Portugal
your partner in aeronautics industry
Farnborough International AirShow 2012
Portugal

your partner
in aeronautics industry

09-15 July 2012

Organization

aicep Portugal Global
Trade & Investment Agency

With co-financing
Portugal
Portugal has expertise in the aerospace sector, including innovative companies recognised internationally for their excellence in civil and military aviation, and installed capabilities that range from engineering to design, manufacturing of components and aerostructures, aviation software development, control tower equipment and airport transport operations.

This Portuguese aerospace cluster, composed of companies with long and consistent knowledge and skills, is characterised by entrepreneurial initiative and vitality and is achieving impressive results in the global market, demonstrating that its competitiveness is attributable to the sound training of its specialist human resources, its modern, international quality infrastructure and its attractive operating costs.

Discover with these Portuguese aerospace companies integrated solutions and innovative partnerships for your business, and learn why Portugal is where you should be investing.

Increase your business, by doing business in Portugal.
ORGANIZATION
aicep Portugal Global

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aicep Portugal Global is a Trade & Investment Agency created to increase the competitiveness of the Portuguese economy through the development and execution of structuring policies and the support to the internationalization of the Portuguese companies, by:

- 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 – Trade & Investment 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.
Portuguese Companies
Aeromec M. Aeronaves, S.A.

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Victor Pedras
Managing Director

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Aeromec Mecânica de Aeronaves, S.A. is a maintenance EASA Part 145 company, founded in 1991.

Our facilities and headquarters at Cascais Airport, has 1200 square meters was built to maintenance support of executive jets.

In Lisbon, our main Line maintenance station, we support the Airbus 310 and 320 family, including inspections like transit, weekly and A Checks, for several companies that uses Lisbon as its destination.

Always getting our client’s expectations, Aeromec will start building, in July 2012, a modern hangar at Beja civil airport south of Portugal with 7500 square meters. The new hangar will ensure the ability to perform checks A and C in Airbus A310 and A320 family and, in a near future, also to Airbus A330 and A340.

Aeromec has his technicians organized with shift teams, which permits to reduce substantially the aircraft downtime.

The Quality, Safety and Security concerns allied with efficiency, reliability and competitive labour price led Aeromec to become the most successful company in this market segment.

Please, do not hesitate to visit our Website: www.aeromec.pt to enjoy a fully specialized Aircraft Maintenance Service.
CEIIA

Engineer Centre for Mobility Industries
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João Pedro Mortágua
Rotary Wing Programme Manager

CEIIA is an Innovation and Engineering Centre for Mobility Industries that aims at enhancing competitiveness of mobility through international cooperation between Academia and Industry through development of products and solutions for the global market.

In collaboration with EEA (Portuguese Aeronautical Engineering Company), CEIIA envisages the development of Portugal’s aeronautical industry in four key-areas:

1) Structural and design engineering;
2) Advanced experimental testing;
3) Industrial development supply chains for aeronautics;
4) Industrial R&D and advanced training.

CEIIA is the leader of the Portuguese Mobility Cluster and the focal-point for major Technological Programmes currently undertaken in Portugal, addressing a broad range of technical and research activities.
LIFE is a Visionary Concept for an innovative executive aircraft cabin focusing on the use of natural and sustainable materials. Combining state of the art technology and natural materials like leather and cork, LIFE presents a vision for a sophisticated, comfortable aircraft cabin with a low environmental footprint.

The concept’s unifying Design language is inspired by natural structures and based on a symbiotic relationship between Natural and Artificial elements, providing a harmonious environment where technology is subtly pervasive, not being imposed on the passenger.

By joining competences from different areas, this initiative was made possible by a consortium of four companies and one R&D institution: Couro Azul (Carvalhos Group); SET (Iberomoldes Group); Amorim Cork Composites (Amorim Group) and INEGI (a Research and Technology Organization). For the project the consortium made a partnership with Embraer (Aircraft manufacturer) and Almadesign (Industrial Design Company) as well as several other technology companies such as Sernis and Caiado with support of PEMAS – Portuguese Aerospace Industry Association.

LIFE was funded by the Portuguese National Strategic Framework Programme (QREN) under the Operational Programme for Competitiveness Factors (COMPETE) and European Regional Development Fund (FEDER).
Critical Materials focuses in the development of new solutions and products in the advanced materials field for critical applications as well as a provider for leading edge structural components health monitoring and management systems, with specific solutions for aerospace & defence industry.

Critical Materials strong investment in R&D in the field of health monitoring and materials originated new technologies such as the revolutionary VS2 Core Technology powering Critical Materials new flagship product: PRODDIA Structural Systems Health Management.
Critical Software specializes in avionics software architecture, system testing and related regulations for the aeronautics civil and military industry. Critical Software has reengineered systems that support new business models such as Availability Based Contracting, and core activities such as Supply Chain Management and Maintenance Repair & Operations. Critical Software also created an end-to-end Integrated Logistic Support solution for fleet management.

