the sector achieving the environmental certification, according to the ISO 14001 standard by APCER.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES GEOCAM

COMPANY

Geocam – Maquinção e Moldes, Lda was founded in 1999, composed by a dynamic hard working team with an evolutionary spirit and open to new ideas.

Since then, dedicates it work for the production of moulds for the plastic industry, with capacity till 30 tones. All work is destined for the most diferent markets and appliances.

VISION

“You have just entered the universe of a dynamic hard working team with a evolution-ary spirit and open to new ideas”.



contacts:

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2445-701 - Portugal
Phone: + 351 244 587 950
Fax: + 351 244 587 959
www.geocam.pt
geral@geocam.pt

ACTIVITIES

Business Areas:

- Automotive industry;
- Packing;
- Electrical;
- White line.

HYGIENEC/HEALTH/SAFETY

The implementation of the necessary methodologies to the fulfilment of the current rules, in what health and safety is the work place is concerned its ensured by and external entity which is duly certified for that matter.

JOB OPPORTUNITIES

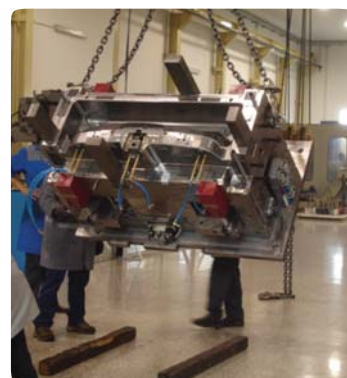
Geocam welcomes and supports the integration of new collaborators giving them access to continuo's and qualified training. A close interest in a regular accompaniment is most relevant, performing periodic evaluations to guarantee the satisfaction of the collaborators, transmitting greater flexibility in the response and improvement of the services provided.

The implementation of the necessary methodologies to the fulfilment of the current rules, in what health and safety in the workspace is concerned, it's ensured by an external entity which is duly certified for that matter.

CERTIFICATIONS

The Company is Certificated since 2004 by ISO 9001, and faces Quality the main factor for the strategic development of the organization. For these success it's necessary and fundamental the involvement of all interested parties: Clients, Collaborators and Suppliers.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

HPS



contacts:

HPS
Edifício INEGI
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4200-465 Porto - Portugal
Phone: +351 229 578 718
Fax: +351 229 578 752
www.hps-lda.pt
info@hps-lda.pt

COMPANY

HPS- High Performance Structures, Gestão e Engenharia is a SME based in northern city of Portugal Porto, offering Research, Development and Products in the areas of Advanced Composite Structures, Adaptive Structures and Thermal Protection Systems for Aerospace and Terrestrial Applications.

Date of Foundation: March 2007

A joint venture of two sources of competence:

- INEGI: Private, Portuguese leading R&D Institute of Mechanical Engineering;
- HPS GmbH: German SME dedicated to Technology Development for the European Space Industry.

COMPETITIVE ADVANTAGES:

- Experienced project managers in the aerospace and industrial sectors;
- Access to state-of-the-art facilities of INEGI and Faculty of Engineering of Porto (FEUP);
- Access to the European major players in the Aerospace sector.



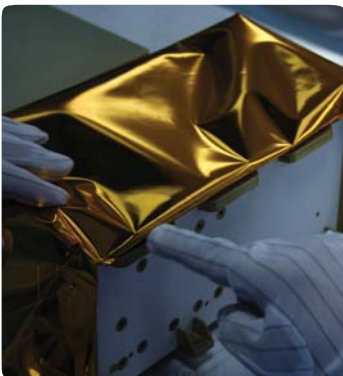
ACTIVITIES

Business Areas of HPS-Portugal

- Ultra-lightweight composites structures Design and Manufacturing;
- Thermal Protection Systems and Multi-Layer Insulations (MLI and TPS);
- Mechanical Ground Support Equipment (MGSE);
- Specialized Mechanical and Thermal Testing.

Services and Business Model

- Engineering Design, manufacturing and Testing of Structures;
- High-End Technology component and assembly;
- Focussing several national and international industry/institute experiences in one team;
- Strong focus to project management and control in time of cost and results.



PROJECTS

- HPS being awarded the MLI provision for eROSITA



- HPS is awarded contract to develop ESA's Delamination Assessment Tool

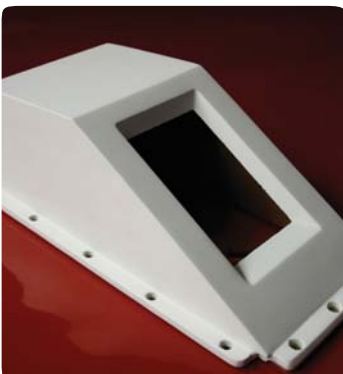


- HPS Portugal is awarded first contract with ESA



CERTIFICATIONS

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Iberomoldes

COMPANY

IBEROMOLDES is an engineering and tooling Group with a strong expertise in diversified areas such as product design, development and engineering, computer simulation, prototyping, manufacture of jigs, rapid and non-conventional tooling, moulds for the injection of thermoplastics and die casting and automation systems.

MISSION

Iberomoldes sustainability practices are grounded in the seven values that we promote: Customer focus, Teamwork, Continuous innovation and improvement, Security, Entrepreneurship, Personal development and improvement, Security and environment, Integrity and transparency.

Iberomoldes group of companies all staff has a duty to know, defend and promote these values. Want these values to be an instrument of internal cohesion, competitive differentiation and relationship with all the economic or social players, either with an interest or affected by our its activity.

VISION

Technical excellence, application and commitment delivered by highly skilled and motive workforce allows us to continually meet and exceed the ever evolving and developing requirements of global customer base in some of the most demanding markets.



contacts:

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joao.paulo@iberomoldes.pt

ACTIVITIES

IBEROMOLDES has a long tradition and high reputation in product design, development and engineering for a wide variety of sectors, such as aeronautics, automotive electronics/electrical, domestic appliances, telecommunications and others. For each case, a team of experts, from the materials, engineering, tooling and production divisions within the company, are involved providing the best mix of creativity for the specific solutions and applications. IBEROMOLDES supports broad range of CAD systems complemented by computer assisted engineering (CAE) studies.

SERVICES

- Design and Engineering;
- Rapid Prototyping;
- Rapid Tools;
- Jiggs and Fixtures.

INNOVATION

As innovation, quality and time-to-market are determining factors for every company's success, IBEROMOLDES has created a company whose motto is simultaneous Engineering Technology (SET), i. e. , complete and intergraded service, ranging from concept and design, engineering, developing and prototyping, to industrialization though production of pilot production or large series. Integrating the different phases of the product development, with the best and advanced simulation techniques, errors and failures of products are minimize, as well as, time necessary to execute and introduce a certain product in the market.

MARKETS

- Belgium; Germany; Spain; Holland; Sweden; United Kingdom; Israel and USA.

CERTIFICATIONS

IBEROMOLDES has clients in several countries around the World and works under the ISO9001-2000, ISO TS16949 and ISO 14001 certifications.
This firm is taking part of the AICEP and NAMSA databases.



4.9 MATERIALS TECHNOLOGIES

IMPL

COMPANY

IMPL Indústria de Mecânica de Precisão de Leiria, Unipessoal, Lda, was founded in 1999, by João Pedro Baptista. The company's main business is machining of high precision parts for the aeronautic industry as well as for general mechanics.

The founder's expertise and technical knowledge in this industry have been acquired in France.

IMPL is specialized in titaniums, aluminiums and steels.

MISSION

The company focuses mainly on machining of precision components for the aerospace industry and for general metalwork.

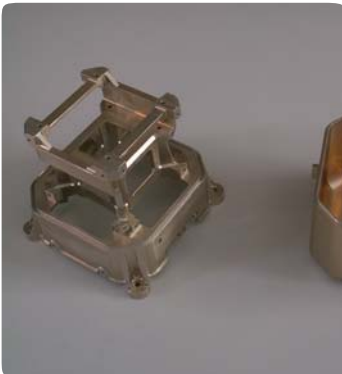
VISION

IMPL has a special vocation for titanium, aluminum and steel.



contacts:

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geral@impl.pt



PRODUCTION MACHINERY

- Software Cad-Cam:
 - Catia V5.
- Cnc Machine Centers:
 - Makino A55, continuous 4th axis, 60 tools, 2 pallets 400 x 400, 14 000 rpm;
 - Mori Seiki.
 - MH 40, continuous 4th axis, 60 tools, 2 pallets 400 x 400, 8 000 rpm;
 - MV 40A, with 4th Nikken axis, 30 tools, 600 x 450 x 500, 8 000 rpm;
 - MV 40B, 20 tools, 800 x 450 x 500, 8 000 rpm;
 - MV 45B-40, 30 tools, 800 x 450 x 500, 8 000 rpm;
 - MV Júnior, with 4th Nikken axis, 30 tools, 600 x 450 x 500, 8 000 rpm
 - Júnior, 16 tools, 600 x 450 x 500, 6 000 rpm;
 - Miyano TSV 35, 12 tools, 500 x 300 x 300, 8 000 rpm.
- Cnc Turning Center:
 - Mori Seiki, SL20, 10 tools, distance between centers : 500, 3 500 rpm.
- Conventional lathe:
 - Cazeneuve, 360 HBX.
- Vertical Milling Machine:
 - Holke, F-11-V.
- Control Methods:
 - 3D Measuring Machine: - Zeiss Contura G2 Direkt, 700 x 700 x 600;
 - Measuring columns: Trimos, 600 mm (V600C ; Vertical 3);
 - Granite Surfaces: Classe 0 (Dharla, 1600 x 1000 ; Microplan, 1000 x 630);
 - Profile Spot lights: Mitutoyo (PH350; PJ3000);
 - Micrometers (inside and outside): Bowers, Mitutoyo e Tesa;
 - Calipers: Sylvac;
 - Various Gauge tampons smooth and threaded.

CERTIFICATIONS

- Certified by APCER, with the Norm NP EN ISO 9001:2008;
- Certificate nº 04/CEP.2318 - quality system in "Mechanical precision design, tooling and manufacturing of single parts";
- Certificate nº 005-GQF-2004 for OGMA manufacturing metallic parts for aircrafts;
- This firm is taking part of the AICEP database.

4.9 MATERIALS TECHNOLOGIES

Kristaltek

COMPANY

In a demanding world and more competitive markets Kristaltek has born in 2009 with the aim of making difference trough quality and innovation in precision mechanics industry.

MISSION

Following Kristaltek' slogan "NO LIMITS FOR SOLUTIONS", Kristaltek mission is to supply the best products and services in terms of Quality, delivery date, competitiveness and client satisfaction.

VISION

Kristaltek aims to be a leading supplier of precision mechanics services with incidence in the Aeronautical, Defense and Medical markets.



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kristaltek@kristaltek.com

ACTIVITIES

- Aeronautical;
- Defence;
- Medical;
- Machines industries.

SOLUTIONS

Kristaltek is permanently investing in systems and processes, together with the training and development of its collaborators competences, assures solid bases for the future of its company and to - the one that is our main objective - meet or surpass its customer expectations.

Together with strict standards and professionalism its technical team has the necessary experience to carry out each one of the production phases, from technical drawing and programming, prototyping and pre-series milling till serial production phase. Equipped with modern installations endowed with up-to-date technology and competences Kristaltek is certain it can offer the best service.

Kristaltek desires to become your partner in discovering better solutions.

MARKETS

- Portugal;
- Spain;
- France;
- Germany;
- Brazil.

CERTIFICATIONS

Kristaltek is currently implementing ISO 9001 and AS9100 to meet its customer's expectations and the challenges of the future.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Grupo Moldoeste

COMPANY

All started in 1988 with a small toolshop of 12 employees – MOLDOESTE - based in the town of Marinha Grande, making moulds exclusively for local customers.

In 1998, MOLDOESTE move to its brand new facilities in the industrial area, made important investments in equipment, and started its international business. Since then one mould making company has been acquired – GRANDMOLD – and two more companies have been set up – CIEMP and MOLDOESTE PLÁSTICOS - with the sole purpose of being always ready to meet customers needs and offer them a wide range of services.



contacts:

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www.grupomoldoeste.com
mario.pereira@grandmold.pt

MISSION

- ALWAYS keep its customers TRUST and privilege long lasting partnerships with each one of them;
- Total quality: provide cost effective products and services;
- Having its customers benefiting from its team know-how and experience at every step of its projects and Specialization in different business areas;
- Work out innovative solutions in close team work with its customers;
- High productivity trough dynamic management;
- Permanent investment in equipment, technologies and personnel training;
- Promoting international expansion trough strategic alliances;
- Continuously finding new customers, new markets, new business areas.

PRODUCTS

From design, development, prototyping, tooling through to series injection, GRUPO MOLDOESTE enables the supply of the entire product development cycle.

No matter at which stage is your project, you can always benefit from the know-how and experience of our team. Your ideas and goals are carefully studied in search for the best technical options, such as:

- Technical advising and support;
- Complete project management;
- Conception and development;
- Project engineering;
- Rapid prototyping;
- Prototype moulds;
- Gas injection moulds;
- 2K moulds;
- Stack moulds;
- Over moulding tools;
- Control gauges;
- Mould test and diagnosis;
- Mould optimizing;
- Pre-series injection;
- Series injection;
- Mould maintenance;
- Mould repair;
- Mould modification.

SERVICES

GRUPO MOLDOESTE is a specialised global service provider in the development, design and production of high precision injection moulds and parts.

Small-scale and flexible production centres working along with a highly trained and participative project management team are the basis of our industrial group and the core of its success.

GRUPO MOLDOESTE results from the need of managing, coordinating and consolidating the activities and synergies of its 4 companies.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Multiwave Photonics

COMPANY

Multiwave was established in September 2003. The team includes highly experienced managers, scientists, engineers and technicians focused on resolving customer needs.

Multiwave's team formed over 15 years during which it implemented R&D, product development and industrial management activities focused on exploring the advantages and potential of fiber lasers and fiber-optic technologies. During this period the team published over 100 scientific papers in leading journals, filed over 10 patents and proved itself in industrial projects.

Multiwave operates in a custom designed facility near Porto, in northern Portugal, that includes a clean room for fiber-optic component fabrication and packaging, as well as facilities for product development, testing and manufacturing.

VALUES

- Trust;
- Growth;
- Teamwork;
- Innovation;
- Balance.

PRODUCTS

- MOPA-M Pulsed Fiber Lasers for Materials Processing and Laser Ranging;
- MOPA-PV Pulsed Fiber Lasers for Photovoltaics;
- MOPA-L Pulsed Fiber Lasers for LIDAR and Remote Sensing;
- Broadband / Narrowband ASE Sources at 1 μm ;
- Tunable Narrowband ASE Source at 1 μm ;
- PM and SPM Yb and Er Doped Fiber Amplifiers;
- Compact Laser Diode Driver - Lasers, SOAs, SLEDs.

SERVICES

Multiwave offers next generation pulsed fiber lasers that allow the user to control its key operating parameters in unique ways, as well as other types of innovative optical sources based on fiber-optic technologies.

STRENGTH

Multiwave's strength resides in the breath and depth of experience of its team in designing, developing, testing, engineering and integrating all key technologies and building blocks that are necessary to build reliable high performance fiber lasers: fiber-optic components, packaging, thermal management, real-time control electronics, firmware and user control interfaces.

PARTNERSHIP

Multiwave receives strong support from leading academic and industry experts, namely from Stanford University, USVenture Partners and MIT.

MARKETS

Multiwave operates globally, selling its products in Europe, North America and Asia.

CERTIFICATIONS

With a full commitment to deliver superb customer value worldwide with ISO 9001:2008 and NP4457:2007 quality.

This firm is taking part of the AICEP database.



contacts:

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www.multiwavephotonics.com
sales@multiwavephotonics.com



4.9 MATERIALS TECHNOLOGIES

Optimal

COMPANY

Optimal is a team focused on providing the Optimal Structural Solution for our customers' needs. Optimal is specialist in structural design, analysis and optimization, comprising both metallic and composite components. Optimal also have in-house manufacturing capability focused in composite structures.

Its experience has been gathered working for leading and demanding aeronautical and automotive companies, in high-end performance-driven projects.

MISSION

Optimal is to provide its customers with the Optimal Structural Solution for their needs.

Optimal provides its customers a fully integrated solution, allowing them to bring Optimal their own ideas and to leave with their prototypes or small production series.

Optimal evaluate the manufacturability and cost constraints in order to guarantee that, overall, the product is optimal for its use.



contacts:

OPTIMAL STRUCTURAL SOLUTIONS Lda.
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2645-019 – Portugal
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Fax: +351 210 997 789
www.optimal.pt
info@optimal.pt



ACTIVITIES

Optimal is focused on novel composite manufacturing technologies, based in Out of Autoclave. Optimal has experience in several technologies, and is continuously developing improved processes.

Concerning the aeronautical sector, its experience comprises both specific and non-specific design work. In the aircraft structural development cycle we have been involved in all major tasks from conceptual studies, through preliminary & detail design, and up to certification and testing.

Optimal non-specific experience covers structural methods development, materials qualification, test campaigns definition & coordination and R&D projects in novel composites manufacturing processes.

ENGINEERING SERVICES

- Stress analysis:
 - Empirical sizing;
 - Bespoke tools development;
 - FEA analysis;
- CAD:
 - Mechanical systems;
 - Composite components;
 - Moulds and tools;
 - Lay-up-manuals;
- Composites testing:
 - Test campaigns definition;
 - Tests coordination;
 - Tests realization.

MANUFACTURING

- Composite components;
- Composite moulds and tools.

MARKETS

Main markets are the aeronautical and automotive.

CERTIFICATIONS

EN 9100 aeronautical quality standart.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Palbit

COMPANY

1916 - Palbit (Initially Minas e Metalurgia) begins operations to grant the exploitation of the Mines of lead sulfide of Palhal (Portugal) and for the production and trade of metals and derivatives.

1941 - It was created the Rock Tools Division, for production of drilling tools.

The expertise, allows Palbit to expand to other activities, such as Metal cutting and non-metallic products (Cutting Tools Division) and the production of wear parts (Industrial Tools Division).

1954 - The cycle of hard metal is completed with the installation, of the production lines of Dust and mixtures of tungsten from tungsten carbide.

2003 - Palbit supplies several industries such as, automobile industries, Moulds & dies, Aerospace, general metallurgy.

PALBIT presently selling worldwide through a network of distributors, agents and representation offices, with a team of highly qualified technicians.

The use of high technology, allows Palbit to respond to the highest level of client's requirements.



contacts:

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palbit@palbit.pt

ACTIVITIES/SOLUTIONS

PALBIT is a reference brand as a global supplier of tungsten carbide tooling. Its products are recognized as technologically advanced, who incorporate years of knowledge, on highly complex metallurgy and materials science in tungsten carbide powders, high-speed steels, ceramics, diamond and other materials that are particularly resistant to heat, abrasion, pressure and wear.

PALBIT has an extensive range of solutions for industries as aerospace, automotive, mould & die, power generation and transmission equipment, oil and gas exploration our Cutting tools division produces tungsten carbide inserts and tool holders for turning, milling, threading, drilling for the most common metal cutting applications, the Industrial tools division manufactures a number of custom wear parts to fit our customer's specific needs, such as dies, mandrels, punches, parts for the chemical sector, drawing tools for tubes and bars, stamping tools, special wear parts, our Rock tools division, is specialized in tools for mine drilling and stone machining containing tungsten carbide, namely integral drills, rods, hand tools, blades, bits and others.

BUSINESS AREAS

- Cutting tools

The cutting tools business area designs and manufactures high-performance cutting tools for a variety of applications. Cutting tools are designed and production range from hard metal, ceramic or polycrystalline diamond.

- Industrial tools

In the wear tools business area we do all kind of special tools for different areas, like chemical sector, aeronautics, electronics, bearing and high-precision instruments.

- Rock tools

The Rock Tools business area has a wide range of solutions for the work on the quarries. This solutions includes drill equipments, finishing stone tools and drill steel equipment.

CERTIFICATIONS

Palbit aim for the excellence on its products, with strict control of the production process, as is attested by the standard ISO9001: 2000.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Plasdan

COMPANY

The Headquarters of the Plasdan Group are situated in Marinha Grande - Portugal. The Group is constituted by national companies of which Inamol, its mould manufacturer, that enables Plasdan to provide "in house made" moulds when necessary. Abroad, Plasdan is present through its own companies or representations in : Scandinavia, Germany, Benelux, the USA and India.

MISSION

Supply of flexible innovative solutions of high added.

VISION

Be market leader in flexible systems for the injection of multi-component.



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www.plasdan.pt
info@plasdan.pt



SERVICES

- Engineering;
- Project Management.

PRODUCTS

- Prototype / Pre-production tools;
- Production tools;
- Multi-component tools;
- Multi-component Injection;
- Moulding systems;
- Rotary Tables;
- Special machinery for multi-component/packaging.



SKILLS

PLASDAN supplies automotive customers with integrated engineering and tool making expertise:

- Project Management;
- Simultaneous Engineering;
- Prototyping;
- Rapid Tooling;
- Mould Making;
- Multi-shot Solutions;

MARKETS

Europe – USA – India – Brazil – Israel - Russia.

CERTIFICATIONS

- ISO 9001:2000.
- Patent registration:
 - Integrated injection-stretch-blow mould;
 - Injection unit with alternative spindle, convertible in 2 phase injection unit;
 - Combined system for the production of multi-component parts in thermoplastic on a conventional injection moulding machine;
 - Multi-functional hydraulic thermoplastic distributor applied for solar panels;
 - Patent pending for removable support for rotary tables.
- This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

PLY

COMPANY

PLY was founded in 2006 and has already established an important partnership with Finnish steel maker Outokumpu.

The company is based in Portugal and it is specialized in innovative design and prototyping. It is focused in providing solutions to customers in industries involving mechanical manufacturing, such as defense, electronics, transportation (including aeronautical), and others.

MISSION

Ply creates affordable innovation value for its customers by using state-of-the-art sustainable materials and technologies



contacts:

PLY Engenharia Lda.
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Fax: +351 214 406 811
www.ply.pt
info@ply.pt

COMPETENCES

- Project design and Management/Manufacture;
- New product development;
- Unmanned Aerial Vehicles;
- Renewable energy industry;
- Advanced High Strength Steel;
- Aluminium (extrusion/sheet);
- ML and FML (Metal & Fiber Metal Laminates);
- Lightweight Transport Solutions;
- Metal foams;
- Composites.

INNOVATION

PLY created an innovative concept for “coreless sandwich” structural panels with 3D cores generated from the material sheet faces. Its main characteristics are:

- Isotropic when compared with typical corrugated steel or channeled structures;
- Lightweight as it doesn't require any added core material;
- Added functionality and easy tailoring;
- High stiffness to weight ratios;
- Design to manufacturing technologies.

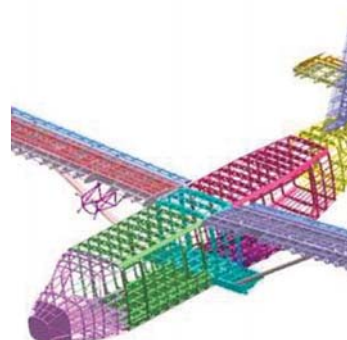
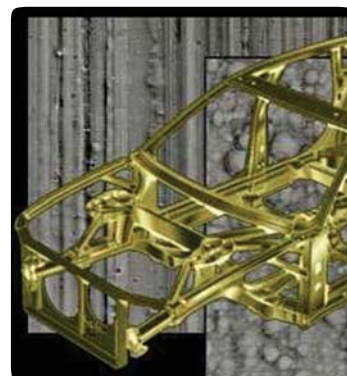
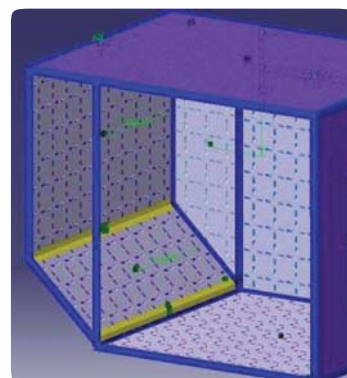
SOLUTIONS AND PARTNERSHIP

The OPENCELL concept is a TRL 2-3 project. In order to further develop it PLY established a partnership with OUTOKUMPU.

