

2003-2005: Pre-History

Albatroz Engenharia started in 2003, as a dream in the head of Gomes Mota: to develop technology for 3D modelling of outdoor environments. In early 2004, he joined the R&D Group at LABELEC (EDP Group) where the problem of tree line encroachment near power lines came to the foreground. He invited his colleague and friend Alberto Vale and the adventure began.

10 years

in pictures

2013: Team building, the Portuguese way



April - June 2016



07th - 08th June

OHLEx2016

«Overhead Lines - Working at the Heights of Safety»

Hosted by EA Technology the OHLEx 2016 – “Overhead Power Line and Working at Heights of Safety” exhibition was held on the 8th of June at Chester Racecourse, UK. The objective of the day was to provide a forum for the industry to share and discuss overhead line (OHL) related engineering issues and Health and Safety Working at Height topics. The event started on Tuesday 7th June in the afternoon with an informal barbecue meeting, attended by over 300 people, it was an excellent networking opportunity to meet other exhibitors and participants of this exhibition during this casual and relaxed atmosphere. Throughout the main event day the exhibition featured a number of demonstrations and presentations that included a series of 11 Health and Safety Seminars sessions and Interactive Training Sessions.



EA Technology marquee

The exhibition was a free “must-attend” event for all pro-active OHL Policy, Standards and Project Engineers. As such, Albatroz Engenharia could not fail to attend this event and showcase its alternatives to traditional overhead line inspections.

Albatroz Engenharia would like to thank EA Technology for hosting the event with over 60 exhibitors and above 500 delegates. We also would like to say thank you to everyone who took time to visit us on Stand OD7. For us it was great to see so many people of all backgrounds of expertise showing interest in learning about Albatroz Engenharia, it was a pleasure and honor to have a chat and share our exciting latest developments. Overall, we consider the exhibition a great success.



Our stand

3rd - 4th March

Albatroz Engenharia Seminar participation

I UAV International Seminary, 2016

The 1th edition of the International Seminary UAV organised by Faculty of Social Sciences and Humanities, had more than 130 participants, a poster session, 23 presentations and discussions covering three different topics. Albatroz Engenharia published and presented two papers, first one on the topic *Concepts, Legislation and Regulation* and the second on the topic *Technologies and Methodologies & Markets and Applications*. The first paper **“*Technical Contributions to regulations*”** proposes solutions to archive the technical requirements owing to legislation and sharing civil airspace with UAV. The four main ideas are: a) see and be seen or, in this case, feel and be felt; b) geofencing and local references navigation; c) integration with the ground segment and d) operating modes. The second paper **“*Field trials with Unmanned Aerial Vehicles on Transmission Grids*”** begins with an overview of airworthiness with a focus on European regulatory framework and discussion on the possibilities of multicopters for local inspections and smaller aircraft for beyond line of sight operation. Follows with a description of UAV as a component of a system and how the mission and its constraints shape the design of the solution. Then, experience from field trials with fixed wing and rotary UAV is presented; this concerns mostly visual inspection; nevertheless LiDAR and infra-red are also introduced. Both paper presentations aroused interest and useful questions from the participants on the event.



Engineer Vitor Almeida during his presentation

11th April

UBI @ EUROAVIA

The Aeronautical Engineering Student Association of the University of Beira Interior (AEROUBI), inserted in EUROAVIA - European Association of Aerospace Students, invited Engr. Sandra Antunes, former student of Aeronautical Engineering, to hold a conference whose theme was asked to be related to her past in the Aeronautical Engineering Course and her progress in the professional career. The seminar was divided into three parts. In the first part she present her academic career in the referred institution based in Covilhã, passing to the second part of the conference with a discription of her curriculum vitae, external courses needed for the market, and an explanation of the bridge between Academic vs. Business research. After the company presentation, a brief description was given regarding what sort of tasks are performed by the aeronautical engineers in Albatroz Engenharia, and a few important items were mentioned and encouraged to be followed during working life stage, including the need of a constant upgrading caused by the inevitable technological advancement.



Engineer Sandra Antunes during the presentation

22nd - 23rd March

The Portuguese Industry Day at NSPA Days

It was in Capellen, Luxembourg, that took place the Portuguese Industry Day at NSPA (NATO Support and Procurement Agency), from 21nd to 23rd of March. This event organised by Direção-Geral de Recursos da Defesa Nacional do Ministério da Defesa Nacional (DGRDN), in partnership with Plataforma das Indústrias de Defesa Nacional (idD) and AICEP (Agência para o Investimento e Comércio Externo de Portugal), counted with the participation of 64 portuguese companies. According to NSPA, the portuguese event was the most attended of this kind.

Albatroz Engenharia was represented by engineers Sandra Antunes and Sofia Matias, who presented the company and its products as well as conducted some of the business-to-business meetings. During the NSPA event, our ground equipment Trax was showcased, where it was shown in operation in real time, inclusive to the portuguese defense minister, demonstrating its main strenghts: good ergonomy, robustness, lightness, and precision, using state-of-the-art sensors.



Engineers Sandra Antunes and Sofia Matias



Group photograph

Photos: courtesy by NSPA

Albatroz Engenharia is now part of the NATO suppliers' procurement network.

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Research, Development and Innovation

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