Critical Software has considerable experience with aspects of the Integrated Modular Avionics architecture, such as Arinc 653 and model driven development for safety critical applications. Critical provides specialist consultancy in software development for flight-safe high integrity systems, having developed a solid track record in delivering and certifying software according to RTCA DO-178B up to Level A.

Critical Software has placed enormous emphasis on quality assurance and has recently achieved the highest certification level for the demanding Capability Maturity Model Integration (CMMI) process.

Areas of Expertise:
- Safety-critical subsystems development, embedded and real-time systems up to RTCA DO178B level A, integrated modular avionics;
- Safety-critical validation (ISVV, RAMS, Certification);
- Integrated operational support system.
EDAETECH

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Ventura Belinho
General Manager

Prototypes and small series in sheet metal parts for automotive, aeronautical and energy industries.

Capabilities in:
- 5 axis milling of titanium, aluminium and stainless steel alloys;
- Tooling (assembly, drilling and control);
- Laser processing (marking, engraving, drilling, cutting, welding and heat treatment);
- Design and production of special equipment for metals (and also composites).
EEA

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Jacinto Bettencourt
CEO

EEA - Portuguese Aeronautical Engineering Company – aims at promoting development of the Portuguese Aeronautical Cluster through institutional and operational partnerships management, in aerostructures and software, towards integrated products and solutions.

EEA leads the Portuguese participation in the EMBRAER KC-390 Programme, in collaboration with several entities, namely CEIIA, OGMA (Aerostructures) and Critical Software, Novabase, Tekever, GMV, among others (Software Solutions).
GMV

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José Neves
Director of Homeland Security & Defense

GMV is a privately owned technological business group with an international presence. Founded in 1984, GMV offers its solutions, services and products in very diverse sectors: Aeronautics, Banking and Finances, Space, Defense, Health, Security, Transportation, Telecommunications, and Information Technology for Public Administration and large corporations.

In the global world we live in, the individual and complex needs of our clients are usually met with technological products, solutions and services that are constantly evolving and that were not originally designed with the clients' specific needs in mind, but rather to cater to the common denominator in a global market.

The leadership position that GMV has attained in these sectors is based on an in-depth knowledge of client needs, which allows us to deliver solutions specifically tailored to their individual requirements. GMV offers clients the best solution, fully adapted to their own requirements and including all the support necessary to achieve optimum results at a suitable price. At GMV, our employees, operating model and cultural values focus on meeting the very needs of each individual client. GMV has offices in Spain, Portugal, Poland, USA, Germany, Romania, India and Malaysia, having permanent staff in 10 countries.

Number of Employees: 1013
Annual Sales (2011): 116 million euros
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Ricardo Pereira
Sales Manager

Activity:

Manufacturing of metallic components for Aeronautic and Automotive Industries.

- Built to print with development of engineering routes;
- Machining 4 and 5 Axis;
- Assembling parts with rivets, bushings, bearings, nuts…;
- Assembling Jig’s, Working Platforms;
- Vacuum Moulds, Pressforming and Hydroforming Tools.
ISQ
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Margarida Pinto
R&D Division

Paulo Chaves
ISQ International

ISQ is a private Portuguese entity, established in 1965, with a Group turnover, in 2011 of 85M (60% overseas) and a staff in the order of 1300, with a permanent presence in 9 countries and operations in around 20 countries. Some of ISQ areas of expertise are Testing and Analysis, Technical Inspections, Electrical Engineering, Metrology and Research and Development.

ISQ has invested more than 55M in R&D projects, some of then in aero-space with partners such as Embraer, EADS-Airbus, Rolls-Royce, NASA and AgustaWestland, among others.

As a Center of Excellence for testing and analysis, ISQ has in Aeronautics and Space clients such as Embraer, OGMA, TAP, Airbus Military, Thales Alenia Space, Snecma Propulsion Solide, ASTRIUM, Lusospace, ESA/ESTEC among others. At the Centre Spatial Guyanais – Kourou, and as members of the GIE ESQS we are providing in a permanent basis since 2003, technical inspections for CNES and Arianespace to Ariane, Soyuz as well as to VEGA launching systems.

Some other clients are the European Organisation for Nuclear Research (CERN), ITER and the European Southern Observatory.
KRISTALTEK

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Gonçalo Costa
General Manager

Joaquim Matos Ferreira
General Manager

KRISTALTEK provides a coherent composition of services in order to increase the capacity of the customers to create their own economic value, by allowing them to concentrate on their core business.

Thanks to our experiment and our competences, we offer a wide range of different solutions for the Aeronautical, Defense, Aerospace and Medical Industries. As every company has specific needs, from milling and turning up to the complete service (including surface treatment), we offer:

- Engineering / CAD-CAM (SolidWorks – CATIA);
- Manufacturing: Milling (3, 4 and 5 axes), Turning, Water jet cutting, EDM;
- Subcontracting (surface and heat treatment, painting, …);
- Quality Control.