OUTOKUMPU is a Finnish stainless steel producer, that aims to be world leader in this field, very close to worldwide steel giants Thyssen and Arcelor.

This partnership had two immediate results:

- A patent request was submitted in Finland, having OUTOKUMPU as applicant. PLY retains special rights to explore the OPENCELL® technology;
- An over half a million R&D project was launched, partly financed by the Finnish government agency TEKES. Its aim is the technical development of this novel concept.



4.9 MATERIALS TECHNOLOGIES

Ribermold

COMPANY

Since 1987 Ribermold has specialised in the design, development and manufacturing of high precision moulds for the thermoplastics, light alloys die casting and in the milling of high precision metallic parts, investing in the cutting edge technology on the market.

MISSION

Ribermold mission is to gain its customers' respect and trust. These two qualities are never given, but must be earned on all levels. Ribermold provides the best and most competitive solution with the maximum performance; so that the confidence relied the company is not only a goal but also a natural consequence of its know-how and cutting edge technology.



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VISION

"Always doing better what we do best"



PRODUCTS

Most of the tools produced by Ribermold are tried in its own Test Center, CER in production process conditions for several hours always in the end to exceed the Quality and cycle times expected by its customers and partners.

Any time requested by its customers Ribermold has capacity to produce small quantity of production parts or high quantity ones including assembling and packaging. Ribermold has a wide experience, dynamic, motivated and flexible team of fifty people running on two shifts, enabling the company to work 24/7 when the situation calls for it. Ribermold deeply believes in continuous training of the whole staff, which is definitely the guarantee of the greatest wealth a company can have.



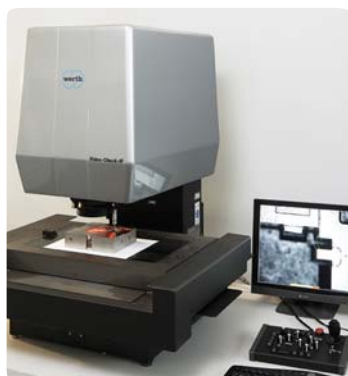
TECHNOLOGIES

- 3D Video Check Measuring Machine - Werth;
- 3D CMM Carl Zeiss Vista;
- Integrated Robotised System of CNC /EDM/Measuring (FMC – Flexible Machining Cellule);
- CMM Etalon Derby with PC Dmis;
- Profile Projector Mitutuyo;
- High Speed CNC Machines 3/5 axis.

CERTIFICATIONS

Ribermold is an ISO 9001 certified company since 2002 and is introducing now the Norm AS 9100. Ribermold is based on a full Management Quality Policy, from the communication to the excellence in after-sale assistance including the thorough respect for delivery times, Quality control, flexibility and continuous training of his whole staff.

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

TEandM

COMPANY

TEandM, S.A. is an innovative company founded in 2000 located in Coimbra.

TEandM develops an industrial activity of coatings and materials, using high technologies in continuous search for better solutions.

TEandM, SA. offers a high performance coatings capable of withstanding extreme conditions. Its technology is automated and geared towards high reproducibility coatings.

Continuing a strategy of support to the incorporation of value in the products of the several industrial branches, TEandM has been giving a growing emphases to the innovating development and investigation, as essential engines for obtaining technical, technological and scientific knowledge with transferring potential to national and international industries.



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ACTIVITIES

- Aeronautics;
- Automobile industry;
- Electric industry;
- Electronic industry;
- Technical Solutions;
- Service and support;
- Main Customers.

TECHNOLOGIES

- PVD (Physical Vapour Deposition)

Thin coating process (thickness of 2-5µm) in vacuum deposition where a material is, transformed in vapour, transported and finally deposited in the surface of the base material.

- Thermal Spraying

Process in which thermal energy is used to create a spraying of material onto a surface, in molten, semi-molten or plasticized state, to provide a coating.

- APS – Atmospheric Plasma Spraying;
- HVOF – High Velocity Oxi-Fuel;
- EAWS – Electric Arc Wire Spraying.

- Technologic solutions - advantages

- Higher components lifetime;
- Higher wear resistance;
- Higher corrosion and oxidation resistance;
- Thermal barrier properties;
- Lower maintenance and repair times.

R&D

Continuing a strategy to support the value incorporation in the products of the several industrial branches, TEandM has been giving a growing emphases to the innovation, development and research, as essential engines for obtaining technical, technological and scientific knowledge with transferring potential to national and international industries.

CERTIFICATIONS

ISO 9001:2000; EN 9100:2003; AS 9100 Rev. B

This firm is taking part of the AICEP database.



4.9 MATERIALS TECHNOLOGIES

Valinox

COMPANY

Resulting from the need to satisfy market niches in need of quality servicing provided with great flexibility and competitiveness, Valinox was established in 1981 in Macieira de Cambra by highly qualified and experienced technicians in designing, manufacturing, and installing stainless steel equipment for the Chemical, Food, and beverage Processing industry sectors.

Due to confirmed growth, in June 1994 Valinox moved to the new production facilities at Zona Industrial da Farrapa (19000 m2 total area and 3500 m2 of covered area).

In 1996 Valinox received the Technical novelty" award for the presentation of its must sprinkler Turnstile, Limos model, at tge 11 th Salón Internacional de Maquinaria Y Equipos para Bodegas y Embotellado, Spain.

Completing a process of modernization started in 2003, in March 2004 a new machinery site is installed focusing quality and productivity increases in the tank manufacturing sector.

MISSION

Valinox is committed to a continuous investing process on its production facilities modernization and staff training and attained market respect by the Quality and Competitiveness of its products, flexibility and availability of its resources, and rigorousness and earnestness of its commercial posture.



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valinox@valinox.pt



ACTIVITIES

Valinox

Some Areas of activity:

- Glues, Paints, Varnish and Chimiical Industries in General;
- Cosmectics and pharmaceutical Industry;
- Plastic Industry;
- Ceramic Industry;
- Cork Industry.

Valclimat

Some Areas of activity:

- Commercial Buildings, Offices, Hotels and restaurants;
- Hospitals, Clinics and Health Care Centers;
- Industrial Building and Pavilions.

ACTION AREAS

- Metal Mechanics

Valinox Machinery Division develops its activity, since 1981, in projecting, manufacturing and installing equipment and facilities intended for Storage, Movement and Processing of liquid, powder and granulated products. With a vast and solid experience, and having the most recent factory equipment technology, Valinox became expert in Storage, Homogenization, Mixing, Decantation, Fermentation, Thermal Exchange, Deaeration, Inertness, Weighing, Dosing, Pumping, Filtering, Piping Networks, Automation and Automatization Process Systems.

- Air Conditioning

The Valclimat Air Conditioning Division develops its activity, since 1986, in areas such as Design, Manufacture, and Installation of Air Conditioning, Heating, Environmental Air Treatment, Ventilation, Dedusting, Energy Recovery, and Process Control systems and also provides Inspection and Scour Pipe'Cleaning Services, and Servicing.

CERTIFICATIONS

In 1998, gets its Quality Assurance Syxtem Certification according to NP EN ISO 9002.

In 2003, Valinox updates its Quality Assurance System Certification according to NP EN ISO 9001:2000 and initiates the Environmental Management System Certification process according to NP EN ISO 14001:1999.

In July 2004 we get the Environmental Management System Certification according to NO EN ISSO 14001:1999

This firm is taking part of the AICEP database.



4.10 TEXTILE

CITEVE – Centro Tecnológico das Indústrias Têxtil e do Vestuário de Portugal
DEMARCA – Rodrigues & Santos, Lda.
MOLFIL – Gabinete Técnico de Apoio à Indústria de Bordados, Lda.
PENTEADORA – Sociedade Industrial de Penteação e Fiação de Lãs, S.A.

4.10 TEXTILS

CITEVE



contacts:

CITEVE – Techn. Centre for the Textile and Clothing Industries of Portugal
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 Fax: +351 252 300 317
 www.citeve.pt
 citeve@citeve.pt

COMPANY

With a work force including more than 100 highly specialized technicians working for 600 associated companies and 1500 costumers, Citeve and develops its activity of supporting technical and technologically the Portuguese companies in the following areas: Testing; Consultancy, Technical Assistance and Technology Transfer; Product and Process Technological Development; Human Resources Skills Improvement; Technological Surveillance and Knowledge; Certification; Industrial Property Rights; Fashion & Market Intelligence.

MISSION

To support the technical and technological development capacities of the Portuguese Textile and Clothing industries, through innovation encouragement and dissemination, promotion of quality improvement and also as an instrument for the definition of industrial policies for the sector.

VISION

Citeve vision is based on technological development and innovation.



PRODUCTS

Multifunctional clothing

- Functional textile materials for individual military equipment application;
- Vital signs (temperature, ECG, SpO2);
- Information technology embedded on textiles for military applications.

Automotive components

- Multi-axial textiles for composites;
- Anti vandalism products based on textile materials.

Functional textile materials

- Thermo-, photo-, aqua-, chemical-, bio- and piezo-chromatic;
- Odors absorption;
- Odors-, vitamin-, moisturizing-release;
- Cicatrizing;
- Water-, oil-, dust-repellent;
- Water-, win-proof;
- Acarus-, bacteria-, virus-, mosquito-protection;
- UV-protection;
- Thermoregulation;
- Pollution-protection;
- Flame retardant and self extinguish;
- Breathability.



CERTIFICATIONS

- Accredited Laboratories;
- Notified Organism for products certification in order to affix the CE marking in personal protective equipments (Protective clothing; Hand and arm protectors; Lifejackets and personal buoyancy aids);
- Standardization Entity – Textile, Clothing and Leather articles (except footwear and Morocco leather articles);
- Accredited Training Entity;
- Öko-Tex Standard 100 (Textiles Free of Harmful Substances for Health);
- Öko-Tex Standard 1000 (Ecological Production of Textiles);
- Öko-Tex Standard 100 plus (Textiles Free of Harmful Substances for Health, made through Ecological Production);
- UV Standard 801 (UV Protection);
- This firm is taking part of the AICEP database.



4.10 TEXTILS

DEMARCA

COMPANY

Demarca is a Portuguese Company operating since 1989, its core business is the design and manufacture of uniforms.

Demarca has mainly been working for the domestic market but the firm has already an accumulated experience in outside markets (Europe and Africa).

Its projects and proposals are always developed in cooperation with its customers, having in mind its corporate identity and brands image.

As Demarca target is to meet the needs and expectations of its clients, Demarca offers a personal customer service that supports the creativity and innovation of its propositions and solutions.

MISSION

To develop and update competences in the field of professional clothing allowing the company to answer the demand with high quality standards as well as to deal with the projects in a personalized manner. Another main goal is to keep a relationship with its customers in the long term.

VISION

To support the firm in the conception and optimisation of image.



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www.demarca.eu
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PRODUTS

- School Uniforms;
- Uniforms Proposal SAPO;
- Uniforms Proposal PT;
- Institutional Uniforms;
- Work Uniforms;
- Publicity Uniforms;
- Health and aesthetics;
- Hotel Uniforms.

SERVICES

Studies based on functionality, uniformity and flexibility applied to textiles.

Likeness Study's:

- Regimentals;
- Uniforms;
- Personality clothing;
- Handkerchief and necktie exclusive Design;
- Stamping, embroidery, etc..

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.10 TEXTILS

MOLFIL

COMPANY

The Molfil was founded in 1989. Its initial activity was the "mincing" of programs for embroidery. Subsequently, it started to provide the service in parts of embroidery for local customers. Over time it acquired machines providing capacity to supply more customers, diversifying the purpose of embroidery in textiles confections, footwear, marroquinaria, as well as badges for warehouse and expertise stores.

Starting in 2002 it broadened the range of products dedicating themselves to trade in other items such as t-shirts, poles, hats, patches, badges, insignias, badges, identification plates, caps, labels, and banners, Flags, among others.

The company drawing and production programs are for internal or external use. All the circulation of drawings and programs can be made by internet. Based on the quality of the program, born the embroidery quality.

Currently sells 80% of its output to multiple clients in various locations in the country, with the remaining 20% for customers from other European countries.



contacts:

MOLFIL

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 geral@molfil.pt



DEFENCE PRODUCTS

In the military area Molfil supplies articles such as Dog tags, plastic and weaved, insignia, t-shirts, uniforms, articles of representation (emblems, pin's, medals, standards) among others. Molfil supplies to the Oficinas Gerais de Fardamento e Equipamento of the army, the Portuguese Ministry of the Defence, all the air bases, Headquarters of the army (Viseu, Tomar, among others) and naval base.

SERVICES

The company makes embroidery service in clients parts. The used lines can be viscose, polyester, cotton or metallic. ou metálicas. Also it is possible to embroidery confectioned parts already as for example t-shirts, hats and jackets. In this case the service is more expensive and runs the risk to damage parts.

- Punching programs for embroidery machines - How much to the drawings to embroidery, they could be of the customer or suggested by the drawing office of the company. In all cases, **Molfil makes sample of the embroidery for confirmation** of the quality, dimension and colors;
- Laser cutting - **Molfil is owner of a system of cutting by laser with optical system.** Applications can be cutted for embroidery, of badges, textiles, skin, cards, etc;
- Engraving laser - Molfil has a powerful system of laser engraving. Both also can burn the surface of these materials, writing the desired design.
- Swarovsky "stones" - Molfil is owner of an application system for shinning and blemish. It can be used in textile and skin, simultaneously with embroidery or isolated.

CERTIFICATIONS

The Molfil is certified by the APCER according to norm ISO 9001:2000 in the services of Embroidering and production of Emblems.

This firm is taking part of the AICEP database.



4.10 TEXTILS

Penteadora

COMPANY

A Penteadora was established on April 25th 1930, is located in the center of Portugal, in a mountain region economically dependent of the textile and clothing industry.

Nowadays the company is directed not only to the yarn and worsted fabrics production, but also, and since the beginning of 2000, the technical and productive capacity has been implemented to produce both yarn and woolen fabrics.

The experience of the past and the technology of the future led A Penteadora to be recognized as one of the leading companies in the wool sector in Portugal and also one of the best European fabric producers with special emphasis on stretch fabrics, both elastan and natural stretch as well as fabrics specially developed for military and civil uniforms.

Such position is the result of the combination of factors such as permanent modernization, and adoption of management policies - Quality, Education, Design and both product and production development.

Because our priority is customer's satisfaction the investments realized are directed to quality in service, compatible with market demand. Because we believe that the success of the European textile industry is based on product innovation, we have created a technological structure to support the conception and development of new products and production processes.

Penteadora believes that such factors strengthen both Penteadora and its customers.



contacts:

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jslindo@paulo-oliveira.pt

ACTIVITIES

Wool worsted vertical company.

DEFENCE

In the military field Penteadora is the supplier of the Swiss, French (Margeco, SERCAT, Germaderie, Seloca), and the Portuguese Armed Forces.

PRODUCTIVE SECTIONS

- Spinning;
- Carding;
- Dye plant;
- Weaving;
- Finishing.

PRODUCTION CAPACITY

4.000.000 meters / Year.

CERTIFICATIONS

- A Penteadora was the first ISO 9002 certified company in Portugal. In March 2003 Penteadora has obtained the ISO 9001:2000 Certification;

- In 1996 the company obtained the ecological certificate Öko-Tex Standard 100, guaranteeing that products are produced according to ecological and non-aggressive environmental procedures harmless to the consumers;

- Created in 1960 our Textile Laboratory (LET) was accredited by the Instituto Português da Qualidade with the international standard ISO 45001 in 1993. Nowadays, our lab is accredited with international standard NP EN ISO/IEC 17025:2000 since 2002;

Penteadora Lab is also accredited by the European distribution groups Marks & Spencer

- Created in 1960 its Textile Laboratory (LET) is accredited by the IPQ with the international standard ISO 45001 in 1993. Nowadays our lab is accredited with international standard NP EN ISO/IEC 17025:2000 since 2002;

All the products are tested and the issue of test reports in Portuguese, English and French are possible;

- This firm is taking part of the AICEP database.



4.11 SERVICES

ALMA DESIGN – Conceito e Desenvolvimento de Design, Lda.

CELFINET – Consultoria Em Telecomunicações

INFOSISTEMA – Consultora em Sistemas de Informação

INTELI – Inteligência em Inovação

NOVABASE – Soluções Informáticas de Suporte de Gestão Empresarial

OUTSYSTEMS – Software em Rede

4.11 SERVICES

Alma Design

COMPANY

Almadesign is a Portuguese design company established in 1997. It provides consultant and project services in the Design Area, concerning different process steps, from concept and development to production and trade of products for national and international companies.

MISSION

Our mission is also to help companies and institutions manage and apply effectively all design related areas. Therefore Almadesign provides services in different fields like the design management, research and consultant.

COMPETENCES

Knowledge-based design, digital mock-ups, virtual prototyping, cost-effective design and manufacturing, computational tools for aerodynamics, drag reduction systems and tools, integrated design methods, ergonomic studies, cabin environment and thermal comfort studies, design for maintenance, man/machine interaction/crew performance studies, passive/active occupant safety equipment design.



contacts:

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almadesign@almadesign.pt



PRODUCTS

Concept studies, project development, prototype and production follow-up, promotion, trading, design consulting and advising.

Prototype Production Follow –Up

Interface between design, AND engineering and production. Prototype and production follow-up at the client's facilities. Final product design quality control.

SERVICES

In a transversal approach, the company has been involved in several areas of Design, such as transportation, industrial machinery, furniture, urban design, electronics, public and trade spaces, shows and performances.

PROJECTS

Technical development of the more viable and potential proposals from the previous stage. Product dimensional, formal and functional verification. Preliminary analysis and adjustment to engineering and cost constraints, ergonomics, safety and security, environment, maintenance, market legislation and current norms. Further concept adjustments to production processes, technology and selected materials.

MARKETS

Italy, Spain, Brazil, Holland and Mexico. Amongst the most significant companies, its working team shared experiences in Product Design Projects with companies, such as CENTRO STILE ALFA ROMEO - MILÃO, EMEF, MAZDA, SALVADOR CAETANO, CAETANO-BUS, EVOBUS, ICN, STEELSEPT, SCHREDER, IPE, ADIRA, ENGIGAS, ANIMOVEL, FERNANDO RODA, GAIN, TAPE, PROFITUS, CEQUAL, CML, MCDONALDS, TELECEL, VIZZAVI, L'OREAL, NESTLÉ, O ACASO.

PARTNERSHIP

INTELI, PEMA, FAP, CEIIA, IST, ISR, FEUP, INPI, CPD, UNI, IADE, EUAC, SPD-Milão.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.11 SERVICES

Celfinet

COMPANY

Celfinet is an international telecommunications service provider. Founded in 2003 and headquartered in Lisbon, Portugal, Celfinet is a privately held company. Holder of indisputable experience in its field and motivated by a strong will to innovate, Celfinet ensures high quality results to its clients and partners. In order to always be on the edge of wireless, fixed and information systems technologies, Celfinet's staff is enrolled on a permanent training program, seeking to bring the efficiency and quality of telecom consultancy services to a whole new level.

MISSION

Celfinet unique approach resides in the attention and flexibility Celfinet offers all parties in its business dealings and in providing a service that is perfectly adjusted to its surrounding business environment.

VISION

To become a world class telecoms consultancy business, distinguished by an outstanding ability to innovate and the excellence of its human capital, guaranteeing that its service offers unmatched value to its customers.



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geral@celfinet.com

SOLUTIONS

Celfinet is a telecommunications consultancy services provider that offers its customers knowledge and experience in mobile and fixed network engineering, allowing personalized solutions:

- Choosing from different options (resource complement, activities outsourcing, consultancy);
- Understanding the several phases of the mobile network life cycle (outdoor and indoor planning, optimization, performance assessment);
- Analyzing transport, transmission and fixed access networks (audits, performance, optimization and planning);
- Working on diverse technologies (GSM, GPRS, UMTS, CDMA2000, HSPA, WiMAX, WiFi, SDH, WDM, IP, MPLS, DSL, GPON...);
- Accommodating different activities (project management, engineering, measurements collection,...);
- Developing R&D Projects with Celfinet Innovation;
- Delivering training activities with Celfinet Academy.



PROJECTS IN THE AEROSPACE

Celfinet has a strong willingness to start contracts/projects in the aerospace sector.

Areas of expertise in the aerospace sector:

- Hardware: RF Design; Baseband Design; DSP and FPGA; PCB Design; Specific Software and Hardware; Modeling;
- Software: System Design; Database; Software Application; Software Integration;
- Services: Wireless Planning; Wireless Optimization; QoS Assessment; Backhaul; Network Management and Security.



MARKETS

Celfinet is a worldwide services provider, having permanent offices in (Lisbon – HQ, Porto and Covilhã), as well as in Brazil, Mozambique and Macao.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.11 SERVICES

Infosistema

COMPANY

Founded in 1996, Infosistema is a consultancy company that provides professional services on consulting, technology and outsourcing, specially on financial markets. Having vast expertise in several financial markets in areas such as Anti Money Laundering or Real-Time Fraud Detection.

Infosistema Compliance Solution is a comprehensive solution to support the compliance requirements of a bank or insurance company.

Infosistema Fraud Detection is an application designed to be step ahead of possible fraudsters inside a financial institution.

Infosistema Transaction Monitor is an easily integrated module, that can be used by itself, and it was designed to monitor in real-time.



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comercial@infosistema.com

MISSION

Enable customers to increase their productivity through innovative technology products and services.

Infosistema aims for continuous growth, profitability, satisfaction of its employees and customers.

VISION

Become a leader in IT Consultancy, Technology and Outsourcing, by pursuing innovation and excellence in its products, services, employees and partners.

SOLUTIONS

- Human Behaviour Modeling

The latest example of its research in the human behaviour modeling software, capable of detecting human behaviour patterns and deviations. Through automatic data collection of common executed tasks of the organization employees or clientes it is possible to determine normal and abnormal patterns.

This patterns are extremely useful in detecting changes in behaviour that could indicate risks, security breaches, or opportunities. Infosistema software can be a major help in human resource management in large organizations.

- Optimization of Operacional Processes

Infosistema helps organizations to overcome the challenge of optimize their operation and management processes.

Infosistema has a vast experience in the Public Sector, with special emphasis at the national level organizations. In the Private Sector Infosistema works mainly with Banks, Telecoms and Utilities.

Infosistema methodology allows consistent implementations of business processes, with significant improvement in process quality and in reduced cost of operation.

R&D

During the last 5 years Infosistema spends between 5% and 10% of its turnover in the R&D unit in search for new technologies and software.

The technologies developed comprehend different research fields such as analysis and modeling of human behaviour or natural language parsing.

Infosistema frequently builds consortiums with private and governmental organizations in order to create special research work groups.

CERTIFICATIONS

Infosistema is a certified partner of Microsoft, Oracle, Outsystems, FrontRange and Primavera SW. It is also certified by APCER in accordance with ISO 9001:2000 Standard.

This firm is taking part of the AICEP database.



4.11 SERVICES INTELI

COMPANY

Inteli is a think-tank focussed on innovation and working on Industrial development and Regional development. It develops ideas, information and knowledge to support the development of public policy and the decision of industry, cities and regions.

MISSION

Inteli's mission is to contribute to the sustained development of the Portuguese economy working with strategic sectors to enhance the competitiveness of economic agents and support the definition of the strategic framework for these sector.

VISION

Foster the development of the Portuguese defence technological and industrial base to support national Armed Forces and supply the defence sector worldwide. Inteli envisions the evolution of the public acquisitions policy to foster industrial participation associated to national military acquisitions.



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SERVICES

- Prospective analysis of markets, technologies and products;
- Mapping of Technological and Industrial Base;
- Strategic information systems;
- Support to the definition of public policy;
- Support to the internationalization of Portuguese companies;
- Support to the attraction of Foreign Direct Investment;
- Support to the establishment of private and public partnerships;
- Strategic consultancy to the industry and public entities;
- Supply chain organization.

