

June - July 2013

From images to information



10th- 13th June

Albatroz Engineering presence at CIRED exhibition



The tower of the Exhibition Hall at Kista, Sweden

CIRED is the largest International Electricity Conference & Exhibition dedicated to distribution. It is the leading forum where the Electricity Distribution Community meets every two years at several locations in Europe, with a global perspective and participation. This year the 22nd Edition of CIRED took place at the Kistamässan in Kista, near Stockholm, Sweden, from the 10th to the 13rd of June.

While the main subject was the roadmap of electricity distribution systems for a sustainable future, topics such as SmartGrids, Information Technology and Regulation weighed in the agenda. The exhibition gathered 1116 professionals from 56 countries (Cired News, 2013) and over 80 exhibitors with products and services dedicated to distribution grids. Among them was Albatroz Engineering at booth E:14.



Albatroz Engineering Team

The energy industry faces great challenges and in a world of constant change, power utilities need to improve their measurement and monitoring network structure by implementing smart technologies. Being aware of all the challenges, Albatroz Engineering presented its solutions for overhead line inspections with two novelties from its R&D activities:

- First application of automatic video processing;
- Early trials with Unmanned Aerial Vehicles (UAV).



Albatroz Engineering exhibition stand

In addition to the emphasis on increased aeronautical skills and competences. Albatroz Engineering can provide a customised integrated engineering solution to help meet the coming changes and resulting challenges. Albatroz is distinguished for adapting its solutions to the characteristics of each customer, offering a specialised and unique service that meets the specifications and requirements in each case.

17th - 23rd June

Albatroz Engineering at the 55th Aeronautical Salon, Paris

The Paris Air Show (*Salon international de l'aéronautique et de l'espace, Paris-Le Bourget*) claims to be the world's oldest and largest air show. Established in 1909, it is currently held every odd year at Le Bourget Airport in north Paris, France.



PLMI2.0 system at Le Bourget

Albatroz Engineering made its first presence this year, celebrating The 50th International Paris Air Show at Le Bourget, held from the 17th to 23rd of June 2013, confirming the event's status as the largest event dedicated to the aerospace industry in the world.

The purpose of this large commercial event is to demonstrate military and civilian aircraft to potential customers. It claims to be the most prestigious aircraft exposition in the world. Major aircraft sales contracts are announced by manufacturers, as well as the latest technological developments in this industry are revealed during this event. A strong Portuguese Aeronautical cluster was present this year, through AICEP, with 19 Portuguese companies besides Albatroz Engineering. In this subject Albatroz Engineering

presented its latest brand range of Products, showing capability to fulfil our customer needs:

- Inspection specifications adapted to different type of vehicles;
- The latest updates in software and hardware on the PLMI 2 for Rotorcrafts;
- And the first UAV trial with a set of payload ranges for quadcopters and fixed wing UAVs.

In total, some 150 planes, helicopters and drones were presented in the air and on the ground, including the Airbus A380 and A400M, the Rafale and Neuron from Dassault, the Boeing 787 Dreamliner, the Kamov 52 helicopter, the ballet of the Tigers and the Patrouille de France (celebrating its 60th anniversary).

These aircrafts brought the show to life with their aerobatics, painting the Le Bourget sky blue, white and red. As the cherry on the top, visitors also had the chance to admire the new Airbus A350 which flew over the Show in front of the French President only a few days after its maiden flight.



Airbus A380 flying over Le Bourget

5th - 12nd July

Albatroz Engineering at VISUM Summer School

Sergio Copeto, an engineer in the Albatroz Engineering team, was present at the first edition of the Vision Understanding and Machine Intelligence summer school (VISUM) that took place at the Faculty of Engineering of Porto University between 5 to 12 of July, 2013.

This summer school was born since there was a lack of events in the field of computer-vision in Portugal.

The themes ranged from introductory lessons about simple image processing techniques to more complex problems such as feature detectors, augmented reality and RGB-D cameras, having theoretical classes during the morning and laboratory sessions in the afternoon.

During the practical sessions, Sergio contributed to the discussion with examples from his work on the tower detection that is the subject of this newsletter's feature article.

Overall appreciation of the summer school was really good, and the organization is already preparing the second edition, that will take place in July 2014.



VISUM theoretical lectures



VISUM practical lectures

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Research, Development and Innovation

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