Our strategy puts the customer at the heart of the company. Our human resources, our culture, our competences and our skills are the key elements which enable us to support our strategy of symbiosis with the customer and to create our competition advantage.

KRISTALTEK controls its processes by using the best practices of the market, in particular on the level of quality (ISO 9001, EN9100) and environment (ISO 14001). With modern installations endowed with up-to-date technology and competences we are certain we can offer the best service. We desire to become your partner in discovering better solutions.
Optimal Structural Solutions

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António Reis
Engineering Director

Optimal Structural Solutions is a company focused on the development and manufacturing of advanced structures, with a strong emphasis on composites. Within Optimal we have both engineering and manufacturing capabilities, from which we can highlight the following:

**Engineering:**
- Structural analysis and numerical optimisation;
- Empirical sizing;
- Materials qualification campaigns and design values generation;
- Structural methods development and validation;
- Certification and non-conformances;
- Moulds and tools design for composite components.

**Manufacturing:**
- Pre-preg and infused composite components (out of autoclave);
- Large infused composite mould tools;
- Metallic moulds and tools for composite components.

Our main markets of operation are aeronautics and automotive, collaborating with leading companies within these fields.
PEMAS - Portuguese Aerospace Industry Association

Sérgio da Cunha Oliveira
General Executive Manager

PEMAS association is a private held association that acts as network of Portuguese companies for the aerospace industry. The specific objectives of the group are:

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

The PEMAS is an open network that aims at integrating cutting edge technological projects.

Aiming at the integration of aerospace international value chains, PEMAS supports companies, R&D institutes and Universities in order to include Portuguese value onto the supply chain.

PEMAS is a private non-profit organization formalized in February 2006.
Speed Turtle, Lda.

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Cátia Ruivo
Comercial Manager

Marco Ruivo
Technical Manager

Speedturtle, was founded in February 2012, as a high Precision Machining, Engineering & Plastic Injection Tools Specialist.

It’s main markets are the Aerospace, Automotive, Medicine, among others. The company emerged in order to face the new challenges of a “Global World” that is highly competitive, towards quality, efficiency and price. In order to achieve that goal, the highly committed technical engineer’s team is always following the latest and newest process and equipment innovation for a continuous improvement on a daily day basis.

“The slower but consistent tortoise causes less waste and is much more desirable that the speedy hare that races ahead and that stops occasionally to doze. The Toyota Production system can be realized only when all the workers become tortoises - Taiichi Ohno.
TAP Maintenance & Engineering

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Carlos Ruivo
VP Marketing & Sales

TAP Maintenance & Engineering is a MRO solution provider for Airbus, Boeing and Embraer fleets, offering a unique value proposition built around geographical flexibility, wide range of services and agility.

The knowledge management, resulting from the support experience of TAP Portugal airline fleet, enables our Customers all the advantages of a complete set of integrated services, ranging from airframe, engine and components, to the engineering and material support.

With a total workforce of about 4000, comprising highly qualified technicians and engineering staff, TAP M&E operates one main centre in Portugal and two in Brazil, covering the Americas, Africa and Europe.
TEKEVER

The TEKEVER Group engineers disruptive technologies for the Information Technologies, Aerospace, Defence and Security markets. We are deeply committed to the continuous improvement of how organisations work and people live, offering innovative technologies and products that combine mobility, advanced communications and quality of information to attain enhanced performance.

To our aerospace, defence and security clients, the TEKEVER Group provides advanced solutions incorporating added-value results from our intensive R&D activities on embedded systems, ad-hoc sensor networks, next-generation communications systems, software defined and cognitive radio technology, space-based platforms and autonomous systems.

Indeed, TEKEVER’s distinctive mark in the Aerospace, Defence and Security domain relies on the application of skilled hardware and software engineering competences to uniquely capture clients’ requirements and expectations, which also makes us a reliable partner in collaborative endeavours.

With subsidiaries in Europe, Asia and North and South America, the TEKEVER Group leverages technological innovation, ensuring a permanent competitive advantage to customers and partners throughout the World.
Founded in 1997, UEpro is a company supplying injection moulds (plastic, aluminum and Zamak), as well as compression and blow moulds. Located in Marinha Grande area – one of the biggest centers for the mould making industry in Portugal - UEpro works mainly for the foreign market, serving the various activity ranges.

The global satisfaction of our customers is our main goal, therefore the quality of our products, the accomplishment of the tight delivery times, the transparency of the information and the after-sales assistance are the guarantee of a good and professional cooperation.

To complement our services we can also provide small or pre-series productions.

Our company is certified under the norm ISO 9001:2008. All planning and quality control is made with maximum endeavour by our team of professionals and technicians, at every stage of the manufacturing process.

We don’t work just for you, we work together with you!