PROJECTS – AERONAUTICS & DEFENCE

- Study related with the development of the National Defence Technological and Industrial Base (DTIB) (2007 to present);
- Mapping of the national technological and industrial base with competencies in the Aerospace and Defence sectors (2006);
- Creation of a knowledge base on unmanned aerial vehicles (UAV) and related systems, developing a network composed by national stakeholders – UAV PT (2005 to present);
- Consultancy related to offsets (2001 to present);
- National representation of industrial groups and national public entities in discussion forums related to Aeronautics and Defence (2003 to present);
- Promotion and coordination of PEMAs network representing the Portuguese supply chain for the Aeronautical sector (2003 - 2005);
- Creation of a knowledge base on Aeronautics, Defence, Offsets and public policies related with the sector, made available to the stakeholders through the following publications: AeroBrief, Industry Brief, Market Brief, Technology Brief and other thematic documents (2003 to present);

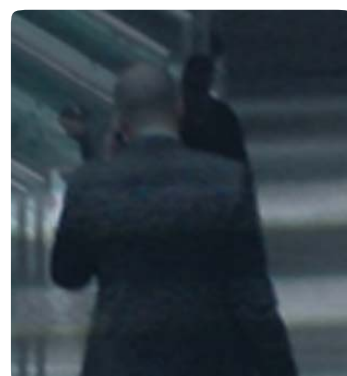
MARKETS

Aeronautics & Defence; Automobile & Mobility; Energy; Information Technologies & Communication.

CERTIFICATIONS

NATO SECRET.

This firm is taking part of the AICEP database.



4.11 SERVICES NOVABASE



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COMPANY

1989, Novabase has been accumulating experience, Novabase has made discoveries, raised new questions, progressed as a team, gathered abilities and reached success. Here is Novabase history.

MISSION

To design, deploy and manage IT business solutions.

Novabase is the leading portuguese company in Information Technology (IT) business solutions and one of the european IT sector's fastest-growing companies in recent years.

VISION

Novabase is the leading Portuguese company in Information Technology (IT) business solutions and one of the European IT sector's fastest-growing companies in recent years.

At the start of 2008, Novabase had taken on the dual objective of focusing on its core business to maximize profitability and sustainability, and of closing its mobility solutions business.



ACTIVITIES

- Government - Novabase combines its vast experience in Portugal's public administration market with technology expertise;
- Financial Services - It's the IT integrators' responsibility to identify the business drivers and the inefficiency points in the models or in the processes of each institution;
- Telecommunications - The challenge for the operators lies in their knowledge level about their customers and based on this information;
- Transportation - The developed ticketing solutions are very innovative, especially due to betting in the multi-modal use, many times combined with "park & ride".

SERVICES

- Advanced Custom Development Novabase's Custom Developed area is responsible for addressing the customers' requirements;
- Business & IT Consulting Business & IT Consulting products and services aim to provide customers;
- Business Intelligence Systems including Data Warehousing & Operational Data Storing, Data Marting & EISs and Data Mining solutions;
- Enterprise Applications & Integration Experience and expertise in developing business solutions;
- Financial Services As a major factor in the Novabase universe, the area of finance has grown substantially in the last few years;
- Government & Healthcare As a fundamental traditional market where the technological expertise and know-how;
- Multioutsourcing Services The customer companies may benefit reductions and financing needs;
- Telecommunications & Media to use Information Technologies as a competitive distinction;
- Ticketing & Access Control The developed ticketing solutions are very innovative.

CERTIFICATIONS

1994, become the first Portuguese company in software development market to be certified by IPQ – Instituto Português da Qualidade (Portuguese Institute for the Quality), according to standard NP EN ISO 9001.

This enterprise is authorised by the MOD to develop activities related to defence armaments industry. Besides that this firm is taking part of the AICEP database.

4.11 SERVICES

Outsystems

COMPANY

OutSystems is a software company providing the industry leading All-in-One Agile Suite, the first unified solution to address the full life cycle of delivering and managing web business applications, based on agile methods. The Agile Suite is comprised of the Agile Platform and Agile Network.

The Agile Platform has been used to successfully develop, integrate, deploy and manage agile web business applications in over 4000 IT environments across 138 countries

MISSION

Enable organizations to rapidly deliver new web business applications that drive new, often innovative, business processes making them more competitive in the market. Agility is the keyword for OutSystems and its customers.

VISION

OutSystems is seeing a revolution in the way companies view application development. Tradeoffs such as buy a package vs. build a custom application are being abandoned for an Agile approach using an application delivery and management capability like OutSystems All-in-One Agile Suite. The future is bright for this breed of application development and OutSystems is committed to delivering these same benefits to companies around the globe.



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PRODUCTS

- All-in-One Agile Suite;
- Agile Platform;
- Agile Network;
- Embedded Change Technology.

SERVICES

The OutSystems advantage is based on the ability to deliver web based business applications using a combination of software, processes and services that is transforming traditional IT approaches and making it both cost effective and low risk to deliver custom applications that directly meet business needs. More and more OutSystems is seeing its customers abandon plans to purchase packaged software for their business and select OutSystems or one of its partners to deliver a custom solution that really drives business value and has a lower total cost of ownership.

By combining the high productivity levels of the platform with the Agile methodology, changing an application is a natural and positive decision that will increase business value. Maintaining IT alignment with the business is the main challenge of today's IT departments and it will continue to be, as the need for change increases with competition, shorter product cycles and legislation modifications, among others. The more fast-paced a company is, the more it will need a flexible and agile approach to application delivery.

MARKETS

OutSystems currently have over 100 customers, mainly in Europe and in the US. Internationalization has been an objective since day 1. Our value proposition makes sense in the global market, the problems we solve are faced by all companies. By leveraging the success OutSystems have had here in Portugal they are able to drive new business in the US and North European markets.

CERTIFICATIONS

This firm is taking part of the AICEP database.



4.12 RESEARCH

CeNTI – Centro de Nanotecnologia e Materiais Técnicos, Funcionais e Inteligentes

FEUP – Faculdade de Engenharia do Porto

GEMAC – Grupo de Emissões, Modelação e Alterações Climáticas

INEGI – Instituto de Engenharia Mecânica e Gestão Industrial

Inesc-ID – Instituto de Engenharia de Sistemas e Computadores: I&D – Lisboa

Inesc-ID – Instituto de Engenharia de Sistemas e Computadores: I&D – Porto

IPN – Instituto Pedro Nunes – Ass. para a Inovação e Desenv. em Ciência e Tecnologia

IST – Instituto Superior Técnico

LEPAE – Laboratório de Engenharia de Processos, Ambiente e Energia

LNEG – Portuguese National Laboratory for Energy and Geology

LSRE – Laboratório de Processos de Separação e Reacção

PLANETAVIVO – Centro de investigação ambiental

UBI – Universidade da Beira Interior

UETN – Unidade de Engenharia e Tecnologia Naval do IST- CENTEC

Other companies worthy of reference:

CESAM (Centro de Estudos do Ambiente e do Mar)

Centre for the unknown

CIAFA – Centro de Investigação da Academia da Força Aérea

CINAV – Centro e Investigação Naval

CNBC – Center for Neuroscience and Cell Biology & Faculty of Pharmacy

FCUL-LOLS – Laboratório de Óptica, Lasers e Sistemas

GRID-DAPS – Division of Armour & Protection Systems

IDMEC – Instituto de Engenharia Mecânica - Pólo FEUP

ITQB – Instituto de Tecnologia Química e Biológica

LBDB – Laboratório de Bromatologia e Defesa Biológica

LEDAP – Laboratório de Energética e Detónica - Associação de Apoio

LNEG – Laboratório Nacional de Energia e Geologia

NanoPore Solutions

OceanScan-MST

TECNIMEDE – Sociedade Técnico-Medicinal

4.12 RESEARCH

CeNTI



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 www.centi.pt
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INSTITUTE

CeNTI is a private, non-profit Institute whose founding associates are: CITEVE (the Technological Centre for the Textile and Clothing Industries), the University of Minho, the University of Porto, the University of Aveiro and CTIC (the Technological Centre for the Leather Industries). The Centre's strategy is focused on RTD activities that are industry-driven and solution-oriented, carried out by consortia of teams based in Technological Centres, Universities and Industry (comprising manufacturers of conventional and nonconventional products).

VISION

To contribute through nanotechnology, integration of smart materials/solutions and materials functionalisation to the development of efficient, economically-viable and environmentally friendly processes and products related to the textile and leather sectors;

To develop new nano/advanced materials aiming at enhancing human health, well-being and performance, with a special focus on fashion, sports, outdoor and leisure activities, protective clothing, renewable energies (Photovoltaic), medical applications, civil engineering, automotive and aeronautic industries;

To develop usage simulation techniques to assess the performance of products and technologies to be investigated (focussing on materials/products and on human physiological responses).



ACTIVITIES

- Surface Engineering;
- Functional and Smart Materials;
- Advanced Fibres and Webs;
- Usage Simulation;
- Performance Evaluation.

EXPERTISE AREAS IN THE AEROSPACE SECTOR

- Smart materials;
- Flexible Sensor-actuators;
- Flexible Photovoltaics;
- Materials engineering and development;
- New coatings (PVD, CVD, PML – Polymer Multi Layer);
- Circuits printing.

PROJECTS

- Dephotex – Development of Photovoltaic Textiles Based on Novel Fibres
The goal of the project is to reach and develop textile solar cells in order to get flexible photovoltaic textiles, based on novel fibres allowing taking benefit from the solar radiation so as to turn it into energy. This project with a consortium of 16 European entities, offers a range of useful applications in a variety of consumer application sectors: home textiles, sports, leisure, clothing, automotive industry.

- Yeks

This project purpose is the development of a multi-functional jacket in which textile materials are combined with sensor/actuating components and information/communication technologies targeted for use in extreme environmental conditions, particularly the ones in climbing.

CERTIFICATIONS

This institute is taking part of the AICEP database.



4.12 RESEARCH FEUP

FACULTY

With origins that go back to the 18th century, the Faculty of Engineering of the University of Porto adopted this designation in 1926, having occupied the former facilities at Rua dos Bragas after 1937. Nowadays, FEUP has new facilities at the Pole II of the University of Porto.

MISSION

Education of international level engineering professionals, sustained on excellence Research and Development with regional focus but with quality recognized at a global level and in a practice of extension of recognized quality, considering the scientific, technique, ethics and cultural competences.

VISION

FEUP intends to be recognized as a national and international reference among engineering schools, both on training and research level, and considers the intellectual, scientific and technical potential of its human resources the main tool to achieve this goal.

FEUP graduate students must be competitive in the global labour market as well as agents of change in the entrepreneurial network. FEUP will act with the global recognized quality in all operations of the factory of knowledge, since the investigation of fundamental character to the technical prototype and to the technology transfer, directly or through national or international partnerships, business-related or institutionals.



Universidade do Porto

Faculdade de Engenharia

FEUP

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DEPARTMENTS

- Civil Engineering;
- Electrical and Computer Engineering;
- Mechanical Engineering and Industrial Management;
- Metallurgical and Materials Engineering;
- Mining Engineering;
- Chemical Engineering;
- Physics Engineering.

INFORMATION

- FEUP Technology Portfolio

It is a website that disseminates FEUP's R&D results in order to facilitate the Tech Transfer to the Industry. This instrument does not intend to be an exhaustive presentation of all RTD done by its researchers. FEUP main goal is to disseminate those technologies that present more commercial/industrial added value and that can be more appealing to the market. FEUP Technology Portfolio is the first approach to a wide dissemination of its technologies.

- Intellectual Property

The Faculty of Engineering of the University of Porto believes that the research and development (R&D) activity is a primary objective to acquire new knowledge.

The Regulation of Intellectual Property (IP) of the University of Porto appears as an objective to protect R&D activities and the exploration of the results obtained, promoting the use and transference of technology into the society.

R&D

Research and Development Centres

- Interface Institutes;
- Competence Centres.

Scientific production

- Research Projects;
- Publications.

CERTIFICATIONS

This faculty is taking part of the AICEP database.



4.12 RESEARCH GEMAC



contacts:

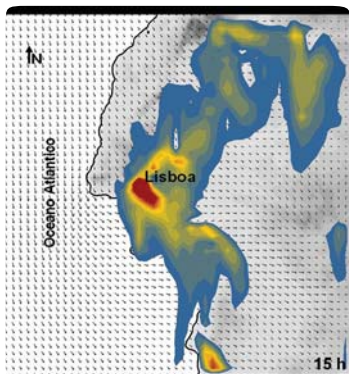
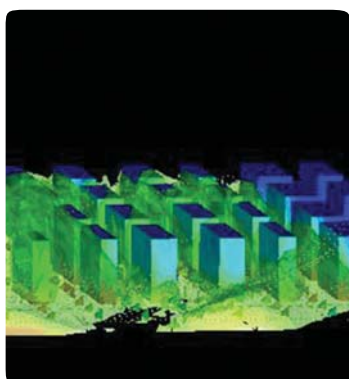
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MISSION

GEMAC (Group of Emissions, Modelling and Climate Change), develops work of research and development for the study of the atmospheric processes, having as main purpose to understand air pollution phenomena, to find the adequate solutions and to develop support systems for management decisions of ambient air quality.

VISION

The terrorist attacks in U.S.A., Spain and United Kingdom, led to a new concept of security, mainly related with the accidental/deliberated release of chemical and biological agents, which are carried by air, without borders. In this context, GEMAC favours the growing interest on the influence and the effects of natural and man-made threats to the atmospheric environment, human health and property as well as the collaboration with national and international, public and private entities.



STUDIES

Studies on various scales of atmospheric pollution problems - from local (level of the street canyon or district) to regional or global (for Europe), or from short to long term - occurring in different scientific domain - physical and numerical modelling, meteorology and climatology, chemical and biological processes. In the context of the development of emergency protocols and reply to the chemical and biological agents release.

PROJECTS

- ACCENT
Atmospheric Composition Change: the European Network of excellence.
- COST 728
Enhancing mesoscale meteorological modelling capabilities for air pollution and dispersion applications.
- COST 732
Quality Assurance and Improvement of Micro-Scale Meteorological Models.
- ENSEMBLAIR
Improving air quality assessment with ensemble modelling.
- FUMEXP
Fire-fighters smoke exposure and related health effects.
- INTERFACE
Effect of wildland-urban interface fires on air quality.
- PAREXPO
Particulate Matter in Ambient Air and Human Exposure.
- SaudAR
The Health and the Air we breath.

R&D

- Atmospheric pollutants emissions;
- Air quality modelling;
- Urban sustentability;
- Air quality;
- Forest fire;
- Climate change;
- Human confort, health and risk.

4.12 RESEARCH INEGI

INSTITUTE

INEGI was created within the Department of Mechanical Engineering and Industrial Management of the Faculty of Engineering of University of Porto, in 1986, INEGI became able to carry out R&D and innovation activity. INEGI is part of LAETA-Associated Laboratory for the areas of Energy, Transports and Aeronautics, which has been recently homologated by the Portuguese Government.

MISSION

INEGI mission is to "Contribute to the increase of the competitiveness of the national industry, through R&D, Technology Transfer and Training, in the fields of engineering design, materials, production technology, energy and industrial management".

VISION

INEGI aims to be an institution of reference at a national level and a relevant element at the Technological and Scientific European System, with Merit and Excellency in Research and Development activities, in Technological Innovation bases and in Technology and Knowledge Transfer.



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AEROSPACE INDUSTRY

In the last years, INEGI is developing successfully, R&D projects in the aerospace industry in collaboration with ESA and NASA:

- Project "Increase of Bolted Joint Performance for CFRP Structures", whit ESA;
- Project "Increase of Bolted Joint Performance for CFRP using hybrid laminates", whit ESA;
- Project "Modelling of Porous Shells" whit ESA;
- Project "Non-conventional Matrix/Carbon Nano-tubes Reinforced Composite For Applications In Space" whit ESA;
- Project "New Thermoplastic Based Composites For Highly Demanding Space Applications" whit ESA;
- Project "Progressive Failure Analysis of Advanced Composites" whit NASA.

SERVICES

PIBRAC European Project image (<http://inegi.inegi.up.pt/ofertaidi.asp>).

PRODUCTS/COMPETENCES

ESA collaboration image (<http://inegi.inegi.up.pt/competencias.asp>).

PROJECTS

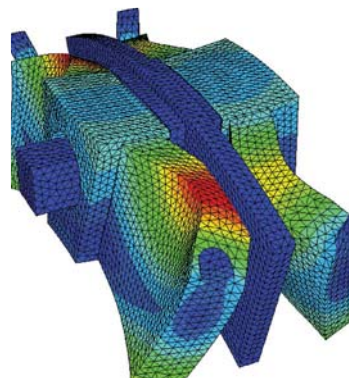
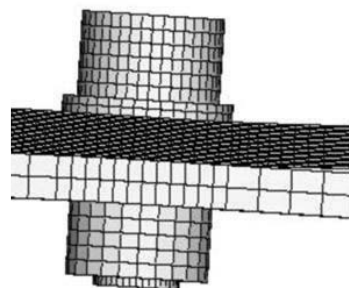
EDEN;
BIOMON;
LITEBUS;
CASAM - Civil Aircraft Security Against Manpads.

MARKETS

INEGI action is focus in all the areas connected to the universe of Mechanical Engineering and Industrial Management such as services and Research and Development and technology transfer activities.

CERTIFICATIONS

INEGI is a CERN, ESA and NATO accredited supplier. INEGI also has two Laboratories with accreditation from the Portuguese Accreditation Institute (IPAC) - The Reaction to Fire and Smoke Laboratory and the Environment Characterization Laboratory. This institute is taking part of the AICEP database.



4.12 RESEARCH

INESC - Lisboa

INSTITUTE

INESC-ID was created in 2000 as joint venture between Instituto Superior Técnico and Instituto de Engenharia de Sistemas and Computadores. It integrates more than 60 PhDs and 100 pos-graduation students.

INESC-ID is a not for profit, privately owned, institution, with the status of “public interest”, dedicated to advanced research and development in the domains of electronics, telecommunications and information technologies.



contacts:

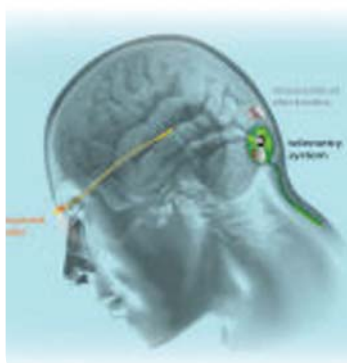
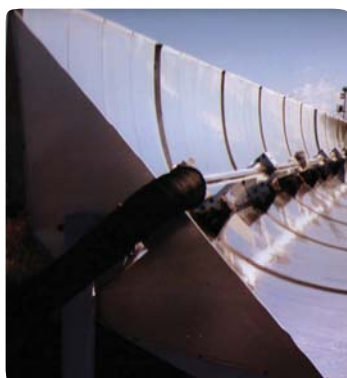
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MISSION

INESC-ID mission is to develop tomorrow's technologies by excelling in research, today. The main objectives of INESC-ID are the execution of state-of-the-art scientific research in the information technology, communications and electronics domains, advanced training of human resources and technology transfer, achieved through research and development (R&D) contracts with companies. It is furthermore the aim of INESC-ID to contribute to the European Research Area (ERA) through its core and differentiating competences. In cooperation with other institutions, perform technology transfer, support the creation of technology based startups and provide technical support.

VISION

INESC-ID is dedicated to advanced research and development in the domains of electronics, telecommunications and information technologies.



SERVICES

Embedded Electronic Systems

- Algorithms for Optimization and Simulation;
- Analog and Mixed-Signal Circuits;
- Control of Dynamic Systems;
- Quality, Test and Co-Design of HW/SW Systems;
- Signal Processing Systems;
- Electronic System Design and Automation.

Information and Decision Support Systems

- SW Algorithms and Tools for Constraint Solving;
- Knowledge Discovery and Bioinformatics;
- Software Engineering;
- Data Management and Information Retrieval;
- Information Systems;
- Distributed Systems.

Communication Networks and Mobility

- The main objectives of the research laboratory are to carry research and development activities in the architecture of communication networks and on the mobility aspects of communication.

Virtual Interactive Environments

- Software architectures for virtual environments, with emphasis on image synthesis algorithms, intelligent agents programming and effectively using component based design and development patterns.

Intelligent Agents and Synthetic Characters

Visualization and Intelligent Multimodal Interfaces

Computational Processing of the Portuguese Language

- INESC-ID has three major sources of financing: national projects of R&D, funded by FCT; international projects of R&D, funded by the European Community; development projects funded directly by direct contracts between INESC-ID and national or international companies.

CERTIFICATIONS

INESC ID is a Private Not-for Profit Research Institute declared of Public Interest in September, 23, 2004.

INESC-ID was awarded the status of “Laboratório Associado” in December of 2004. This institute is taking part of the AICEP database.

4.12 RESEARCH

INESC- Porto

INSTITUTE

Established in December 1998, INESC Porto's associates include INESC, the University of Porto and the Faculties of Engineering, Science and the Polytechnic Institute of Porto.

INESC Porto is a private non-profit association recognised as Public Interest Institution, appointed as Associated Laboratory (LA) by the Ministry of Science, Technology and Higher Education (MCTES).

MISSION

- To undertake R&D activities in specific areas, generating internationally competitive science and technology;
- To act as an effective interface between the university and companies, public institutions and services, through contract research, technology transfer, specialised consulting services and advanced training;
- To actively contribute to the development of the Portuguese science and higher education system and promote its continuous adaptation to societal needs.



contacts:

INESC Porto - Instituto de Engenharia de Sistemas e Computadores do Porto
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ACTIVITIES

- Support Technologies for Network Audiovisual Applications - audio and video processing, networks and services, and multimedia systems;
- Power Sector and Integrated Territorial Planning – grids, markets and integrated territorial planning for energy and environmental purposes;
- Optical Fibre Multi-Parameter Sensor Devices and Networks;
- Business Cooperation Networks – information technologies, logistics and management in business cooperation networks;
- Land and underwater mobile robots, multi-agent cooperation.

AREAS OF INTERVENTION

- Telecommunications and Multimedia;
- Power Systems;
- Manufacturing Systems;
- Information and Computer Graphic Systems;
- Optoelectronics and Electronic Systems;
- Innovation and Technology Transfer;
- Artificial Intelligence;
- Advanced Computing Systems;
- Industrial Management;
- Automation and Robotics;

APPLICATION DOMAINS

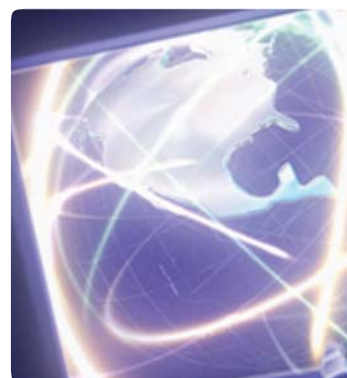
- Instrumentation;
- Telecommunications;
- Environment;
- Energy;
- Health.

CLIENTS/PARTNERS

REN, EFACEC, EDP, IVDP, APDL Fraunhofer Portugal, Portugal Telecom Inovação, Telefonica I+D, Lirrel, Kyaia, Fibersensing, Unicer, in Serralves.

CERTIFICATIONS

This institute is taking part of the AICEP database.



4.12 RESEARCH IPN

INSTITUTE

Founded in 1991, the Instituto Pedro Nunes (IPN) — Association for Innovation and Development in Science and Technology — is a non-profit private organization. It promotes innovation and the transfer of technology, establishing the interface between the scientific and technological system and the production sector.

MISSION

To leverage a strong university / enterprise relationship for the promotion of innovation, rigor, quality and entrepreneurship in private and public sector organizations, by acting in three complementary areas:

- Research and technological development, consultancy and specialized services;
- Business and ideas incubation;
- Highly specialized training and promotion of science and technology.

BUSINESS AND IDEAS INCUBATION

IPN promotes the creation of spin-off companies by giving support to innovative and technology-based ideas generated by its own laboratories, institutions of higher education, the private sector, and RTD projects in consortia with industry. The incubator, managed by an autonomous association, IPN-INCUBADORA, provides enterprises with an easy access to the scientific and technological system and an environment.



contacts:

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 Fax: +351 239 700 912
www.ipn.pt
info@ipn.pt



COMPETENCES

According to market solicitations, IPN has a differentiated actuation, on the technological and specialized domains of each Laboratory, such as:

- Automation, modernization, robotization and optimization of industrial production lines;
- Monitoring (Wireless Sensor Networks, RFID, Ibuttons® and SmartCards);
- Resolution of problems related with metals and metallic alloys exposed to humid atmospheres, in maritime and chemicals. >Diagnosis of corrosion problems;
- Modification of surface properties of materials by physical vapor deposition - PVD-magnetron;
- Recovery of inorganic wastes;
- Characterization of cutting processes;
- Mobile Computing;
- Healthcare and Medical Solutions (HMS);
- Information Systems;
- Internet Technologies and Solutions;
- Communication Systems Engineering;
- Security in Communications and Systems;
- Intelligent Systems;
- Distance Learning.

R&D

IPN has its own technological infrastructures – six laboratories – besides accessing a network of researchers in the scientific and technological system, particularly from the University of Coimbra, mainly through the Faculty of Sciences and Technology:

- LABGEO – Geotechnical Laboratory;
- LABPHARM - Pharmaceutical Sciences Laboratory;
- LAS - Laboratory for Automation and Systems;
- LEC - Laboratory of Electro-analysis and Corrosion;
- LED&MAT - Laboratory of Wear, Testing and Materials;
- LIS - Laboratory of Informatics and Systems.

CERTIFICATIONS

This institute is taking part of the AICEP database.

4.12 RESEARCH IST

INSTITUTE

Since its creation in 1911, Instituto Superior Técnico is the largest and most reputed school of engineering, science and technology and architecture in Portugal. IST gives its students and alumni the education and the knowledge tools to improve, to change and to shape society through science, technology, and entrepreneurship. IST provides top quality higher education, strongly exposed to research, development and innovation (rd&i) activities, immersing its students in an exciting and global environment geared towards solving the challenges of the XXI st century.

MISSION

The mission of IST is to contribute to the development of society by providing high quality Education in the areas of Engineering, Science and Technology, at undergraduate and postgraduate levels as well as lifelong learning, and by carrying out Research, Development and Innovation activities in accordance with the highest international standards. IST is one of the schools of the Technical University of Lisbon (Universidade Técnica de Lisboa (UTL)), together with Faculdade de Medicina Veterinária (FMV), Instituto Superior de Agronomia (ISA), Instituto Superior de Economia e Gestão (ISEG), Instituto Superior de Ciências Sociais e Políticas (ISCSP), Faculdade de Motricidade Humana (FMH) and Faculdade de Arquitectura (FA). Currently attend UTL around 20.000 undergraduate and 3.500 postgraduated students. The seven schools taught 50 undergraduate courses, 88 postgraduates, 49 areas of doctoral, 42 higher degrees, which does not confer degrees, and 2 Specialization courses.



contacts:

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www.ist.pt

OBJECTIVES

Instituto Superior Técnico was established with the objective of providing the country with Engineers with know-how and the necessary skills to succeed in their professional lives, while simultaneously contributing to the economic development of the country. Today, IST offers undergraduate programmes, attended by over 8900 students, covering a wide range of areas of knowledge, which, include not only the traditional engineering specialisations but also other more modern areas such as Biological Engineering, Biomedical Engineering, Aerospace Engineering and Physics Engineering. Postgraduate training is also important, with more than 1500 students distributed among 26 doctoral areas and various third degree programmes. This is made possible by a highly-qualified teaching staff, over 760 have doctorates, and a highly efficient organisation of services.

Today, IST is recognized for its high quality education and R&D, in a growing synergy with the economic sector. IST is considered, in Portugal, and abroad, as a High Quality Engineering, Science and Technology School, which is able to rival with the best Schools worldwide, in their areas of competence.

R&D

Research and Development at Instituto Superior Técnico is carried out essentially in Research Institutes, Centres and Groups, which integrate teachers and researchers linked to the several departments of IST.

Some of these units obtain pluriannual funding from the Ministry of Science, Technology and Higher Education, and have been subject to an external evaluations, conducted by recognized international experts, coordinated by the Foundation for Science and Technology (FCT). The composition of the research teams and the evaluation reports are disclosed by FCT. The list of these units is made according to the main scientific area in which they develop their activity. The search can be made by keyword associated with sub-scientific areas.

STRATEGIC PLAN

The Strategic Plan aims to clarify and to focus the Mission and the Vision for IST, as a global organization, and to establish a series of action plans aligned with the Mission of IST, centered on science and technology as enablers for the accelerated improvement of the Portuguese and European Society.

CERTIFICATIONS

This institute is taking part of the AICEP database.



4.12 RESEARCH LEPAE

INSTITUTE

LEPAE - Laboratory of Process, Environment and Energy Engineering - is located in the Chemical Engineering Department of the Faculty of Engineering of the University of Porto. It was created in 1998 and is classified as "Excellent" by the international committees promoted by the Ministry of Science and Technology".

More than 100 researchers work at LEPAE, 30 being the permanent staff who supervise the research activities of about 70 researchers with a university degree. Around 1/3 of the projects are developed with national (UNICER, CIN-paints, RAR, Enkrott, etc.) and international (Veolia, Air Products, Tetrapak, German Aerospace Agency, etc.) companies.



contacts:

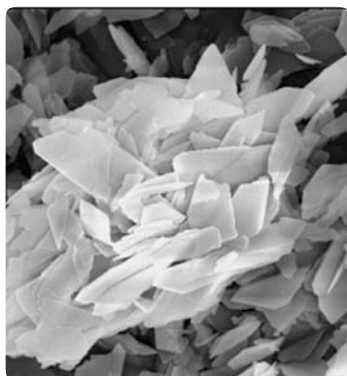
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www.fe.up.pt/lepae
lepae@fe.up.pt

MISSION

LEPAE focuses on chemical and biological process, environment and energy engineering fields, advanced training of researchers and cooperation with companies and institutions.

VISION

LEPAE is an international R&D center that provides research and external services in its fields of expertise.



RESEARCH AREAS

The research topics are based on a common matrix of Chemical and Biological Process Engineering, involving fields such as Environment and Health, Energy and Products and Biotechnology. Industrial and govern-mental cooperation is carried out in the sectors of air quality, water and wastewater, paints, polymers, analytical chemistry, food and drink (wine, beer, milk), wood and derivatives, solid waste, chemical and biological sensors, etc.

PRODUTS AND SERVICES

Cyclones for Treatment of Gaseous Emissions

- Optimized equipment to remove fine particles from gaseous emissions.

Biodiesel Production

- New raw-materials for sustainable bioenergy production.

Analysis Of Chemical Contaminants In Environmental And Food Solid Matrices)

- Detection, identification and quantification of trace contaminants in food and plants.

Air Quality

- Analysis of air contamination problems (chemicals and particles).

Safety of Drinking Water Distribution Systems

- Use of advanced computational methods to detect deliberate contaminations in drinking water systems, and their remediation.

In Situ Oxygen Production

- Unit that produces high purity oxygen (up to 99.5%) medical grade) from air, with applications in campaign hospitals, aircrafts and fuel cells.

Fuel Cells

- Direct methanol fuel cells (DMFC) and in proton exchange membrane fuel cells (PEMFC).

Sensor for Surface Contamination (Mss)

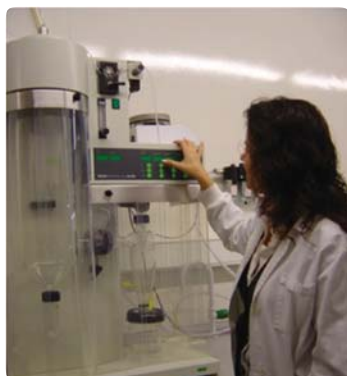
- Nanovibration detector to measure adhesion of contaminating deposits on solid surfaces.

Solid Waste Management and Treatment)

- Assessment of urban and industrial solid waste problems.

Nanostructures to Combat Neurological Diseases

- In cooperation with IBMC – Institute for Molecular and Cellular Biology.



4.12 RESEARCH

LNEG

INSTITUTE

LNEG is an institution devoted to R&D companies and, as such, wishes that their activities are increasingly targeting an economic impact through the development of technological capabilities of domestic firms.

LNEG intends to showcase the capabilities that can be used for the technological development of the country.

LNEG, as an institution of the Ministry of Economy, Innovation and Development, works as a consultant for public policy on energy and geology, environment, sustainability, metrology, standardization, quality and certification.

MISSION

To promote technological innovation by directing science and technology for development of the economy, contributing to the increased competitiveness of economic progress under a Portuguese sustainable economy.

VISION

Within the duties arising from the strategy and policy of economic and social development of the Portuguese government, we assume ourselves as the interface of technology and R&D results integration in the business world.



contacts:

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for Energy and Geology
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ENERGY PRODUCTION SYSTEMS

- Energy Efficiency;
- Energy Analysis;
- New trends and innovation;
- Endogenous Resources;
- Geological Hazards and Environment.

PRODUCTS AND SERVICES

- Studies, Consultancy, Advice and Auditing.
- Laboratory Testing;
- Publications;
- Cartography;
- Software;
- Geology, prospecting and drilling services;
- Training;
- Geological Museum Products.

R&D

Research Areas

- Energy Production Systems;
- Energy Efficiency;
- Energy Analysis;
- New trends and innovation;
- Endogenous Resources;
- Geological Hazards and Environment;
- Geology for a sustainable territory.

R&D Units

- Geoscientific Information Unit;
- Modeling and Optimization of Energy Systems Unit;
- Bioenergy Unit;
- Fuel Cells and Hydrogen Unit;
- Production and Consumption Sustainable Unit;
- Zero Emission Unit;
- Solar, Wind and Ocean Energy Unit;
- Product Engineering Unit.



4.12 RESEARCH LSRE

LABORATORY

The LSRE is the Research Unit no. 104/94 of the Ministry of Science, Technology and Universities (MCTES), located in the Faculty of Engineering of the University of Porto (FEUP). Since December 2004, in association with the Laboratory of Catalysis and Materials (LCM), the LSRE is a Associate Laboratory of the MCTES.

MISSION

The objective of the LSRE is the development of new methodologies, concepts, ideas and experimental techniques to understand, design, operate and optimise Separation and Reaction Processes involved in Process and Product Engineering. The main vocation of the Laboratory is post-graduate and post-doctoral training, although undergraduate students use our facilities for small research projects.



contacts:

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VISION

The LSRE wishes to conserve its position as an excellence institution in its field, contributing to the development of high throughput technologies and to the formation of highly qualified technical people and, through them, to the industrial development of Portugal and of the European Union.

PROJECTS

The LSRE was involved in numerous national and European research projects, particularly in two defence projects on carbon masks for individuals' protection. The main objective of these projects was the development of mathematical models capable of describing the behaviour of impregnated activated carbon filters, used in the masks, specially designed for the protection of individuals in toxic environments, as for example from nuclear, biological and chemical warfare agents.

ACTIVITIES

Separation Engineering

- Measurement and prediction of thermodynamic properties and transport properties in supercritical Fluids;
- Cyclic Separation Processes: Pressure Swing Adsorption (PSA); Simulated Moving Bed (SMB); Parametric Pumping and Perfusion Chromatography technologies;
- Characterisation of porous structures of adsorbents and catalysts;
- Hybrid Processes: Pressure Swing Adsorptive Reactors (PSAR) and Simulated Moving Bed Reactors (SMBR); Catalytic Distillation;
- Engineering of perfumes and flavours.

Reaction Engineering

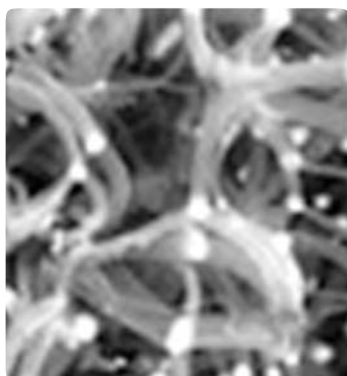
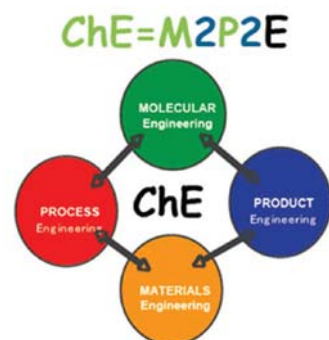
- Hydrodynamics of multiphase systems;
- Polymer reaction engineering;
- Multiphase reactors for the synthesis of oxygenates and vanillin production
- Fixed-bed catalytic reactors for the synthesis of oxygenates (MTBE, ETBE, TAME);
- Mixing in chemical reactors.

Computational Modelling, Conceptual Design and Process Control

- Computational Fluid Dynamics (CFD);
- Software development;
- Conception of processes;

Environmental Science and Engineering

- Elimination and recycling of pollutants;
- Water and wastewater treatment and management;
- Natural water systems;
- Development of environmental friendly production processes;
- Biological reactors.



4.12 RESEARCH

Planetavivo

COMPANY

Planetavivo is a enterprise dedicated to the applied environmental research and edition.

RESEARCH

In terms of environmental research, Planetavivo carried out the Conservation of Migratory Fishes of the River Douro Plan, the Lands of Sousa Environmental Improvement Plan, which resulted in two publications (Sousa Lands, Rural and Nature Tours Guide to Natural Lands of Sousa), and is implementing the National Plan for Conservation of lampreys at Rio Creek, one of the last two habitats of the Iberian Peninsula for this rare Portugal species. This project received the first edition of EDP Biodiversity Award 2008 distinction.

EDITION

Planetavivo is a publisher dedicated to the scientific works on natural science preparation and publication, particularly in the editing field guides for nature observation, technical publications and scientific works, in accessible language to the general public. Actually is editing the complete works of Charles Darwin (Darwin Planet Collection), a Field Guides Nature of Portugal collection, a Biodiversity Portugal collection and other collection about Renewable Energy.



contacts:

PLANETA VIVO

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Fax: +351 220 120 761
www.planetavivo.net
planetavivo@planetavivo.net

ACTIVITIES

PlanetaVivo has the environmental research, the species and ecosystems study vocation with the aim of providing solutions for solving ecological problems.

PRODUCTS/SERVICES

Among the services provided by PlanetaVivo are: the natural resources environmental and management planning, ecosystems management, game management, environmental monitoring, studies and applied environmental research.

STUDIES

Studies and monitoring conducted by PlanetaVivo:

- Monitoring of aquatic ecosystems - Hydroelectric Development of Candemil study implemented following the Environmental Impact Statement (EIS) issued for the Hydroelectric Project of Candemil in the design phase of implementation, which was held in the previous characterization of the Situation of Reference of the State of Aquatic Ecosystems;
- Environmental impact assessment - Central Valuation of Forest Residues and Waste Agro-Livestock, Ambilandal, Caldas da Rainha The Living Planet was responsible for the coordination and descriptors of Fauna and surface water.

PARTNERSHIPS

Oceanography Centre, School of Applied Psychology, Interdisciplinary Centre for Marine and Environmental Research, Ministry of Agriculture, Rural Development and Fisheries, National Forest Authority, Institute for Nature Conservation and Biodiversity, University of Évora, Mora Fluvium, EDP, REN, Rural Development Association of the Sousa Lands, municipality of Gondomar.

AWARDS

Honorable Mention Prize in the 2011 BES Biodiversity.



4.12 RESEARCH UBI



contacts:

UBI - Universidade da Beira Interior
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6201-001 Covilhã - Portugal
Phone: +351 275 319 700
www.ubi.pt
geral@ubi.pt

UNIVERSITY

Since its creation in 1986, UBI (University of Beira Interior) has placed great emphasis on research activities. Most of its R&D projects, aimed at strategic goals for both regional and national development have been funded by many national and international institutions along with European Community funding schemes. Throughout its existence, UBI has been awarded significant funding from institutions such as FCT (Foundation for Science and Technology), FLAD (Portuguese-American Foundation for Development), Calouste Gulbenkian Foundation, and INETI (National Institute of Energy and Industrial Technology). With regard to international funding schemes, the most representative are the programmes CIENCIA, COPERNICUS, NATO SCIENCE FOR STABILITY, FEDER, TEMPUS, MINERVA, SPIN and STRIDE, and more recently, EQUAL, INCO-COPERNICUS, LEONARDO DA VINCI, INTERREG, ENERGIE, POCTI; Prai-Centro, Saúde XXI and Portugal Digital, to name but a few.



R&D

UBI has developed fruitful cooperation links in the field of R&D with many institutions aimed at rationally employing human resources and installed equipment in diversified projects.

RESEARCH UNITS

- Laboratory of Online Communication and Studies (LABCOM);
- Centre of Drives and Electrical Systems (CDES);
- Centre of Aerospace Science and Technology (CAST);
- Centre of Civil Engineering (CCE);
- Centre of Mathematics (CM);
- Health Sciences Research Centre (HSRC);
- IC-IT Centre for innovation Science and Technology (CSIT);
- Centre for Human Language Technology and Bioinformatics (HULTIG);
- Institute of Practical Philosophy (IPPh);
- Laboratory of Communication and Multimedia – Institute of Telecommunications (IT-LABCOM);
- Textile and Paper Materials (TPM);
- Centre of Studies on Business Sciences (CSBS);
- Soft Computing and Image Analysis Laboratory (SOCIA_LAB);
- Remote Sensing Unit (RSU).

WE OUTLINE THE FOLLOWING LABORATORIES

- In the field of Chemistry, additionally they support research in the fields of Chemistry-Physics (Electrochemistry), Inorganic Chemistry; Organic Chemistry and Environmental Chemistry;
- Concerning Physics, to the Optics Centre, intended to develop teaching and research activities along with service rendering;
- In the field of Engineering, the Department of Aerospace Sciences houses the laboratories of Aerodynamics and Propulsion; Anemometry; Avionics and Control; Computational Fluid Dynamics; Structures and Vibrations; Informatics; Instrumentation; Materials; Project.

CERTIFICATIONS

This university is taking part of the AICEP database.

4.12 RESEARCH UETN

RESEARCH CENTER

The Unit of Marine Technology and Engineering (UETN) as a Research Centre of Instituto Superior Técnico (Technical University of Lisbon) it is recognized and funded by the Portuguese Foundation of Science and Technology.

Research Groups:

- Marine Environment;
- Marine Dynamics and Hydrodynamics;
- Marine Structures;
- Optimal Design and Control of Structures and Mechanical Systems;
- Ship Design and Marine Transportation;
- Safety, Reliability and Maintenance;
- Queueing Systems and Quality Management.



contacts:

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www.mar.ist.utl.pt
uetn@mar.ist.utl.pt

PROJECTS IN DEFENCE AREA

Prediction of Ship Operational Periods taken into Account the Wave Climate and Ship Seakeeping

- The developed methodology can be used to evaluate polar diagrams defining vessel operational limits. These diagrams show, for a given sea state and ship heading, the maximum recommend speed of advance without jeopardising the seakeeping criteria of the vessel. Once the polar diagrams are fully validated they can be used as a real time onboard tool for support to decision.

Identification and Simulation of Ship Manoeuvring

- This research project allows the development and validation of a computer algorithm based on ship maneuvering models which can be used extensively in the identification of the maneuvering characteristics of a vessel.

Modelling and Simulation of Active Roll Stabilisation Of Ships

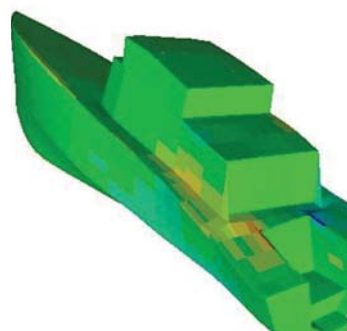
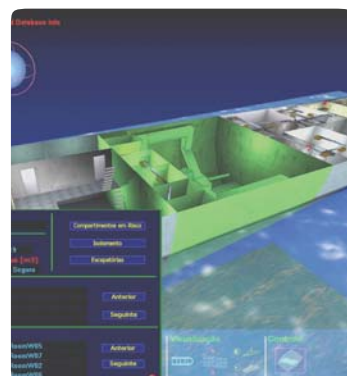
- Within the scope of this project, a numerical model of forced roll motion under the action of active stabilizers was validated by means of full-scale experiments carried out onboard a "Vasco da Gama" class frigate. In parallel, roll extinction experiments were carried out at different ship speeds. With this experimental data, it was possible to validate the numerical model, making it a consistent and reliable tool in the prediction and simulation of ship roll motion.

Computer Systems to Manage Contingency Plans to Limit Marine Pollution

- The main goal of this project is to become available a tool for the Service to Combat Oil Pollution at the Sea (SCPMH), the national entity of the combat of marine pollution, that will help to take a fast and well based decision for each case in accordance with the Plan Clean Sea.

Simulation of the Fate of Hydrocarbon Spills in the Portuguese Coast

- The most probable spill drifts are obtained from one computational program that simulates the drift of hydrocarbons. This program was developed at the Unit of Marine Technology and Engineering from Instituto Superior Técnico. The inputs required for the simulation of the drift are the wind velocity and the current.



4.13 ENERGIES

CLEAR ENERGY – Certificação Energética e Ar Interior

EFACEC – Motores Eléctricos

Enernatura – Energia Natural Fotovoltaica, Eólica e Solar Térmica

i-SETE – Serviços Técnicos de Internet

JOTA96 – Projectos De Engenharia Auditorias E Formação

OMNIDEA – Aerospace Technology and Energy Systems

SELF ENERGY – Energias Renováveis

SRE – Soluções Racionais De Energia Omnídea

Other companies worthy of reference:

ENONDAS – Energia das Ondas

4.13 ENERGIES

Clearenergy



contacts:

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Complexo Crel Bela Vista,
Rua da Tascvoa N16 4B,
2745-851, Queluz – Portugal
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www.clearenergy.pt
geral@clearenergy.pt

COMPANY

The Clearenergy is a fully private capital company which was established in 2009 aiming to provide service under the National Energy Certification System (ECS), bringing together expertise in HVAC Design, Dynamic Simulation of Buildings, Energy Audits and Indoor Air Quality and Training.

MISSION

To fulfill its vision, Clearenergy activity focuses on the development of its staff through co-operation, performance analysis and technological development, contributing to increased effectiveness and efficiency of their management as well as their inter-personal development. To ensure service quality and Customer Satisfaction level, Clearenergy bet on integration processes of its customer's feedback, best practices in the marketing business process and on the adaption of its offering.

VISION

The Clearenergy wants to be and to be recognized as an entity in the engineering excellence business, aiming to provide an innovative service and quality, focusing its activities on global energy consumption reducing and on the satisfaction of its customers and on the market in general.

VALUES

Clearenergy appreciates the diligence, commitment, service quality, customer orientation and outcomes.

CRITICAL SUCCESS FACTORS

To achieve the enterprise mission, Clearenergy focus on its staff training, in customer satisfaction, in continuous improvement processes and on the excellence of its projects.

PRODUTS/SERVICES

Clearenergy is empowered to respond in time, with accuracy and quality for different types of services provided under the energy certification national system, including residential buildings and services certification.

Within this framework also provides consulting services in order to promote the energy rational use, in order to reduce overall energy consumption. It has a wide experience on projects designing and HVAC hybrids systems.

Clearenergy is qualified to collaborate in the following areas:

- HVAC Projects and Renewable Energy preparation and coordination;
- Centralized technical management drafts;
- Facilities for fire safety design;
- Buildings thermal behavior development projects;
- Buildings energy performance simulation and optimization;
- Opportunities identification for renewable energy application;
- Technical study and economic feasibility;
- Consulting in the field of thermal energy;
- Works monitoring and supervision;
- Energy audits and Indoor Air Quality;
- Plans for Streamlining Energy (PRE) within the RSECE;
- Plans for corrective action of Indoor Air Quality (IAQ-PAC);
- Preventive Maintenance Plans (PMP);
- Boilers and air conditioning equipment audits;
- Issuance of Statements of Regulatory Compliance (DCR) and Energy Certificates (EC);



4.13 ENERGIES

Efacec

COMPANY

With an history of already 100 years, the Efacec Group had its origin in “Moderna”, a company established in 1905. Formed in 1948, Efacec, the largest Portuguese Group in the field of electricity, employs around 3000 people and has a turnover of almost 500 million euros; it is established in more than 50 countries and exports almost half of its production.

MISSION

- To be Integrated and Differentiated Electromechanical Systems adapting;
- Capitalized the Human Capabilities and the Innovation granted by the Efacec Group with Customers’ Specific Requirements, based the New Technologies Flexibility and Quality of the Solutions.

VISION

Double the performance and economic and financial dimension in a 5 years period. Replicate Efacec competencies and activities on the other continents during the 10 forthcoming years, through the strengthening of export markets.



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COMPETENCES

The Efacec Group is the largest Portuguese organization in the field of electromechanics and electronics, with a strong presence in different international markets

- Energy Solutions;
- Environment Engineering & Services;
- Transport and Logistics.

ENERGIES

The Efacec Group is leading Power Generation, Transmission and Distribution, Automation and Telecontrol Systems, Power Supply Systems, Maintenance and Technical Assistance Services.

Power Transmission and Distribution

- The Efacec Group capability enables it to project, manage and erect turn key projects for power transmission and distribution substations (for voltage up to 400 kV).

Automation and Telecontrol

- Networks Management Systems (DMS and SCADA);
- Integrated Substation Protection and Control Systems;
- Remote Terminal Units - RTUs.

Power Supply Systems

- UPS;
- Power Electronic Converters for renewable energy;
- Power Supply Systems through fuel cells;
- Micro generation systems;
- Photovoltaic Installations.

Technical Assistance And Maintenance

R&D

Since Efacec foundation, the development of Efacec own products has always deserved great strategic importance. At the same time, an endogenous process of technical knowledge was progressively implemented, through important investment in R&D, which led to the sustained development of new products, development of strong know how and own technology.

CERTIFICATIONS

This enterprise is taking part of the AICEP and NAMSA databases.



4.13 ENERGIES

Enernatura

COMPANY

Enernatura is a company with the objective of increases the energy efficiency and the use of renewable energy supplies. The company goal is reduce the consumer energy payment and reduce the use of fossil fuel sources.

MISSION

Enernatura creates projects of energy using technical solutions for lower energy consumption construction and does energy auditing.

VISION

The main target of Enernatura is the sustainable development of the country true the reduction of gas emissions and the sustainable use of energy



contacts:

ENERNATURA
 Rua Cardal Lote 13
 3020 Coimbra – Portugal
 Trouxemil (Coimbra)
 Phone: +351 239 432 372
www.enernatura.pt



ACTIVITIES

The Enernatura has been active mainly in the area of solar energy in two directions: Solar Thermal and Solar Photovoltaic:

At the level of solar heat, Enernatura sells solutions and projects to:

- Heating-water pools (residential and services);
- Heating water-sanitation facilities (new buildings, existing residential and services);
- Heating of process water and air for drying processes (industry), heating and cooling of buildings.

At the level of solar Photovoltaic, Enernatura sells solutions and projects to:

- Public grid connected Systems;
- Systems not connected to public mains.

SERVICES

- Renewable energy enginery;
- Energy efficiency enginery;
- Buildings Energy certification;
- Energy consumption management;
- Sustainable construction;
- Maintenance management;
- Education.

MARKETS

Enernatura is a Colorvision partner.



4.13 ENERGIES

i-sete

COMPANY

i-sete was established in December 2005 by James Vasconcelos, BA in Business Administration. The enterprise operations started at January 2006.

The project was supported by the Office of Employment and Vocational Training under the Local Initiatives Support Employment (ILE).

ACTIVITIES

Consumables recycling was i-sete first activity. Currently divides its area of intervention in two areas of business: consumables recycling and energy efficiency.

The consumables business area represented approximately 50% of the turnover of the company in 2009. In a highly competitive market distinguished by the quality assurance is in many ways similar to the original product warranty.

As prospects for the future, in this market, i-sete indicates an innovative business model that will be complemented by services. This growth will bet on the market by the public and the domestic market with added services value.

In 2009 i-sete was among the consumables recycling national top 5 enterprises though only about 5% of the market.

The company's sustainability is the customer high degree loyalty (90%) which demonstrates the quality and meets the expectations of customers. Another differentiating factor is the speed in delivery, usually less than 24 hours.



contacts:

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Fax: + 351 252 419 517
www.isete.com
geral@isete.com

PRODUCTS AND SERVICES

Energy Efficiency

Services go through energy audits and certification, and the enterprise is accredited for that purpose. These actions represent about 80% of the total business volume in this area.

Equipment energy efficiency program for lighting stand out on the marketed products. The products sold by i-seven represent unique solutions and clearly defined responsibilities in the value chain. Lighting solutions presented by the enterprise enable a reduction of about 40% on the street lighting cost. The state is the potential consumer for this type of product, and today there is great potential for output growth.

Economical Data

Turnover in 2009 was around 992 000 euros, representing a 39% growth over the previous year, which in fact is extremely relevant taking into account the economic crisis affecting all sectors. This variation in turnover is explained largely by the growth component of service delivery, reflecting a business diversification.

Human Resources

The company started with just 10 employees and almost tripled that number rapidly. The number of employee's evolution is just one more indicator that reflects the tremendous growth that the enterprise has. 70% of the actual employees are engaged in the computer consumables business area and 30% in the energy efficiency area.

R&D

R&D issues are being developed in partnership with a reference University in which the focus is the exploitation of academic know-how.

MARKETS

Portugal is the enterprise geographical operation sphere and the main focus area is located between Lisboa, i-sete delegation site, and Trofa, i-sete headquarter, counties.

CERTIFICATIONS

NP EN ISO 9001: 008 (Quality) - NP EN ISO 14001:2004 (Environment).



4.13 ENERGIES

Jota 96



contacts:

JOTA96
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Fax: +351 253 267 304
www.jota96.pt
jota96@netcabo.pt

COMPANY

Jota96 is a company which works on the energy certification of the buildings. All "sourcing" decisions, contracts, and ongoing management relationships with collaborators will be conducted in order to protect the Brand, Jota96 Reputation and reflect the company's policy and JOTA96 standards.

METHOD OF WORK

JOTA96 uses the following principles, which allow the implementation of standards in the "sourcing" and collaborators standard management.

Working together with collaborators, when risks are identified or significant opportunities for the standards implementation and improving aspects of the organization responsibility. Encourage collaborators openness and honesty before errors or failures that may occur in relation to Jota96 standards and principles. Jota96 must accept alternative standards whenever they reach or exceed the equivalent of Jota96.

VISION

Jota96 always acts in order to protect its trademark and physical, financial and intellectual assets, as well as those of collaborators within its action radius.



MANAGEMENT

JOTA96's strategy regarding collaborators is to fully engage in proactive performance management and improvement within collaborator's base.

JOTA96 expects that collaborator's take responsibility for efficient and effective management of their own supply chain regarding principles maintenance herein set forth. When necessary, JOTA96 works with collaborator's to ensure that their supply chain is aware and is in accordance with this document. Together, JOTA96 and collaborators will undertake a continuous improvement in all areas of the relationship. This is considered a critical component to the contract. All services provided to JOTA96 should meet their specifications and be performed in accordance with the agreed Service Levels. A Service Level Agreement should be inserted in all contracts. This will provide Key Performance Indicators that will be used to measure performance, all services, from the beginning till the end, and provide a basis for periodic reporting to management.



COOPERATION

JOTA96 closely works with collaborators in order to take the right steps to align and achieve its objectives. JOTA96 works openly and in collaboration with all the business partners to maximize value. The characteristics of the relationship and level of cooperation will be maintained by JOTA96 taking into account the business requirements. An open and collaborative approach will be adopted for efficient and fair resolution of disputes that may arise.

Monitoring and Verification

- JOTA96 monitors the performance of its collaborators as part of the ongoing risk management and where appropriate provide constructive feedback. JOTA96 expects to allow collaborator's reasonable access to all relevant information, as well as their facilities, to cooperate in any audit and to undertake reasonable efforts to ensure that the subcontractors do the same.

STANDARDS

Equality and Diversity

- JOTA96 strategy is based on the creation of a virtuous circle of satisfied collaborators (all persons with interests in the organization). Equality and diversity as enterprise core is the key element in successful strategies.



4.13 ENERGIES

Omnídea

COMPANY

Founded in 2003, OMNIDEA is a Portuguese SME that has been incubated in the European Space Agency which, after an initial period in the European Space Research and Technology Centre (ESTEC, Holland) evolved into an independent company. Even though its ties to ESA remain as strong as ever, the company has now achieved the critical mass required to operate on its own. In its brief history the company scored important victories such as that obtained by the ENERGON project in the "New Venture Business" competition (Holland, 2004). Also, a strong patent portfolio allows the company to look comfortably ahead to its technology oriented future.

MISSION

To perform leading edge R&D in innovative energy concepts and processes, licensing the resulting intellectual property rights.. A growth strategy focusing on technology ownership and tailor made solutions in the fields of sustainable mobility and renewable energy production at cost competitive levels, is envisaged.


 omnídea

Omnídea | Aerospace Technology and Energy Systems

contacts:

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www.omnidea.net
info@omnidea.net

CORE AREAS

Fuel Cells and Electrochemistry; Energy Storage & Energy Conversion; Propulsion & Aerodynamics; Nanotechnologies; Innovative Polymers; Mechanical Design; Simulation and Visualization; Production Processes.

PROJECTS

Electrochemical Cells - Energon

- Omnídea, has been working on this theme since 2005 and is pursuing the alternative path of CO₂ re-conversion to a hydrocarbon form. This system, under development in close cooperation with ESA and named Energon;
- After acquiring a fundamental knowledge of this process and achieving breakthrough results in the artificial manufacturing of long chain hydrocarbons from CO₂, Omnídea's R&D efforts turned towards solving the problems posed by system integration.

Gas Storage – Millispheres

- Ionic Propulsion has gained importance in the Space industry due to its very high specific impulse, a fundamental issue for any space propellant. The complexity of ionic propulsion gases arises from the high pressures involved (150-200bar) and the need for thermal control, while the stringent performance requirements make gas storage in spacecrafts a tremendous challenge. Omnídea has developed an alternative solution to currently in-use storage tanks, through an ingenious concept in which gas is stored in highly pressurized spheres, which are then placed inside larger "intermediate" tanks operating at much lower pressures.

High Altitude Platforms - Boreas

- High Altitude Platforms (HAP) were originally seen as a concept that could change many of the telecommunications business paradigms, having the ability to provide coverage to remote areas of the globe. BOREAS provides the means to maintain a reasonably sized structure airborne, due to its force generating concept which relies on aerodynamic lift as the means to avoid the normal energy requirements to maintain the platform airborne at high altitudes.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



4.13 ENERGIES

SELF ENERGY

COMPANY

A Self Energy SA is the first Portuguese Energy Service Company (ESCO), created for the energy it needs to be produced by himself (made yourself), with lower costs.

MISSION

Helping its customers to reduce the total energy cost, increasing the supply security, autonomy and overall energy efficiency, with a favorable impact on the environment.

VISION

Like other industries, the energy tends to increasingly shape itself to the needs of each client: the self concept.

The capacity for local energy production, near the place of consumption, results on a greater efficiency and supply comfort: your own energy.

Renewable energy and new energy technologies promote new energy services models that favor the client: ESCOs.

Hydrogen is a key element in the new energy solutions and solar energy is already mandatory in buildings: the CO2 emissions reduction is urgent.

Everyone can choose their energy suppliers: the customer will opt for lower cost and better global service.

Energy efficiency and environmental commitment are decisive on choosing for a living, working and leisure spaces: a social and environmental responsibility.



contacts:

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Fax: +351 214 216 793
www.selfenergy.eu
info@selfenergy.eu



SERVICES

A Self Energy is the first Portuguese ESCO (Energy Services Company) basing its model on the assumption that part of the required energy for home or business can be generated by and for itself, using renewable energy such as Solar Thermal, Photovoltaic Energy, Micro-Wind, LEDs, or a Hydrogen Fuel Cell.

Self Energy provides integrated solutions and services and complete power management that maximize the energy resources value by offering contracts to reduce energy costs based on performance, supported by certified energy audits and equipment installation to public or private financing guaranteed including the selling surplus electricity possibility to the electricity distribution network.

Self Energy provides, to its clients, the possibility to reduce the energy total cost, increasing the supply security, autonomy and overall energy efficiency, with a favorable impact on the environment.

Self's Energy model is based on the establishment of supply contracts for energy, reducing clients costs through the use of innovative technologies applied to renewable energy.

SOLUTIONS

A Self Energy Solutions brands, My Sun, My Power and My Wind, is a My Energy campaign for micro generation.

My Energy campaign is a partnership with EDP and presents a new relationship with energy: a Self Energy relationship, each one produces the energy he needs for his own consumption.

Micro generation is achieved by the installation of equipment based on photovoltaic solar energy or wind power, combined with thermal solar panels.

PARTNERSHIPS

Self Energy created SEER+, Sustainability, Efficiency and Renewable Energy Program for the Portuguese Mercy, according to the protocol signed with the Portuguese Mercy Union. SEER + is an implementation promoting program for energy efficiency measures in Mercy buildings. The program provides special financing and acquisition conditions for renewable energy equipment.

CERTIFICATIONS

Ongoing ISO 9001 certification process

This enterprise is taking part of the AICEP database.

4.13 ENERGIES

SRE

COMPANY

SRE began in 2002 with a group of engineers who saw the Hydrogen business as a window of opportunity for the development and growth of distributed power generation. Since its beginning, SRE has forged its competencies making a bet on innovative products and developing its own Fuel Cell concepts. The contribution of the technological partners, INETI, INEGI and IST, has been quite fruitful in helping develop these concepts, from the development of early PEMFC prototypes to the study of hydrogen production from chemical hydrides. SRE also runs a pilot plant for the filling of Metal Hydride canisters.

MISSION

Create and optimize high efficient energetic systems, contributing to the hydrogen economy and to the sustainable development from global society, implementing high standards of service and quality partnerships, adding value to shareholders and providing human and technique valorization of workers.

VISION

SRE and H-WAY aim to be a global reference in the Hydrogen Economy, for its contribution to excellence and generalization of hydrogen-fuel cell stacks (small powers).



contacts:

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Fax: +351 261 911 246
www.sre-fc.com
sre@sre-fc.com

PRODUCTS

- Fuel cell stacks with powers from 10W to 100W. The fuel cell stacks can be integrated in several small power portable or stationary applications;
- Portable power sources with stabilized output or battery charger, of either 50 or 100 Watt;
- Educational systems for the familiarization with fuel cells technology;
- Dedicated systems for telemetry, broadcasting support equipment or other application requested by the client.

PROJECTS

- 1kW power source;
- Portable power source for military use.

R&D

SRE PEM cells are specifically designed to be used in small power applications, portable, traction or stationary. This means demanding requirements regarding simplicity in auxiliary systems and low balance-of-plant energy consumption (typically lower than 1W on a 10 W system). SRE standard output values, already validated by independent laboratories, are around 400 mW per square centimeter (at 0,5 V) with peak values above 500 mW.

These features account for the high performance and special ability of SRE stacks to fit small power requirements, concerning weight, volume and technical simplicity.

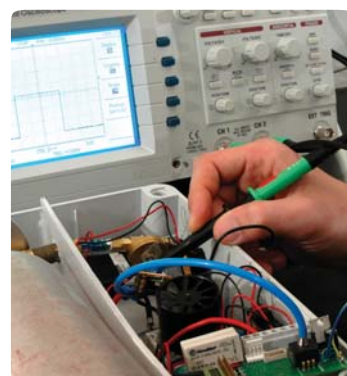
MARKETS

SRE has defined its prime markets on a number of applications:

- On small power range: remote monitoring for meteorological data collection; remote monitoring for hydrographical data collection; portable Systems; SOS telephone stands;
- On the medium power range: broadcasting support equipment; remote monitoring on forestry video surveillance; golf trolleys and other small traction appliances; yachting emergency power supplies; emergency lighting; portable power sources;
- Parallel projects: education and demonstration; portable military radio device; bicycle.

CERTIFICATIONS

Quality Management System certified, standard NP EN ISO 9001:2000.
This enterprise is taking part of the AICEP database.



4.14 HEALTH

HFAR – Hospital das Forças Armadas

IHMT – Instituto de Higiene e Medicina Tropical da Universidade Nova de Lisboa

LMPQF – Laboratório Militar de Produtos Químicos e Farmacêuticos



4.14 HEALTH

Hospital das Forças Armadas

contacts:

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 Phone: +351 218 840 800
 Fax: + 351 218 840 852
 www.marinha.pt
 Hm.pessoal@marinha.pt

Hospital Militar da Força Aérea
 Azinhaga dos Ulmeiros – Base do Lumiar
 1600-777 Lisboa - Portugal
 Phone: +351 217 593 043
 Fax: +351 217 572 403
 hfa.administracao@emfa.pt
 www.emfa.pt

Hospital Militar de Belém
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 1149-036 Lisboa – Portugal
 Phone: +351 213 644 151
 Fax: +351 213 648 097
 hmbelemsecretaria@mail.telepac.pt
 www.exercito.pt

MILITARY HOSPITALS

The Hospital of the Armed Forces (HFAR) is an establishment designed to provide care to members of the Portuguese Armed Forces and their families. When turned on what should happen briefly the HFAR will absorb in a single hospital structure, the existing Navy, Army and Air Force hospitals. There is provision for two poles HFAR, one located in Lisbon and in Oporto.

MAIN MILITARY HOSPITAL

The main Military Hospital (PMH) is the central hospital of the Portuguese Army located in the Estrela in Lisbon. Besides providing medical care to Army soldiers, also supports the Navy, Air Force, National Guard and Public Security Police personnel. It is planned to integrate this hospital into future structure of the Armed Forces Hospital.

Hospital Militar Principal em Lisboa- Calçada da Estrela, 1200 Lisboa - Portugal
 Phone: +351 213 619 187, Fax: +351 213 974 127.



NAVY HOSPITAL

Besides the services of Internal Medicine, General Surgery, Anesthesiology and Re-animation, Dermato-venereology, Dentistry, Neurology, Ophthalmology, Orthopedics, Otorhinolaryngology, Psychiatry, Urology, Cardiology, Pulmonology, Gastroenterology, Pediatrics, Gynecology and Obstetrics, Endocrinology and Nutrition, Pathology, Radiology, Physical Medicine and Emergency Medical Support the Navy Hospital has the largest capacity hyperbaric chamber in the country.



MILITARY HOSPITAL OF BELÉM

Besides the services provided in support of Navy, Army and Airforce personnel it develops activities related to the evaluation and selection of Army personnel. It operates Respiratory Pathophysiology Pathology and Radiology Laboratory services.

It develops scientific research on the valences which are attributed, in strict military interest, operating Immunology and Applied Biochemistry Laboratory. It also ensures the Hospital Pharmacy Service. It works as preventive medicine center of military. It performs actions related to epidemiology, screening, prophylaxis and control of tuberculosis and other respiratory diseases. It works as the hospital responsible to provide daily support to cancer chemotherapy patients.

AIR FORCE HOSPITAL

It treats and rehabilitate the Air force personnel and their families and, when authorized superiorly, other patients. It collaborates with other hospitals providing services in training and scientific research. It also collaborates on technical training of health personnel and supports staff and clinical data on the Air Force medical boards.



4.14 HEALTH IHMT

INSTITUTE

The Institute of Hygiene and Tropical Medicine (IHMT) is a unit of the Universidade Nova de Lisboa (UNL) since 1980. IHMT is able to provide Postgraduate Education, Research and Development Cooperation. IHMT has a recognized level of excellence nationally and internationally mainly focused on tropical medicine and health problematic areas in developing countries.

MISSION/VISION

IHMT develops its activity in the sense of being the national reference institution, able to conceive, plan, execute and evaluate projects for development cooperation in health, being a privileged interlocutor of the governments of Portuguese speaking countries.



contacts:

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Fax: +351 213 632 105
www.ihmt.unl.pt
informacao@ihmt.unl.pt

SERVICES

Constitutes statutory duties of the Institute of Hygiene and Tropical Medicine to provide community service in the fields of public health and tropical medicine. The Consultation of the traveler, tropical medicine consultation and immunization unit is now a reference unit in the country, providing support and advice and assistance to travelers in the areas of Tropical Medicine / Parasitology. The Central Laboratory provides services to the community in the field of medical tests, ensuring routine tests requested by the Consultation and the Teaching and Research Units (UEIs).

R&D

In the investigation area the institute develops technical and scientific activity of various pathogens, particularly tropical, which includes those causing malaria, leishmaniasis, intestinal helminths, parasitic opportunists, trypanosomosis, tuberculosis, sexually transmitted diseases and various viral diseases.

COOPERATION

IHMT pursues a policy of cooperation with various institutions and national institutions and international organizations, including the Executive Secretary of CPLP, the European Schools of Tropical Medicine, the PALOP Health Care and Education Institutions, the World Health Organization, the European Union and World Bank among others.



4.14 HEALTH LMPQF

MISSION

The Military Laboratory is the logistic organism of the Portuguese Army that provides medicaments and medical devices to the Portuguese Army and to the Armed Forces in general, and is able to constitute strategic reserves for emergency situations.

The Military Laboratory also provides services, like water analysis, air quality control in clean rooms, disinfections, disinfestations and rodent control.

In healthcare area, the Military Laboratory also provides services of clinical analysis and quality control of medical disposable devices.



contacts:

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 Químicos e Farmacêuticos
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 1849-012 Lisboa - Portugal
 Phone: +351 218 541 100
 Fax: +351 218 541 159
www.exercito.pt

VISION

Based on ethical, impartial and confidence principles and working through efficient management models, the Military Laboratory intends to contribute actively for the best efficiency standards and to get involved in investigation projects in pharmaceutical and pharmaceutical military areas, as well as to be a formative pharmaceutical area.

SERVICES

- Medicaments and Medical Material Supply;
- Clinical Analysis;
- Water Analysis;
- Condoms Quality Control;
- Medic Material Quality Control;
- Air Quality Control in Clean Rooms;
- Disinfections, Disinfestations and Rodent Control.

PRODUCTS

Medicaments: Acetyl salicylic acid (aspirin tablets), Fungicide (powder), Fungicide (cream), Chlorhexidine (oral solution), Chlorhexidine (steril solution), Vitamine A (cream), Paracetamol (tablets), etc.

Non-Medic Products: Alcohol 70°, Hydrogen Peroxide 3%, Iodopovidone, military make-up sticks, etc.

MARKETS

- Portuguese Army;
- Other Portuguese Military Forces;
- Security Forces;
- Civil Entities: INEM, PRISFAR, MEDISP, AGA, IDT, Civil Hospitals and others.

CERTIFICATIONS

In the Quality Control Service of the Military Laboratory, the Condoms Quality Control Laboratory is the only national laboratory for the quality control of condoms, accredited according to NP EN ISO/IEC 17025.

This laboratory is taking part of the AICEP database.



4.15 ENVIRONMENT

AMBIODIV – Valor Natural, Ambiente, Natureza e Sustentabilidade

ECOLUB – Recolha e Tratamento dos Óleos Lubrificantes Usados

ECOPATROL – Control and Enviromnental Ptotection, Lda

ECOPILHAS – Sociedade Gestora de Resíduos de Pilhas e Acumuladores Ida

EPCA – Estudos, Projectos e Consultoria Ambiental

ISODET – Sistemas de Higiene e Manutenção Industrial

SOCIEDADE PONTO VERDE – Recolha e Tratamento de Resíduos de Embalagens

VALOR PNEU – Sociedade de Gestão de Pneus

4.15 ENVIRONMENT AmBioDiv

COMPANY

The AmBioDiv is a specialized Biodiversity Management consultancy enterprise.



contacts:

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ambiodiv@ambiodiv.com

MISSION

AmBioDiv intends to incorporate Nature Conservation environmental issues as part of business processes in areas such as agriculture and forestry, tourism, natural areas management, renewable energy, regional planning, regional development, among others.

ACHIEVEMENTS

- 1st Portuguese enterprise to implement 'Conservation Action Plans' and develop an 'Ecosystems Services Evaluation';
- 1st Portuguese enterprise to conceive, implement and monitor 'Estratégias Business & Biodiversity Strategies';
- 1st Consulting Enterprise to join EU Business @ Biodiversity Platform network;
- 3th European enterprise to join Pan-European Countdown 2010;
- Strategic Actions in rural and urban regional development projects;
- Farm management, forestry and tourism / real estate certification processes tracking experts;
- A close relationship with vocational education institutions and universities, welcoming and accompanying papers and research and development.

SERVICES

Consultancy

AmBioDiv has been developing its services in the area of Environmental Outsourcing, and its customers receive the enterprise accumulated know-how, resulting from all the projects AmBioDiv has been participating on.

ORGANISATION

AmBioDiv services are grouped into units:

Decision Support

- Environmental Projects Consultancy;
- Green Procurement;
- Ecosystem Service's Assessment (ESA).

Planning

- Conservation Action Plans (CAP);
- Ecotourism Plans;
- Forest Management Plans (FMP).

Technical Services

- Environmental Work Monitoring (EWM);
- Environmental Impact Assessment (EIA);
- Strategic Environmental Assessment (SEA);
- Environmental Damage Responsibility;
- Ecological Restoration.

CERTIFICATIONS

Certification Support

Internal Audits

This enterprise is taking part of the AICEP database.



4.15 ENVIRONMENT

Ecolub

MISSION

As a reference on hazards industrial waste rehabilitation in Portugal, Ecolub strives to fulfill its mission, which is based on the following principles:

- The used lubricating oils effective and efficient management and the establishment as a model system in relation to the waste management in Portugal;
- To ensure and facilitate compliance with the system requirements for participating enterprises and economic actors, through the implementation of an integrated administration and finance, to ensure the waste effective management in Portugal.



contacts:

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VALUES

The values of Ecolub are, above all, the brand established commitments to the environment, efficiency, representativeness and knowledge.

Commitment to the environment

- The Sogilub origin is based in the protection of the environment vocation, being present on all its activities. This is a generational commitment, one that honors and respects the legacy of past generations and strengthens the bonds with future generations.

Commitment to efficiency

- Commitment to the environment directs the activities of Sogilub to adopt practices and strict management criteria with a view to optimizing costs and added value.

Commitment to the representation

- The Sogilub is dedicated to the fulfillment of its assigned license, being open to all companies covered by the used lubricating oils regulation that desire to meet their obligations, through a set of criteria and procedures, embodied in SIGOU.

COMMITMENT TO KNOWLEDGE

The Sogilub is a nonprofit corporation that invests in communication equities, awareness and research for the development of social knowledge, respect for human dignity and the environment preservation, and considers, today and forever, these values as essential and basics.

CODE OF BEST PRACTICES

Ecolub has developed a code of Best Practices on storage of oil and lubricants which is available on the firm site.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



4.15 ENVIRONMENT ECO.PATROL



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geral@ecopatrol.pt

VISION

ECO.PATROL – Control and Environmental Protection, Lda. aims to be a reference company by providing environmental services in Lisbon, Setubal and Alentejo, particularly services of contingency, control and environmental protection, industrial cleaning, technical cleaning and global waste management. The company owns a diversified fleet of vehicles, including first intervention vehicles, crane trucks, dump trucks (ampliroll and multibenne system) and high volumetric containers. It also owns a wide range of machinery and equipment, such as runway sweepers-washers, surface cleaning equipment, containers, compactors, biomass and Construction And Demolition Waste screens, lifting equipment, vacuum vehicles, absorbents and other pollution combat equipment.



SERVICES

The company offers its customers a wide range of technical solutions:

- Environmental protection of events;
- Sorting services;
- Management of waste parks;
- Cleaning of hydrocarbon separators;
- Containment and removal of spills in the soil and on inland waterways;
- Cleaning of confined spaces;
- Cleaning of fuel tanks;
- Work at height;
- Collecting, transport and treatment/ recovery of waste.

HUMAN RESOURCES AND EQUIPMENT

ECO.PATROL success is a result of the combination of a strong logistics component with a high technical capacity of its operational team.

CERTIFICATIONS

- The company started its activity in 2003 and has always assumed innovation and pro activity as a primary objective in response to the needs of its customers.

ECO.PATROL is certified with the norms ISO 9001: 2008 and ISO 14001: 2004, by SGS ICS Certification Company.

- In September 2009, it obtained an upgrade of its license for waste management operations from CCDR-LVT – No 79/2009. This license allows sorting of industrial waste and non-hazardous construction and demolition waste, treatment and storage of electrical and electronic equipment and temporary storage of hazardous industrial waste and non-hazardous waste.

- This enterprise is taking part of the AICEP database.



4.15 ENVIRONMENT

Ecopilhas

COMPANY

Ecopilhas, Management Company Waste Batteries and Accumulators, is a nonprofit corporation formed by the major batteries and accumulators producers, that operates in the Portuguese market.

The founding partners are, Cegasa enterprises - Comércio de Pilhas, Lda., Energizer, S.A., Procter & Gamble Portugal, Produtos de Consumo, Higiene e Saúde, S.A., Sony Portugal, Lda., Varta Geratebatterie GmbH and AGEFE (Business Association of Electrical, Appliance, Electronic and Photographic Sectors).

MISSION

The Ecopilhas is a private company that focuses on the integrated batteries and accumulators (SIPAU) management, and was licensed as the managing entity for this sector by the Ministry of Environment and Spatial Planning in the decision of 14th October 2002.

Thus, the main focus of Ecopilhas is to ensure that the used batteries and accumulators (SIPAU) integrated functioning, managing a set of operations that ensure the recovery, temporary storage, sorting and recycling of batteries and accumulators.

**contacts:**

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geral@ecopilhas.pt

OBJECTIVES

According to the prescribed law, Ecopilhas proposes to:

- Ensure a 50% weight selective recovery of the batteries placed on the market annually;
- Ensure the recycling of at least 75% of recovered batteries and accumulators.

PARTNERS

All public or private entities, directly or indirectly involved in the consumption of batteries and accumulators may apply to Ecoparceiros, and therefore collaborate in the batteries and accumulators recovery.

Thus could be Ecoparceiros, the following entities:

- Retailers (Tobacconists, Jewelleries and Watch Shops, Photography Stores, Appliances, Audiovisual Equipment Toys, Computer Equipment, etc.);
- Public Administration Bodies;
- Multi-municipal Systems and Association of Municipalities;
- Schools and Universities;
- Hospitals, Health Centers, Clinics and Rehabilitation Centers;
- Other.

COOPERATION

The Ecopilhas celebrates cooperation protocols with the Ecoparceiros and they compromise to receive specific recovery receptacles. The recovery will be made by Ecopilhas after Ecoparceiro express request, and Ecopilhas supports the costs of it.

Ecoparceiros may cooperate in communication and public awareness that may be developed by Ecopilhas.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



4.15 ENVIRONMENT

EPCA

COMPANY

EPCA- Environmental and Landscape Projects, Lda.

MISSION

EPCA mission is to provide the most environmentally sustainable and economically feasible solutions. EPCA goal is to offer a with range of services to its clients, allowing a complete response whatever the challenge.

VISION

Landscape architecture is the enterprise core skill; however its expertise is diverse and extends across the wider issues of planning, design and environment.

EPCA has a pro-active approach towards design, making the best of its expertise to provide the most complete and sustainable solutions.



contacts:

EPCA- Environmental and Landscape
Projects, Lda
Rua Mario Dionisio, 2ª
1600-248 Lisboa - Portugal
www.epca.pt
geral@epca.pt



ACTIVITIES

Since 2003 EPCA accumulated a vast experience in the development of more than 300 projects, always with the aim of its client satisfaction.

EPCA team has Landscape Architects, Environmental Engineers, Architects and Civil Engineers. EPCA has also a wide variety of external collaborators from diverse areas of knowledge involving Architecture, Engineering, Planning, History, Archeology, Land surveys, etc.

For the last 3 years EPCA has also implemented an internship program for national and international students, helping to establish our company has a leading project office.

PRODUCTS

Landscape Architecture, Environmental Management, Impact Assessment, Ecological Restoration, Urban and Land Use Planning, Environmental Integration.

PROJECTS

- Institutional space;
- Urban design;
- Urban Planning;
- Infrastructures integration;
- Impact environment evaluation;
- Supervision, audit and review of projects.

CERTIFICATIONS

1º Prize in the Young Ibero-American Landscape Architect Professional 2010, with the Landscape Architecture Project to the new Aveiro Harbor Capitania. The project was realized in a consortium with Estiplano Engenharia and Arquiprojecta.

This enterprise is taking part of the AICEP database.



4.15 ENVIRONMENT ISODET

COMPANY

Isodet is a Portuguese company operating since 2000 in the field of industrial maintenance and detergency.

MISSION

To develop, manufacture and sales of environmentally friendly cleaning and industrial maintenance products at a competitive price.

VISION

The main goal of the company is the full satisfaction of its costumers. For this purpose its research and development department is able to develop and optimise each product following the specifications of the customer. Additionally Isodet also supports sustainability politics using eco-friendly products.



contacts:

ISODET, Produção e comercialização de produtos de higiene, limpeza e manutenção industrial, Lda.
Rua Rodrigo Sarmento de Beires – nº 29
A, Parque Industrial do Seixal
2840-068 Aldeia de Paio Pires - Portugal
Phone: +351 212 107 229
Fax: +351 212 108 443
www.isodet.com
isodet@mail.telepac.pt

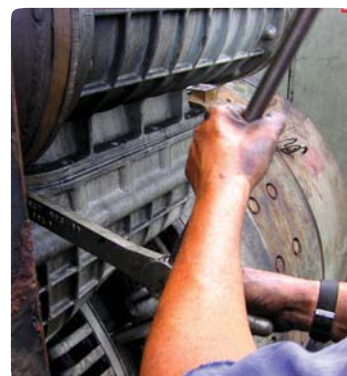
ACTIVITIES

The set of products manufactured by Isodet covers usual cleaning and industrial maintenance products, namely, detergents of general purpose, disinfectants, degreasers, disinfection tablets, and water disinfection tablets.

Currently, its main market activity focuses on eco-friendly products for waterless cleaning. In the civilian line our most successful waterless product is for outdoor vehicle cleaning. This was the origin for the development of specific products for military applications, where the basic cleaning waterless purpose is combined with the current need of anti-corrosion protection. Main products of the military line are outdoor/indoor vehicle cleaning, indoor ship cleaning, outdoor aircraft cleaning, engine room, etc..

PRODUCTS

- V8 Waterless cleans vehicles without using any water;
- Navy Waterless indoor ship cleaning, engine room;
- Air waterless outdoor aircraft cleaning;
- Emerald disinfectant wipes;
- Triton kitchen degreaser;
- Id 710 vul non foaming detergent for mechanized maintenance;
- W12 Plastic rejuvenates plastics burnt out by the sun;
- V10 Paint Shine long lasting shine;
- Nice Seat protects and hydrates leathers;
- V12 Star Engine engine cleaner;
- GT Tyre protects and given a long lasting shine to tyres;
- Clean Wheel cleans wheel rim remove mosquitoes.
- LIMPEC - Interactive displays cleans



4.15 ENVIRONMENT

Sociedade Ponto Verde

COMPANY

Sociedade Ponto Verde S.A. is a private non-profit making organization that was set up in November 1996 to promote the selective collection, take-back and recycling of packaging waste in Portugal.

MISSION

The mission of Sociedade Ponto Verde is, on behalf of packers, fillers, importers, manufacturers of packaging and packaging materials and distributors, to organize and manage the take-back and recovery of packaging through the integrated system for the management of packaging waste (SIGRE), also known as the Green Dot system.

VISION

One of the purposes of Sociedade Ponto Verde is to achieve a high degree of recovery of packaging waste, especially through recycling, so that packers' and importers' financial resources are efficiently transferred to the collection operators responsible for selective.



contacts:

Sociedade Ponto Verde, SA
Edifício Infante D. Henrique
Rua João Chagas, n.º53 -1º Dtº-Cruz
Quebrada
1495-764 Dafundo - Portugal
Phone: +351 210 102 400
Fax: +351 210 102 499
www.pontoverde.pt
info@pontoverde.pt



PRODUCTS/SERVICES

- Provides support for local authorities by means of selective collection and non-reusable packaging waste sorting programs;
- Guarantees the take-back, recovery and recycling of sorted waste under its contracts with manufacturers of packaging and packaging waste;
- Manages and deals with the final disposal of non-reusable packaging placed on the Portuguese market by packers, fillers and importers, after consumption;
- Guarantees to distributors that their non-reusable packaging is covered by an Integrated System for the Management of Packaging Waste (SIGRE);
- Promotes consumer awareness and environmental education;
- Supports research programs fostering the development of the market for recycled products and materials.

COMPETENCES

According to EU legislation transposed into Portuguese law, economic operators placing packaging on the market are responsible for the management and final disposal of packaging waste.

Waste management at Sociedade Ponto Verde is based on two management models, one for household packaging waste and the other for trade and industry packaging waste (eXtra Urbano).

Where household packaging waste is concerned, Sociedade Ponto Verde forms partnerships with municipal systems or their concessionaires (SMAUT), who are responsible for selective collection and sorting of packaging waste separated by the public in their area of intervention.

For trade and industry packaging waste, partnerships are set up with waste management operators (WMOs) who are responsible for selective collection, sorting and sending for recycling trade and industry packaging waste produced by industrial and trade and service companies.

MARKETS

The Green Dot symbol is a trademark registered in more than 170 countries. The rights for its use are managed by Packaging Recovery Organization Europe, s.p.r.l. (Pro Europe).

CERTIFICATIONS

ISO 9001; ISO 14001



4.15 ENVIRONMENT

Valorpneu

COMPANY

Valorpneu is a non-profit private limited company, created on February the 27th, 2002, with the objective to organize and manage the system for collection and ultimate disposal of used tyres. The society was licensed, for the first time, on October the 7th, 2002, by the Ministries of Economy and Cities, Land Management and Environment, as the managing entity of the SGPU - Sistema Integrado de Gestão de Pneus Usados (Used Tyres Management Integrated System), which started production on February 1st, 2003.

INNOVATION

As in the 2 previous years, Valorpneu decided to continue in 2011 with its contest for sustainable solutions for used tires in Portugal. The prize gives an incentive, and also increases awareness of the investigative work in this area performed through higher learning institutions.

Due to the success of the contest in the previous two years as well as the interest beyond the border, Valorpneu expanded its scope of entries to include those of the Community of Portuguese Speaking Countries (CPLP).

Contestants for the Valorpneu 2011 Innovation Prize are university students from CPLP countries who have or are studying towards Baccalaureate, Licenciature, Masters, PhD or Post-graduate diplomas, as well as researchers from public institutions, who are under 35 years by the time the research is concluded.



contacts:

VALORPNEU - Sociedade de Gestão de Pneus, Ldª
Avª Torre de Belém, 29
1400-342 Lisboa - Portugal
Phone: +351 213 032 303
Fax: +351 213 032 305
www.valorpneu.pt
valorpneu@valorpneu.pt

ACTIVITIES

Valorpneu, according to its licensing role as the used tyres managing entity, has as its main purpose to create and develop a system which enables to adequately manage and process the flow of used tyres generated on a yearly basis.

This context led to the creation of the SGPU - Sistema Integrado de Gestão de Pneus Usados – which can be defined as an articulated processes and responsibilities system, whose aim is the correct routing of end-of-life tyres, eliminating the need for landfill deposit and promoting collection, separation, retake and recovery. This system is financed through the collection of an Ecovalue which takes place whenever a tyre is sold in the national market (either new or used).

Valorpneu uses the Ecovalue to finance a system whose responsibility starts with the collection (via the availability of suitable areas for temporary storage of used tyres), continues with transportation (amongst the collection operators and energy recoverers) and ends at recovery (reuse, retread, recycling and energy recovery). The system also includes the promotion of its activities through the appropriate communication channels, as well as the financing of R&D activities which contribute to meet its objectives.

Used tyres dispatched by Collection Points may have four different destinations:

- Reuse; Retread; Recycling; Energy recovery.

PARTNERSHIPS

ACAP - Associação Automóvel de Portugal

ANIRP - Associação Nacional dos Industriais de Recauchutagem de Pneus

APIB – Associação Portuguesa dos Industriais de Borracha

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5. LOGISTICS

5.1 GOODS & CATERING

AROUNFIELD – (Ligar produtores e compradores numa base global)

CASA ANGOLA INTERNACIONAL – Comércio por grosso não especializado de produtos

CATERINGPOR – Catering Portugal

IBERSOL

IMPPACTO – Ideias & Eventos

Other companies worthy of reference:

PINGO DE MEL – Catering - Casamentos, Baptizados, Receções, Cocktails, Coffee-breaks

5.1 GOODS & CATERING

Aroundfield

COMPANY

Connect producers and buyers on a global basis, creating a trade network integrating suppliers, marketing and logistics.

MISSION

- Support international negotiations;
- Collaboration in implementing the export strategy, international sales and distribution;
- Preparing and organizing fairs, exhibitions and displays of products and services;
- Provision of e-commerce tool for online trading;
- Follow-up to the final destination.

VISION

Share with the world the best Portuguese traditional food and arts.



contacts:

AROUNDFIELD – PORTUGUESE TRADING
COMPANY LDA

Rua Prof. Mário Chicó, nº 2 E, 1º
1600-645 Lisboa - Portugal
Phone: +351 210 992 871
www.aroundfield.pt
anaseia@aroundfield.pt



ACTIVITIES

Sale of traditional Portuguese products.

PRODUCTS

- Olive Oil;
- Wine;
- Cheese;
- Smoke Sausages;
- Jams and Honey;
- Nuts;
- Biological Products.

SERVICES

Evaluation and preparation.

STRATEGY

- Assisting in the formation of prices for export;
- Selection of potential purchasing countries;
- Support the development of promotional materials such as website, explanatory leaflets, brochures, etc.;
- Attracting foreign customers;
- Submission of samples for product promotion, assignment, participation in trade fairs and congresses.

MARKETS

- Assessment of the company, and products offered for export;
- Assistance in preparation of the product (s) of the national company for the export market;
- Advice on the adequacy of packaging, labels in foreign languages, etc.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.1 GOODS & CATERING

Casa Angola Internacional

COMPANY

Casa Angola Internacional is a Portuguese leading company in its business, serving the shipping industry for more than half a century. Casa Angola Internacional is able to provide Mix Loads; this enables our clients, to choose from a wide range of products with competitive prices. Our assortment includes well known market brands, but also some exclusive brands, as quatro folhas, Borrelho and Casa Angola Private Blend. These brands have an excellent reputation due to its price/quality relation. He have more than 5.000 products available for mixed or full loads, by air, ship or truck.

MISSION

Casa Angola Internacional recognizes the importance of speed in the shipping world, its logistic and reliability in prompt delivery is your guarantee that the vessel can set sail as soon as possible. Its logistics are able to supply customers 24 hours a day, 7 days a week, every day of the year.

VISION

A Client Oriented and highly motivated team are your warranty that will deliver the right products at the right place. All relevant custom, food, hygiene and veterinarian licenses are available.



contacts:

CASA ANGOLA INTERNACIONAL, SA
Estrada Nacional 107, Km 10
4470-628 Moreira da Maia - Portugal
Phone: +351 220 305 000
Fax: +351 220 305 001
www.cai-sa.pt/index.php
info@cai-sa.pt

SERVICES

Casa Angola Internacional service includes the procurement and supply of a wide variety of products and goods. The range of items can vary from perishables, frozen foodstuffs, canned and tinned products to bonded stores, deck, engine and spares for onboard equipment and machinery.

Casa Angola Internacional is also able to provide combined consignments of frozen, chilled and dry cargo directly to the required destination. Among its customers are European shipchandler, and worldwide Ship Owners and Ship Managers.

MARKETS

Africa: Angola, Cape Verde, Guinea-Bissau, Mozambique, S. Tome and Principe, South Africa, Mauritania, Morocco and Namibia;

Americas: Brazil and the United States of America;

Asia: East Timor, Macau, China, India and Hong Kong;

European Community: Belgium, Cyprus, Spain, Greece, Ireland, Italy, Luxembourg, Poland and the UK;

Europe: Croatia, Iceland, Norway, Switzerland and Turkey;

Oceania: Australia and New Caledonia.

CERTIFICATIONS

HACCP - (Hazard Analysis Critical Control Point).

This enterprise is taking part of the AICEP database.



5.1 GOODS & CATERING

Cateringpor

COMPANY

Cateringpor, catering company serving the aviation, was established on June 24th, 1994.

Cateringpor is the outcome of the association between TAP Portugal and the largest worldwide aviation catering operator, LSG Sky Chefs, holding respectively 51%(TAPGER) and 49%.

It became a member of ITCA (International Travel Catering Association) in 1997.



contacts:

Aeroporto de Lisboa
Rua C, Edifício 59
1749-036 Lisboa - Portugal
Phone: +351 218 547 100
Fax: +351 218 547 167
www.cateringpor.pt
ops@cateringpor.pt

MISSION

Essentially, being renowned for high-quality in-flight catering, as well as for logistics services connected with delivery services to commercial airlines.

VISION

Bringing added value to the personal experience of travelling and becoming a business partner of passenger transport operators.



ACTIVITIES

Traditional airline catering service.

- Preparation for in-flight sales;
- Bar supply;
- Linen (blankets, pillows, etc.);
- Equipment;
- Newspapers and magazines;
- Handling;
- Other services.

SERVICES

Cateringpor as member of a global network, Cateringpor is a market leader established in Lisbon Airport. Its purpose is to provide catering, particularly in-flight, and logistics services connected to passenger airline deliveries.

CLIENTS

Air France; British Airways; Federal Express; Egyptair; Euro Atlantic Airways; Lufthansa; Sata Internationa; Angola Airlines; TAP-Air Portugal; Turkish Airlines; U.S. Airways; White Airways; Orbest; Portugalia.

QUALITY

HACCP, (health and safety regulations, procedures, workflows)

- Quality management:
 - Supplier contracting and accreditation;
 - Food safety;
 - Global quality system;
- Quality control system: Quality Control Office, included in the LSG Sky Chefs network.

CERTIFICATIONS

HACCP.

This enterprise is taking part of the AICEP database.



5.1 GOODS & CATERING

IBERSOL

GROUP

The Ibersol Group has a varied offering that provides consumers with an assortment of quality and flavour experiences. Because much of people's lives are lived outside the home, the Ibersol Group is committed to playing a central role in access to moments of pleasure, as well as healthy and careful food choices that are appropriate for the Portuguese lifestyle.

The Ibersol Group pursues a demanding policy in relation to matters such as Product and Food Safety, which is the solid basis of its Brands, whilst opening up safe routes to dynamic innovations.

These days the group practices far exceed general market standards, as Ibersol has actively developed programmes in the area of food safety and nutrition, specifically focusing on the highest standards of frying practices, monitoring sodium levels and introducing nutritional suggestions for specific groups such as children, seniors and vegetarians.

Ibersol's Catering business is represented, in Lisbon, by the José Silva Carvalho Catering company and by the the Sugestões & Opções and Solinca companies in Porto.

Ibersol is the only group within the catering industry that is represented across the country and has its own production and storage centres in both Porto and Lisbon.

Catering business turnover reached 7.5 million Euros.



contacts:

Edifício Península
Praça do Bom Sucesso, 105 a 159- 9ª
4150-146 Porto - Portugal
Phone: +351 218 390 000
Fax: +351 226 064 009
grupo@ibersol.pt

SILVA CARVALHO CATERING

Gastronomic quality and the ability to organise large-scale events are two of the qualities that remain fundamental characteristics of Silva Carvalho Catering.

In spite of current macro-economic conditions, strict cost management and increased commercial aggressiveness allow us to face the future with an optimistic outlook.

For Silva Carvalho Catering, food quality and safety is a priority. Besides the Industrial Exploration License nº 016/R/2004 that allows us to produce meals and serve them anywhere in the European Union, our Food Safety Department is responsible for the Food Safety System (based on the HACCP methodology), set-up in our main kitchen.

SUGESTÕES & OPÇÕES

In Porto, Sugestões & Opções organized 398 events, and was hired externally for a total of 33,639 hours for events. In 2010 Sugestões & Opções took part in large scale events such as the European Rowing Championship in which Sugestões & Opções served approximately 1,000 meals per day over 7 days and a gala dinner for 500 guests, in addition to Portugal Fashion in March and October, and the EDP Staff Meeting for around 3,000 people. We organized 350 events in Lisbon, and one of the highlights was services for the VIP Tent at the Rock in Rio event, and all catering services for the Euroskills 2010 European Championship of Professionals. In the private social events segment, the number of wedding and birthday parties it catered rose.

SOLINCA EVENTOS E CATERING

In 2010, Ibersol acquired the Solinca Eventos e Catering, S.A. Company. Solinca, which is a benchmark for quality in this market segment, and which stands out for its quality cuisine, service excellence and ability to organise large-scale events, has enabled the Ibersol Group to strengthen its positioning within this market.

In 2010 Solinca organised 349 events, serving approximately 70,000 customers. Solinca, which has a particular focus on the business segment, boosted its position of leadership in providing catering services for large events and congresses. It catered meals and coffee breaks at the main congresses hosted in Porto, most notably the World Congress of Public Health Nutrition, the European Society of Regional Anaesthesia (ESRA), the World Congress of Aquaculture, and the European Resuscitation Council (ERC).

CERTIFICATIONS

ISO 22000 standard, the international food safety standard granted by APCER.

This enterprise is taking part of the AICEP database.



SILVACARVALHO
CATERING

SUGESTÕES & OPÇÕES

.....
SOLINCA
Eventos e Catering

5.1 GOODS & CATERING

IMPACTO

COMPANY

A Impacto is a firm that is able to provide all kind of organisation services, namely catering.

MISSION

Impacto is a Services Company dedicated to organizing, in whole or partially, any event. With its own space (Quinta da Regateira) and also able to provide catering services.

VISION

Understand customer needs and work together in perfect harmony with them, combining the rigor and sense of responsibility; this is its way of working.

- Work Integrity;
- Professionals connected to the hotel and catering industry;
- Quality of the products supplied;
- Punctuality;
- Each event is unique, with different needs and goals.

contacts:

IMPACTO – Catering e Events
Estrada Nacional 377 N17 A
Rua do Botequim – Lazarim – Portugal
Phone: +351 212 962 365
Fax: +351 212 971 020
www.impacto.com/home.asp
info@impacto.com



SERVICES

- Coffee Breaks;
- Lunch;
- Dinner;
- Events;
- Cocktails;
- Anniversary of the company;
- Christmas Celebrations;
- Conferences;
- Event Decoration.

CLIENTS



CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.2 FOOTWEAR

CAMPORT – Loja do Homem

LAVORO – Safety, Professional and Occupational Shoes and Boots

TROFAL – Fábrica de Calçado

5.2 FOOTWEAR CAMPORT

MISSION

Its mission is to timely satisfy consumers with high quality modern products , in the mid-high segment, with a prestigious offer whose benefits of comfort, quality and design have always been its trusting core values.

VISION

Continuously develop comfort solutions and technologies;

- Enhance the reputation and visibility of the brand in international markets;
- Sustained growth of Camport chain stores, distributors and agents.

Camport

contacts:

CAMPORT
Fábrica de Calçado Campeão
Português, S. A.
Rua Comendador Domingos Torcato
Ribeiro, n.º 2
4810-015 Guimarães - Portugal
Phone: +351 253 439 700
www.camport.pt

PRODUCTS / SERVICES

Air System

- Breathable, stimulating and comfortable insoles;
- This line comes equipped with an insole that possesses a dynamic multiple channel system, where the pressure of body weight stimulates continuous air circulation, refreshing the feet and increasing sense of comfort.



Anti Static

Anti-Static ESD 35 MOhm

- Anti-Static ESD 35 MOhm Footwear is based on a technology that provides an electrical resistance which varies between 1-35 MOhm, preventing accumulation of static electricity by the body. The acronym ESD (electrostatic discharge) means discharge of static electricity and is associated with high performance anti-static footwear. Thus the nuisance of electrostatic shocks is avoided, increasing the welfare and safety of its users.



CERTIFICATIONS

Company certified by BSI to ISO 9001. Camport is a registered trademark with the NIIP-National Institute of Industrial Property and officially certified by ICEP. This enterprise is taking part of the AICEP database.



5.2 FOOTWEAR LAVORO

COMPANY

Lavoro, an innovative brand.

With 15 patents, the ICC - Lavoro is the third national company with the largest number of registered patents and the only non-pharmaceutical in the first four spots in the most innovative industries ranking.

CORK CLIMATE SYSTEM, BOX TOE, RSA and 3D VARIO are just four examples of the creative capability that favors and distinguishes ICC - Lavoro in the competitive international markets.

MISSION

With advanced research and continuous development, we contribute to your safety and your professional comfort. Lavoro places at your service its experience, expertise, innovation and quality performance. Lavoro joins harmoniously prestige and luxury, comfort and safety.

VISION

Lavoro innovates and develop to make you feel comfortable and safe.



contacts:

ICC – Indústria e Comércio de
Calçado, S.A.
4810-718 Guimarães – Portugal
Phone: +351 253 520 669
Fax: +351 253 140 905
www.lavoro.pt
info@lavoro.pt

PRODUCTS

Cork System Climate

- It is a unique system, registered internationally, that allows creation a natural environment for the feet, either in the area of temperature and in accommodation to shoes.

Toe Box

- Produced with composite materials, lighter and resistant, with high capacity of energy absorption, the TOE BOX has an exceptional 'memory capacity. "

Responsive Shock Absorption

- The new Responsive Shock Absorption (RSA) system, patented by the ICC - Lavoro revolutionizes shock absorbing shoes.

3D Vario

- Resulting from studies in podiatry, 3D VARIO is a system unique in the world, allowing properly wearing shoes on feet with same length but with different volumes.

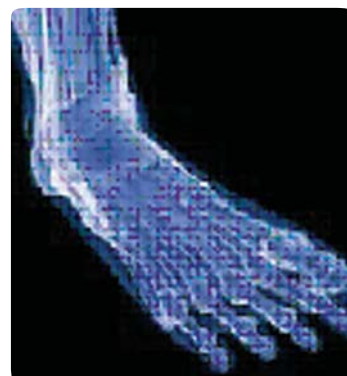
MARKETS

In terms of distribution, the ICC - Lavoro, that exports 90% of its production to 30 countries, has been broadening its base of buyers. It is present across the European Community and in other markets such as Switzerland, Norway or Canada. Since early 1990, the ICC - Lavoro owns a German distribution company and, expressing a sustained internationalization policy, is seeking partners in various markets.

CERTIFICATIONS

The ICC, certified by NP EN ISO 9001 2008, and its LAVORO brand, have also other certifications issued by leading international organizations in the area of safety footwear, which act as a guarantee to the high standards of our products. They are the CTC in Portugal, the SATRA in the UK and the PFI in Germany.

This enterprise is taking part of the AICEP database.



5.2 FOOTWEAR TROFAL

COMPANY

The Trofal produces shoes in the Goodyear stitched keeping a tradition since 1903 as the custom manufacturing, where most operations are done by hand by skilled craftsmen.

Use the best materials and care products use natural, recycled and biodegradable natural sewn with yarn, instead of the chrome tanned leather and glue solvents normally used in industry.

The Goodyear footwear made in Trofal involves more than 180 different operations and can take up to 6 weeks to manufacture, the versatility of this manufacture system make possible to meet the most basic needs of the user type, satisfying all there needs while respecting the trends fashion.



contacts:

TROFAL - FÁBRICA DE CALÇADO, S.A.
Estrada da Ribafria 47 - Apartado 18
2475-901 Benedita - Portugal
Phone: +351 262 925 300
Fax: +351 262 925 309
www.trofal.com
trofal@trofal.com

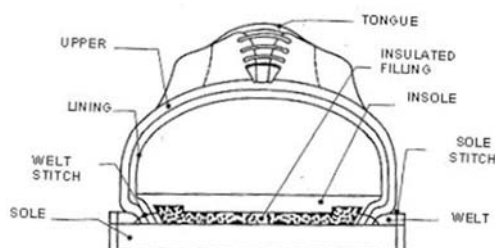


TECHNOLOGY

The traditional manufacturing method "Goodyear Welted" is known for its comfort, breath ability, flexibility, protection from heat and cold, durability, easy repairing which Trofal guarantees.

Beneficts of Goodyear Welted Shoes produced in Trofal.

The Goodyear construction allows for a special comfort. The insole adapts to the foot while it filters perspiration isolating the foot thermally from adverse factors.



CERTIFICATIONS

The Trofal was in 1995 the first company in the footwear industry in Portugal with the certification implemented, is certified according to ISO9001 standard, striving for continuous improvement in each of its processes.

This enterprise is taking part of the AICEP database.

5.3 PUBLIC WORKS

BORGES & CANTANTE – Construções

COBA – Consultores de Engenharia e Ambiente

EUROCOVER – Fabrico e Comercialização de Coberturas Têxteis

GRAVINER – Construções

MARTIFER – Construções Metalomecânicas, Projecto, Fabrico e Montagem de Estruturas

MOTA-ENGIL – Engenharia e Construção, Ambiente e Serviços, Concessões de Transporte

MSF – Construções

SOARES DA COSTA – Construção

SOMAGUE – Construção e Empreitadas

TEIXEIRA DUARTE – Engenharia e Construções

Other companies worthy of reference:

COMPROJECTO – Projectos e Construções

LENA – Construções e Máquinas Agrícolas

SITEL – Sociedade Instaladora de Tubagens e Equipamentos

VISABEIRA – Telecomunicações e Construção, Indústria, Turismo, Imobiliária e Serviços.

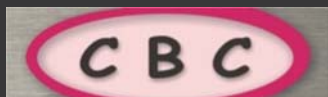
5.3 PUBLIC WORKS BORGES & CANTANTE

COMPANY

The company Cantante Borges & Construction Ltd., is implanted in the public works market since 1983. Its headquarters is located in Charneca da Caparica but operates throughout the country.

CBC has a high order backlog among various bodies which includes the Ministry of Defence, Regional Buildings of Lisbon Directorate (DREL), Regional Monuments of Lisbon Directorate, Regional Education of Lisbon Directorate, Navy - Infrastructures Directorate, Lisbon City Hall, among other public and private entities

To ensure total customer satisfaction the company Cantante Borges & Constructions Ltd., the structure of the firm is based on a solid technical and skilled, with expertise in various areas of construction, including construction and restoration at Heritage Protected Area.



contacts:

CANTANTE BORGES & CONSTRUCTION LTD
Rua António Andrade, 1147
Edifício Andune, 1º Dto
2820-287 Charneca da Caparica - Portugal
Phone: +351 212 973 131
Fax: +351 212 973 328
www.cbc.pt
geral@cbc.pt

MISSION

The proper rational use of material and human resources is essential to ensure quality in construction and the consequent cost control. To this end, the company Cantante Borges & Construction Ltd., gives particular attention to Planning, Production and Quality Control.

ACTIVITIES

- Main - Civil construction & Public works;
- Other activities - Real Estate Purchase and Sale of Properties;
- Currently CBC works mainly on rehabilitation of buildings.

PERFORMANCE

CBC has performed varied works such as: Walk to the Portuguese in the Plaza of City Hall Mayor of Cascais, the Refectory of Squares Reconstruction of Marine Base (Alfeite) Construction of a Dining Hall for the Social Services Council Presidency of Ministers (Foz Palace) and the intervention in various buildings of high value assets such as: Monastery of St. Vicente de Fora, Ratton Palace (Constitutional Court), Teatro Nacional de S. Carlos, Farol da Ponta das Lajes on the island of Santa Cruz das Flores (Azores), among many others ...

To ensure total customer satisfaction the company Cantante Borges & Constructions Ltd., is based on a solid technical infrastructure and skilled, with expertise in various areas of construction, including construction and restoration at Heritage Protected Area.

The proper rational use of material and human resources is essential to ensure quality in construction and the consequent cost control. To this end, the company Cantante Borges & Construction Ltd., prints particular interest in Planning, Production and Quality Control. CBC was awarded in 2000 and 2001 with the Award SME EXCELLENCE – CONSTRUCTION

CERTIFICATIONS

This Company was awarded in 2000 and 2001 with the Award “SME EXCELLENCE - CONSTRUCTION “.

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS

COBA

COMPANY

COBA, S.A. is the largest engineering consultancy company in Portugal, established in 1962. With an international experience of almost 50 years, it has been operating extensively in Europe, Africa, namely in the Maghreb and in the Sub-Saharan region, in Latin America and in the Middle East, totalling 34 countries.

Initially concentrated on the dam study and other hydraulic developments, it has been expanding to other sectors, offering nowadays a comprehensive range of services covering the various disciplines of engineering associated with transportation infrastructures (roads and highways, railways, airports), hydroelectric power generation and transmission, water supply and waste water schemes, agriculture and rural development, environment and cartography and cadastre.

Along with this expansion, COBA has creating affiliates or acquiring the share capital of other national and foreign consulting engineers, being nowadays the lead company of COBA GROUP. It is a privately owned, independent Group, employing about 400 people, over 60% forming the university technical staff skilled in the numerous fields of activity of the Group.

Its turnover, during the last years, reached the amount of above 30 million Euros.



contacts:

COBA - Consultores para Obras, Barragens e Planeamento, S.A.
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Fax: +351 217 970 348
www.coba.pt
coba@coba.pt

ACTIVITIES

- Hydraulic undertakings;
- Electric power generation and transmission;
- Water supply and sanitation;
- Agriculture and rural development;
- Transportation infrastructures;
- Geotechnical structures;
- Environment;
- Cartography and cadastre;
- Works safety control and rehabilitation;
- Management and supervision of construction works.

TECHNICAL DEPARTEMENTS

- Studies and Development;
- External Activities;
- Transportation Infrastructures;
- Natural Resources and Equipment;
- Geotechnics;
- Structures;
- Environment and Landscaping;
- Project Management and Construction Supervision.

QUALITY ASSURANCE

COBA is certified by Standard ISO 9001 from the APCER – Portuguese; Association for Certification and is also certified as “Quality Manager in Construction Works” given by the Quality Committee from LNEC – National; Laboratory for Civil Engineering, with the higher marks in all classifications.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS

Eurocover

COMPANY

Eurocover is a portuguese company in textile industry, detaching itself from the others by making and/or distributing a wide range of products and services of excellent quality, updated and bold.

MISSION

Eurocover's mission is to provide the maximum use of spaces safely, conveniently and comfortably, providing to their customers solutions that meet their needs whether in relation to amenity, industrial spaces, sports facilities whether local events. Eurocover's mission is only accomplished when its client is satisfied.

VISION

Young, Dynamic and directed to the customer, the company already operates in sectors from Logistics to cultural events, from industry to sports, passing through pools and amenity, amongst others.

For each market a distinct offer, for each need a special solution.



contacts:

Eurocover
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Várzea
2005-001 Várzea Str – Portugal
Phone: +351 243 357 400
Fax: +351 243 357 440
www.eurocover.pt
eurocover@eurocover.pt



SERVICES

An integrated and global offer!

Except an excellent integration between the design phase to manufacturing in addition to a technical and commercial support for custom monitoring of their project (study, fabrication, making, and maintenance.

Technical assistance

To assure complete satisfaction of its customers, Eurocover has a wide range of services not only to solve small proper inconveniences of its use, maintenance and conservation after setup, but also facilitate/advise the adequate choice of each need.

Technical teams are composed by qualified technicians; they have proper transportations and tools, assuring a quick and efficient technical assistance.

The purchase of an Eurocover product you have the right to the best technical assistance in or out of the guarantee. Eurocover will do whatever it takes to support you in anything you need.

PERFORMANCE

Eurocover focus all its action on the customers, in order for them to feel always accompanied and to be absolutely certain that the satisfaction of their need is vital to Eurocover. Eurocover wants to assist our clients' evolution, knowing them better and better, and being even able to anticipate and act so that they feel confident and fully satisfied, by the sincere involvement in the success of their own strategies.

MARKETS

- Logistics;
- Aviation Industry;
- Bases Vie;
- Defense, Official bodies NGOs;
- Remote Site catering companies;
- Local Authorities;
- Exhibition Centres;
- Car Industry;
- Food Industry;
- Packaging.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.

5.3 PUBLIC WORKS GRAVINER

COMPANY

At the time that Gravinier, S.A. prepares to celebrate its 25th Anniversary it holds an excellent potential of business. The Administration redefined its strategies: raising Gravinier to a position of greater prominence in Portugal, through the development of its human resources, business and the selective exploitation of chances in new business areas.

MISSION

Building in accordance with the Charter and accreditations, investing in production and creating of value in the success of all "works" and seeking to ensure the complete satisfaction of stakeholders, through a high standard quality, safety and environmental protection system.

VISION

To detect and identify construction equipment in harsh environments typically encountered daily in the works developed by the company.

GRAVINER

contacts:

GRAVINER, S.A.
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1495-132 Algés – Portugal
Phone: +351 214 124 400
Fax: +351 214 124 499
www.graviner.pt
graviner@graviner.pt

PRODUCTS

The supply of Products and Solutions provided by Sybase in the Portuguese market allows companies to ensure access and management of precious information and value to your business in a simple, intuitive, secure, anywhere, via any mobile device.

ACTIVITIES

Throughout its existence, Gravinier has always sought to reach a standard of excellence at all levels.

In a more and more competitive and demanding market, the Administration of Gravinier, S.A. finds extremely vital to keep up with technological developments, thus investing on the purchase of new equipments, both for the construction sites and the office. Moreover, the company considers important to recruit highly qualified professionals in all areas, from the Estimation staff to the Construction Management sector, also including the division responsible for the preparation of the construction process, by continuously providing its employees with professional training.

As a result, the company's quality of work increases, the time for replying is reduced and the main satisfaction of our clients becomes our chief priority.

As a result, Gravinier's merits have been acknowledged, the company having been for four times awarded by the I.A.P.M.E.I. with the Award of PME Excellence. Furthermore, the company was granted by the magazine "Exame" the title of the best PME in the Engineering and Construction sector in the year of 2000.

QUALITY

Gravinier S.A., aware of the problems of the sector in which it is incorporated and namely aware of the reduction of opportunities, consequence of a context in which the offer exceeds the demand, considers innovation the capability to reply, and flexibility as well as learning the main sources of competitive advantage.

Wishing to be always ahead in the Construction Market and close to the client needs the Gravinier's Board has created the essential foundations for the development and implementation of a Quality Management System.

CERTIFICATIONS

Certificate of Conformity of its Quality Management System (nº 008-03) granted by CERTICON, EN ISO 9001:2000 ; NP EN ISO 9001-2008; OHSAS 18001:2007/NP 4397:2008; PME LÍDER.

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS

Martifer

COMPANY

Martifer began its activity in 1990, in the steel structures sector. Today, in the year that celebrates its 20th anniversary, Martifer SGPS SA is a holding company of a group of enterprises focused on two different sectors, Metallic Construction and Renewable Energy. The Renewable Energy sector has three main business areas, Energy Equipment for wind energy (through Martifer Energy Systems), Solar (Martifer Solar) and RE Developer - development of wind farms (Martifer Renewables).

Martifer SGPS SA is the holding company of the Group, responsible for the definition of rules, policies and the strategic orientation of the entire Group.



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3684-001 Oliveira de Frades – Portugal
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Fax: +351 232 767 750
www.martifer.pt
info@martifer.pt

MISSION

Martifer Solar is a committed company, committed to the Environment and to its workers. Martifer works to make the energy obtained from the sun profitable, and to satisfy a growing public demand: to produce energy that is not harmful for the health, that does not destroy the natural surroundings and that respects the air Martifer all breathes. This is why research and development is one of its keystones, Martifer wants to invest in the future. But it also knows how to invest in the present and for this reason the safety, promotion and training of its workers is essential.

ACTIVITIES

Steel Structures

- Specialized in metallic constructions, Martifer is very well-known for the large-scale and production capacity of its factories. The group builds Bridges, Industrial plants, skyscrapers, stadiums and airports with metallic solutions that balance technology, design and execution capacity.

Aluminium

- From the preliminary design to the final project, Martifer Aluminium makes glass, aluminium and light panel façades. The company uses new construction methods as well as innovative materials, assuring that the style and architectural design are totally integrated in the environment.

Stainless Steel

- The efficiency of Martifer Inox's human resources, combined with the technology of its production unit, allows it to achieve the technical level recognized by its clients in the variety of solutions it offers.

VALUES

- Innovation: Martifer surprises and creates value in the business lines that we operate in;
- Passion: Martifer is totally devoted to the work we develop;
- Honesty: **Martifer bases every relationship that we establish on ethical principles of integrity;**
- Excellence: Martifer sets ambitious aims and we use all the competency to fulfill them;
- Trust: Martifer tirelessly tries to surpass the expectations of our stakeholders.
- Social responsibility: Martifer acts according to a sustainable development logic in economic, social and environmental areas;
- Talent: Martifer promotes the development of knowledge and abilities of our professionals.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS MOTA-ENGIL

COMPANY / FIRMS

Mota-Engil is market leader in Portugal in construction and civil engineering areas, Mota-Engil has been increasingly diversifying its presence in other business and economic sectors, while strengthening its involvement in international markets.

MISSION

- To enhance Communication within the Group;
- To promote of National and International Image;
- To promote Transversal Management Procedures and Practices for the entire Group, through a Human Resources Integrated Policy, in a Discipline and Commitment framework.

VISION

The Mota-Engil Group aims to be market leader in all business areas where it operates.



contacts:

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Fax: +351 214 158 700
www.mota-engil.pt
rui.a.gomes@mota-engil.pt

ACTIVITIES

Infrastructures

- Highways & Railways;
- Bridges & Viaducts;
- Ports and Airports;
- Dams & Hydraulic Infrastructures;
- Silos & Chimneys;
- Infrastructure Maintenance;
- Quarrying.

Buildings

- Shopping Malls & Hotels;
- Industrial Construction;
- Housing & Offices;
- Hospitals;
- Schools & Public Buildings;
- Rehabilitation of Buildings.

Real Estate

- Housing;
- Offices;
- Commerce;
- Business Centres.

MARKETS

Enhance, in a partnership scheme, new business areas with the Martifer Group, in Portugal and in other countries, where there is a current presence.

Martifer Group has already a significant presence in the areas of environment and services, transport claims, industry and energy and operations in several countries on four continents. Martifer Group wants to be one of the most important economic groups in Portugal. Martifer Group approach is based on a clear development strategy, taking advantage of synergies and integration of a wide array of businesses centered on the chain of values of Construction with performance levels aligned with the best international and market practices in a strategic growth and diversification framework that generates value and ensures solid and sustainable business in the long term.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS MSF - CONSTRUÇÕES

COMPANY

Since its founding on October 20, 1969, and throughout its activity, MSF has lead the implementation of large scale engineering projects of great technical complexity, and has made an unquestionable contribution to the modernisation of Portugal and the different countries in which it operates.

One of the company's most valuable assets is the vast experience which enables the organisation to participate in all of the diverse construction segments and speciality areas including; dams, tunnels, irrigation networks, conduits and canals, maritime works, roads, highways, bridges, viaducts, railways, airports, industrial and building construction and repair.

MISSION

MSF's mission is to imagine, promote and construct new realities, giving the best response to clients' challenges, ensuring a healthy professional development to our employees, providing adequate return to share holders and contributing to sustained progress of the territories where it operates, consequently improving the quality of life of the populations involved.

VISION

Credibility, economical and financial soundness and technical competence are the underlying philosophies that have governed MSF's activity since its origin.



contacts:

MSF - CONSTRUÇÕES
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Phone: +351 217 215 300
Fax: +351 217 215 599
www.msf.pt
contactos.msf@msf.pt



COMPETENCES

A large part of the strategic competences held by MSF is the result of knowhow and the appreciation of their professionals. The Company employs more than 2220 collaborators in the various countries it operates in. With an average age of 41 years, 56% are management and highly qualified technical staff.

STABILITY

MSF is an organization with firmly established credibility in the civil construction and public works sector.

Its technical competence, management capability, deadline fulfilment, quality performance and financial soundness are demonstrated in the works in which it participates.

INVESTMENT

In 2009, approximately 37% of the company's turnover was sourced abroad. MSF's consolidated turnover reached 307.8 million Euros, returning consolidated net income of 5.1 million Euros. Earnings before depreciation, adjustments and provisions (EBTIDA) reach 34 million Euros.

Aware of upcoming challenges, and the need to create new conditions for self-sustained corporate development, MSF adopted organisational measures that will position the company to take advantage of emerging opportunities in its several markets.

INTERNATIONALISATION

The company's internationalisation started in 1997. Works were executed or are underway in Angola, Bulgaria, Cape Verde, Ghana, Equatorial Guinea, Namibia, Poland, São Tomé and Príncipe and Senegal, in addition to the investment projects that are currently being studied in other countries in Africa and Central and Eastern Europe.

CERTIFICATIONS

The company is certified by the Portuguese Security Authority to work at NATO CONFIDENTIAL, CONFIDENCIAL, CONFIDENTIEL U.E and WEU CONFIDENTIAL levels.

MFS' Integrated Quality, Safety, and Environmental Management System is certified since 2007 for compliance with the NP EN ISO 9001 (Quality), OSHAS 18001 (Health and Security) and NP EN ISO 14001 (Environment) standards, and the scope of this certification includes the execution of Civil Construction and Public Works by MSF in Portuguese territory.

This enterprise is taking part of the AICEP database.

5.3 PUBLIC WORKS

SOARES DA COSTA

COMPANY

Soares da Costa Construction holds several companies engaged in the nuclear activity of the Group: the execution of contracts for general construction and civil engineering in Portugal and abroad.

This is the true anchor of the group and the direct descendant of the mother-company, from which it inherited traditions, knowledge and technical capabilities in the areas of civil construction and public works. It is the corporation that most contributed to the consolidated business volume of the Group with a result of 317 million Euros in 2006. This number represented 61.6% of the activity in the construction sector.

MISSION

Meet the demands of the market and its customers through a sustainable business model, skilled and motivated resources, generators of economic value, in order to provide an attractive return to shareholders.

VISION

Being an economic and construction services / concessions with international projection levels of profitability and shareholder value creation in line with best global references in the industry.



contacts:

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1649-039 Lisboa - Portugal
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Fax +351 217 958 484
www.soaresdacosta.pt
geral@soaresdacosta.pt

ACTIVITIES

- Real Estate;
- Industry;
- Real State;
- Environment and Energy.

COMPETENCES

Endowed with the ability to entirely execute quite varied projects, including all types of infrastructure, with its own resources, the company, Sociedade de Construções Soares da Costa possesses credibility and know-how; factors that constitute the great value of its brand.

SOARES DA COSTA CONSTRUÇÃO SGPS, S.A.

This is the true anchor of the group and the direct descendant of the mother-company, from which it inherited traditions, knowledge and technical capabilities in the areas of civil construction and public works. It is the corporation that most contributed to the consolidated business volume of the Group with a result of 317 million Euros in 2006. This number represented 61.6% of the activity in the construction sector.

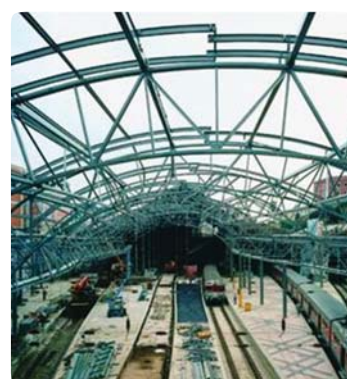
This corporation centralizes the Group's portfolio of financial participation in companies associated with the business of concessions. Its mission, through the respective participations or the creation of new companies, is to recruit and explore, in Portugal, and in the international market, infrastructure or public services concessions with a strong construction or civil engineering element.

MARKETS

The company currently possesses projects in Portugal, Angola, Mozambique and Guinea-Bissau where it is the primary contractor, and is providing services or subcontracted work to other corporations of the Group in São Tomé and Príncipe, Costa Rica, Mozambique and Romania.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS SOMAGUE

COMPANY

Somague, is a group of Portuguese companies operating in the fields of engineering and railway and port construction, water and energy concessions and real estate.

The companies forming the group are Somague Engineering, which operates in the fields of construction and public works; Somague Ambiente, whose area of operation fits in environmental infrastructures such as sanitation, waste or green spaces, and Somague real estate, which deals with projects and businesses related to property. The group portfolio includes several projects in Portugal and abroad, especially in Spain and Brazil.



contacts:

Rua da Tapada da Quinta de Cima - Linhó
 2714-555 Sintra - Portugal
 Tel: + 351 21 910 40 00
 Fax: + 351 21 910 40 01

VISION

Being a successful business firm in the field of public works and civil construction in which it develops its activity, ensuring the satisfaction and confidence of its customers for the quality and competitiveness of their products and services.

MISSION

Ensure a sustained and continuous improvement of the quality of life of population, building the infrastructure of the future, based on the highest standards of performance in terms of quality, cost and time.

VALUES

Innovation, Group Spirit, Customer Oriented, Professional Development, Ethics and Social Responsibility, Respect for the Individual, Organizational Quality.

STRATEGY

Somague, which is now a member of a large European group – Sacyr Vallehermoso –, is well-known for its role in the creation and construction of infrastructures, which have allowed the lives of many Portuguese people to be significantly improved in the last six decades.

Somague's strategy includes the following key elements: innovation, the creation of partnerships, the use of new and improved technology and entry into new markets.

In a company in constant change, the challenges set for us are ever greater, ever more demanding and, necessarily, ever more ambitious.

Somague is aware of these challenges and is determined to embrace them and to continue to pursue them should they prove to be important. In order to do so, we are counting on the cooperation of all of our teams.

ACTIVITIES

- Real Estate;
- Construction;
- Environment.

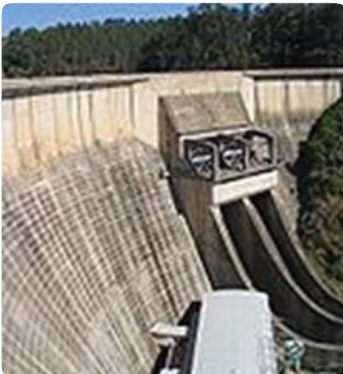
PROJECTS

- Dams;
- Bridges;
- Port infrastructure;
- Railway infrastructure.

CERTIFICATIONS

Quality - ISO9001

This enterprise is taking part of the AICEP database.



5.3 PUBLIC WORKS TEIXEIRA DUARTE

COMPANY

In 1921 the Teixeira Duarte group created its foundations.

Working since 1921 in the market, Teixeira Duarte is nowadays one of the major business groups in Portugal present in 16 countries and with an operational income over 1.300 million Euros per year.

For the past eight decades Teixeira Duarte has been building a responsible and skilled strong image, known for its high quality standards. The process of internationalization has begun in the 70's and as a result the Group was established in four continents.

MISSION

The Real-Estate Area of Teixeira Duarte has as mission the promotion, management and marketing of real-estate projects, having as principles and values in its performance policy the respect of the commitments assumed, the client satisfaction and the creation of value for the Company.

INTERNATIONALISATION

Actually, Teixeira Duarte operates in Portugal, Angola, Algeria, Brazil, Spain, Morocco, Mozambique and Venezuela, as well as France, Libya, Sao Tomé, Tunisia and Ukraine.



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www.teixeiraduarte.pt

geral@teixeiraduarte.pt

VALUES

Art and resourcefulness, key concepts in the Teixeira Duarte culture, are manifested in the care given to the design and the construction details of each project, together with a creative and innovative attitude. The search for excellence at a technical level and the strictness in following deadlines are highlights of our positioning.

ACTIVITIES

Besides the Real-Estate Area, Teixeira Duarte acts in the most various sectors: Private and Public Construction, Cement, Concrete and Aggregates, Retailing and Services, Hotel Industry, Food Industry, Distribution of Fuel and Vehicles' Sales.

Teixeira Duarte actually has a workforce with more than 13.000 employees and is recognized as a responsible and a serious company that fulfils its commitments due to its technical competence and high quality standards in its work and product.

EXPERIENCE

For over 30 years, either in the construction of master plans at a city level, or in the rehabilitation of real-estate patrimony in the historic city centres, we have created a multidisciplinary team with a long record of completed projects.

The several developments created have provided Teixeira Duarte with a vast experience, with intervention in important housing projects, offices, commercial spaces, hotels, logistics parks and public parking spaces.

QUALITY

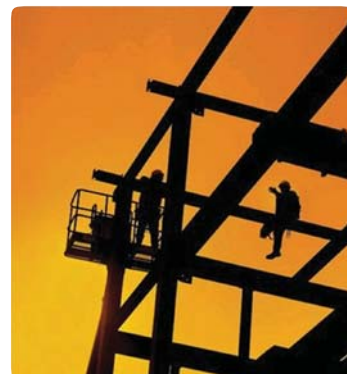
Regardless of its use or location we promote our projects taking guidance from rational and innovative criteria in order to attain a positioning of highlighted and recognized quality that is the image of the Group in the market.

GUARANTEE

Seriousness and credibility are our flags and the client's satisfaction our point of honour. From design to finishing and delivering our products we control all the stages of the process also providing the necessary, personalized after-sales support.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.4 TRANSPORTS

CP – COMBOIOS DE PORTUGAL

LUIS SIMÕES, S.A. – Transports

PATINTER – Portuguesa de Automóveis Transportadores

TAP PORTUGAL – Transportadora Aérea Portuguesa

Other companies worthy of reference:

RETA – Locação e Gestão de Frotas

SDV Portugal – Agentes Aduaneiros e Similares, Transitários

URBANOS – Logística Integrada

5.4 TRANSPORTS CP

COMPANY

CP is responsible for rendering national and international passenger rail services. Within the sector CP works with the rail infrastructure manager, REFER, and with the rail regulator for planning and coordination, IMTT. It has 3300 workers and carries over 130 million passengers a year, making it Portugal largest transport operator.



contacts:

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www.cp.com
webmaster@cp.pt

MISSION

To offer passenger rail transport services in an innovative way safeguarding the environment and improving safety.

VISION

To be the best transport service company, directed towards the customer while remaining a friend of the people and the environment, able to satisfy the customers' expectations in terms of quality and safety, guided by criteria of effectiveness and competitiveness.

PRODUCTS/ SERVICES

- Urban Services;
- Regional Services in Portugal;
- Internacional Services.

MARKETS

- CP Cargo SA offers logistics solutions for the transport of large volumes of goods, whether movable containers or boxes, bulk cargo, steel, building materials, forest products and automobiles;
- Through its own fleet of transport appropriate for each type of material, CP guarantees coverage nationwide. Freight will require detailed and updated knowledge of rules and regulations in force, taking the load CP SA advantage of their skills and knowledge for the transport of goods in accordance with all regulatory requirements;
- CP Carga offers is directed at companies in various sectors and specialized logistics providers, its goal is to offer services tailored to customer needs.

CERTIFICATIONS

ISO 9001: 2000

ISO 14001

This enterprise is taking part of the AICEP database.



5.4 TRANSPORTS

LUIS SIMÕES

COMPANY

Luís Simões, S.A. started its operation in 1968 as a transport and logistics company. Today, their core business represents about 90% of turnover. In addition to the core activity, making use of the resources available, the property section has expanded to other related activities, increasing the profitability of other property assets owned by Luís Simões to make the most of opportunities. They diversified to units as fleet management, trailer production and property management. The company has approximately 1810 workers and carries over 130 million passengers a year, making it Portugal largest transport operator.

MISSION

To guarantee efficient and competitive solutions in transport, logistics and auxiliary services, promoting satisfaction among customers and society in general economically, socially and environmentally.

VISION

To set the standard in the Iberian Peninsula for quality of service in the transport and logistics sector.



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INNOVATION AND SUSTAINABILITY

In Luís Simões innovation is understood as a condition of survival. Only research and develop new processes and new services will be able to anticipate customer needs and gain competitive advantages. The Luís Simões is a founding member of COTEC – Business Agency for Innovation.

PROJECTS

- Ecodriving;
- The Logistics Operations Center of the Future;
- The Diploma of Honour of International Road Transport Union;
- LSnet;
- Sustainability Report;
- 1st Sustainability Report LS 2008.

10 REASONS FOR CHOOSING LS

- 60 years in the market;
- Proactive with a culture of innovation;
- Dense network in the Iberian Peninsula;
- Dimensions and structure of the fleet of vehicles and over 250,000 m2 of storage;
- High performance of information systems, regularly audited by large multinational clients;
- Highly qualified operators and motorists and a professional management team;
- Personalised solutions;
- Flexibility;
- Rigour;
- Reliability;

MARKETS

Transport and logistics together represent about 90% of turnover and they are considered the core business of Luís Simões. Supplementary activities have seen sustained growth, fitting the strategy of diversification outlined at the end of the 1980's.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.4 TRANSPORTS PATINTER

COMPANY

Patinter started its operations in 1967.

Assuming a prominent place among the leading companies in the international transport sector in Europe, Patinter grows along with the expertise of four decades, built on knowledge and accuracy in national and international markets.

MISSION

Satisfy the expectations of our clients and exceeding them wherever possible, through continuous improvement of our services which we contribute.

VISION

Continue being an example in the marketplace, through the quality of the services we offer and through the excellence of our mission.



contacts:

Patinter, S.A.
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www.patinter.net
patinter@patinter.net



PRODUCTS/ SERVICES

- General cargo;
- Palletized load;
- Temperature controlled Load;
- Transport of perishable foodstuffs;
- Transport of indivisibles.

ACTIVITIES

- Cross-Docking;
- Integrated Logistics;
- Warehousing;
- Distribution;
- International Transport;
- Temperature Controlled Transport.

CERTIFICATIONS

This enterprise is taking part of the AICEP database.



5.4 TRANSPORTS

TAP PORTUGAL

COMPANY

TAP Portugal is the leading Portuguese airline in operation since 1945, and a member of Star Alliance, the global airline alliance which offers its customers a smooth and world-wide travel experience, since March 2005. The company's worldwide route network comprises of 67 destinations in 31 countries and, on average, it operates over 1850 weekly flights.

VISION

TAP continuously seeks to provide its customers with the best and convenient solutions for their travels, continuously adding value to the product it offers.

MISSION

TAP intends to turn itself into a high visibility and preferred airline of choice on the international air travel stage, taking advantage of business opportunities in markets where it competes and to differentiate itself with its operational efficiencies and quality of service. The Company aims to build, at every opportunity, the best choice for its customers' travels, as well as to assure its Shareholders with the most adequate levels of profitability while offering its employees the best conditions of professional development.



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PRODUCTS/ SERVICES

- TAP Executive;
- TAP Plus;
- TAP Classic;
- TAP Basic;
- TAP Discount.

MARKETS

TAP have connections with:

- Europe;
- Africa;
- North Atlantic;
- Mid Atlantic;
- South Atlantic;
- Mainland Portugal;
- Madeira;
- Azores.

CERTIFICATIONS

Portugal:

Portuguese Air Force / NATO: AQAP 2120;

IPAC (Inst. Port. de Acreditação): NP EN ISO / IEC 17025:2004;

This enterprise is taking part of the AICEP database.

Portugal/ International:

INAC / EASA: EASA Part-145;

INAC / EASA: EASA Part-M Subpart G (CAMO);

INAC / EASA: EASA Part-147;

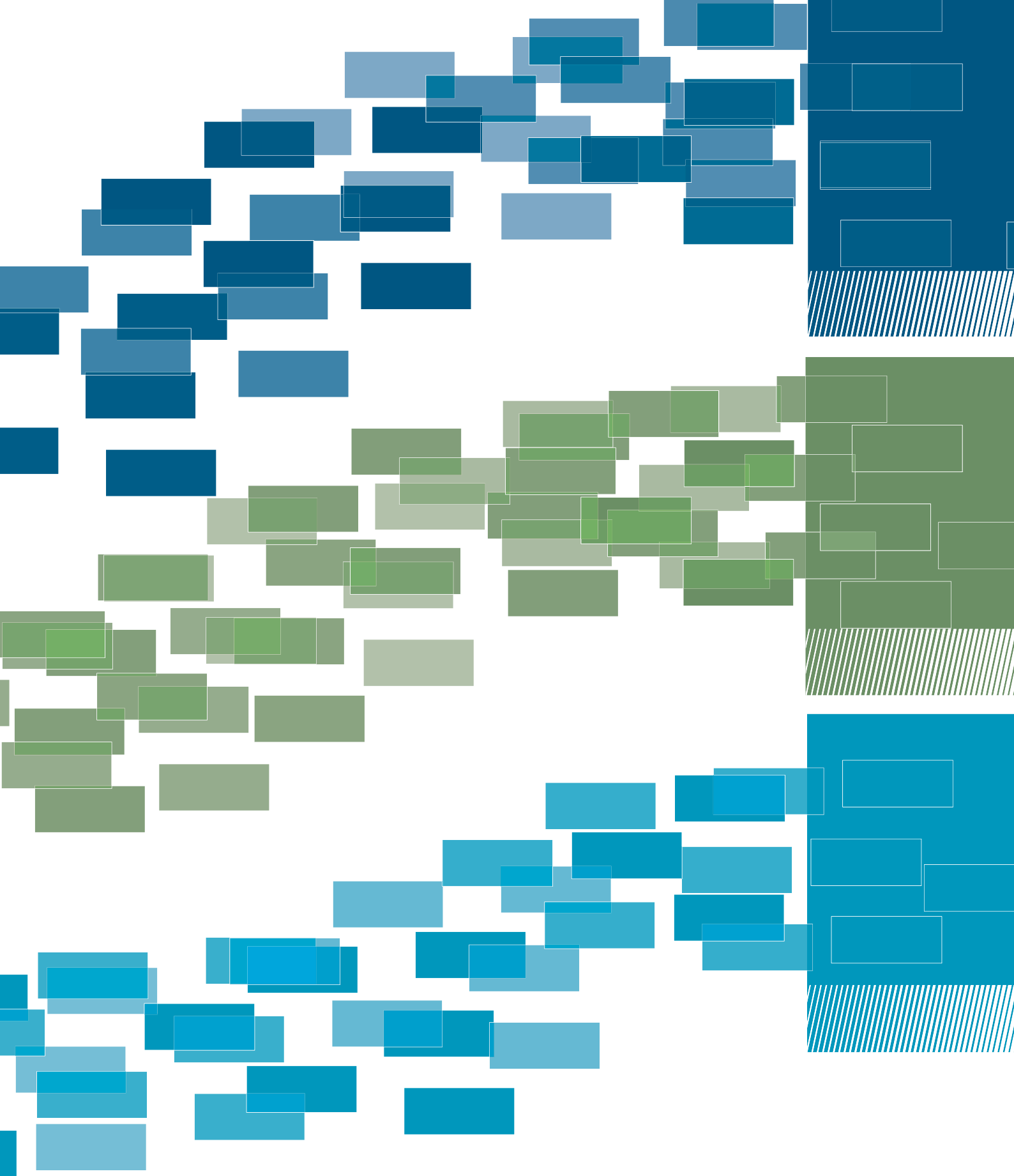
APCER / IQNet: NP EN ISO 9001:2000.



ACRONYMS

AE	Associação Empresarial de Portugal/ <i>Portuguese Business Association</i>
AIP	Associação Industrial Portuguesa/ <i>Portuguese Industrial Association</i>
AFCEA	<i>Association for Communications, Electronics, Intelligence & Information Systems Professionals</i>
AICEP	Agência para o Investimento e Comércio Externo de Portugal/ <i>Foreign Investment and Economic Promotion Agency</i>
AIM	Associação das Indústrias Marítimas/ <i>Portuguese Maritime Industrial Association</i>
AQAP	<i>Allied Quality Assurance Publication</i>
APD	Associação para o Desenvolvimento/ <i>Portuguese Association for Common Development</i>
APDSI	<i>Association for the promotion and the development of the information society</i>
ASD	<i>AeroSpace and Defence Industries Association of Europe</i>
DTIB	<i>Defence Technological and Industrial Base</i>
CBRN	<i>Chemical, Biological, Radiological and Nuclear</i>
CE	<i>Comissão Europeia/European Commission</i>
CESA	<i>Community of European Shipyards Associations</i>
CIP	Confederação da Indústria Portuguesa/ <i>Portuguese Industrial Confederation</i>
CPC	Comissão Permanente de Contrapartidas / <i>Offsets Committee</i>
CPLP	Comunidade dos Países de Língua Portuguesa/ <i>Community of Portuguese speaking Countries</i>
CSDP	<i>Common European Security and Defence Policy</i>
CTIC	Centro Tecnológico das Industrias do couro/ <i>Technological Centre for Leather Industries</i>
COTS	<i>Commercial off-the-shelf</i>
CPV	<i>Coastal Patrol Vessels</i>
C3I	<i>Command, Control, Communications and Intelligence</i>
C4I	<i>Command, Control, Communications, Computers and Intelligence</i>
DANOTEC	Associação das Empresas de Defesa, Armamento e Novas Tecnologias/ <i>Portuguese Association of Defence and New Technologies Industries</i>
DGAIED	Direcção-Geral de Armamento e Infra-Estruturas de Defesa/ <i>Portuguese Armaments and Infra-structures Directorate</i>
EASA	<i>European Aviation Safety Agency</i>
EBB	<i>Electronic Bulletin Board</i>
EC	<i>European Commission</i>
EDA	<i>European Defence Agency</i>
EDEM	<i>European Defence Equipment Market</i>
EDP	<i>Energias de Portugal/Portugal's Energies</i>
EDTIB	<i>European Defence Technological and Industrial Base</i>
EFICP	<i>European Forest Information Common Platform</i>
EPCI	<i>European Polymers Connecting Industry</i>
ESA	<i>European Space Agency</i>
EU	<i>European Union</i>
EUMETSAT	<i>European Organisation for the Exploitation of Meteorological Satellites</i>
EUREKA	<i>pan-European Network for Market-oriented Industrial R&D</i>
FA	Forças Armadas/ <i>Armed Forces</i>
FLAD	Fundação Luso-Americana/ <i>Luso- American Foundation for Development</i>
FP	<i>Framework Programme</i>
FTC	Fundação para a Ciência e Tecnologia / <i>Foundation for Science and Technology</i>
GNC	<i>Guidance Navigation and Control</i>
GNR	Guarda Nacional Republicana/ <i>National Guard</i>
GPS	<i>Global Positioning System</i>
REN	Rede Eléctrica Nacional / <i>National Electric Network</i>
RTD	<i>Research Technology and Development</i>
R&D	<i>Research and Development</i>
IAPMEI	Instituto de Apoio às PMEs/ <i>Portuguese Institute for SMEs Support</i>
IDI	Investigação, Desenvolvimento e Inovação/ <i>Research, Development and Innovation</i>
INAC	Instituto Nacional de Aviação Civil/ <i>National Institute for Civil Aviation</i>
ISO	<i>International Organization for Standardization</i>
IQNET	<i>International Certification Network</i>
IPQ	Instituto Português de Qualidade/ <i>Portuguese Institute for Quality</i>
JTF	<i>Joint Task Force</i>

LMV	<i>Logistic Multipurpose Vessels</i>
LPM	<i>Lei de Programação Militar/Military Procurement Law</i>
MCTES	<i>Ministério para a Ciência e Tecnologia/Ministry of Science, Technology and Education</i>
MOD	<i>Ministry of Defence</i>
MEID	<i>Ministério da Economia, Inovação e Desenvolvimento/Ministry of Economy, Innovation and Development</i>
MNE	<i>Ministério dos Negócios Estrangeiros /Ministry of Foreign Affairs</i>
MTSS	<i>Ministério do Trabalho e da Solidariedade Social/Ministry of Labour and Social Solidarity</i>
NDTIB	<i>National Defence Technological and Industrial Base</i>
NIS	<i>National Innovation System</i>
NPEN	<i>Portuguese Rules for Quality</i>
OPV	<i>Ocean Patrol Vessels</i>
PALOP	<i>Países de Língua Oficial Portuguesa/ African Countries of Portuguese Official language</i>
PCV	<i>Pollution Coastal Vessels</i>
PEMAs	<i>Grupo de PMEs na área da Indústria Aeroespacial/Portuguese Association for the Aerospace Industry</i>
PESD	<i>Política Europeia de Segurança e Defesa/European Defence and Security Policy</i>
PJ	<i>Polícia Judiciária/Criminal Policy</i>
PME	<i>Pequenas e Médias Empresas/Small and Medium Enterprises</i>
PSP	<i>Polícia de Segurança Pública/National Police</i>
ProEspaço	<i>Associação Portuguesa das Indústrias do Espaço /Portuguese Association for Space Industry</i>
QREN	<i>Quadro de Referência Estratégico Nacional /National Strategic Reference Framework</i>
R&D	<i>Research and Development</i>
R&T	<i>Research and Technology</i>
SME	<i>Small and Medium Enterprises</i>
SBA	<i>Small Business Act</i>
Sol	<i>Security of Information</i>
SoS	<i>Security of Supply</i>
UE	<i>União Europeia/European Union</i>
UHF	<i>Ultra High Frequency</i>
UN	<i>United Nations</i>
UAVs	<i>Unmanned Aerial Vehicle</i>
VHF	<i>Very High Frequency</i>



DGAIED

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