

## PRESS RELEASE 2024



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## PROJECT ACTIVITIES DURING THE YEAR OF 2024



ALBATROSS was represented by AIMEN at the JEC World Exhibition 2024 on March 5th with a dedicated stand where the advancements of the work of AIMEN on ALBATROSS were displayed.

On April 17th, Cidetec represented ALBATROSS at the MUBIL Mobility Expo on Ficoba (Spain).



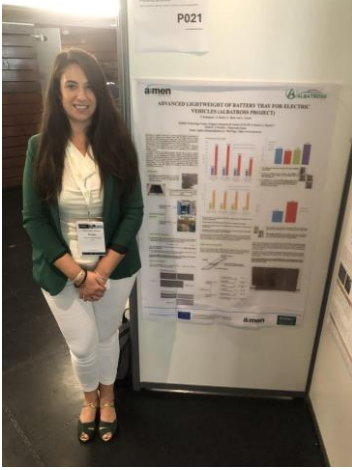
A paper on “Inline Process Monitoring Sensor and Optical Sensor” was presented at IIW 2024 on July 9th. This paper was written in collaboration with [SYNTECS](#) project.



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ALBATROSS was represented by AIMEN in ECCM25 (Nantes, France) on July 2<sup>nd</sup>, where they have presented a paper on Resistance Welding of Thermoplastic Composite Automotive Battery Tray.

Between September 9th and 10th, ALBATROSS was represented by FEV on OTEKON 2024 in Bursa, Turkey.

The following papers were presented:

-  Battery Management System Performance Evaluation
-  Design and Analysis of Contactor Drive Circuit for High Voltage Battery Management Systems
-  Performance Evaluation of Power Junction Box Designed for High Voltage Batteries and Electric Vehicles



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IREC participated in the MOVE 2024 Conference (London, England) on June 16<sup>th</sup> with the presentation of a paper following ALBATROSS activities on the panel “Recycling and 2nd life applications.”

University of Nottingham presented one paper in the IEEE conference (Chicago, USA) which took place between November 3<sup>th</sup> and 6<sup>th</sup>. Nottingham also participated in the 18th UK Heat Transfer Conference (between September 9<sup>th</sup> and 11<sup>th</sup>, where it presented the following two papers:

-  Thermal Management Challenges Of Li-ion Battery Packs Using Partial Immersion Cooling: Analyzing Pressure Drop And Temperature Distribution
-  Conjugate Heat Transfer Analysis Of A Pouch Cell Li-ion Battery Pack Using Mini Channel Cold Plates With A U-shaped Configuration



ALBATROSS was represented by FEV at the Aachen Colloquium 2024 between October 7<sup>th</sup> and 9<sup>th</sup>. It was an incredible opportunity to demonstrate the cutting-edge innovations from ALBATROSS through a simulation bench.



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This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 963580- ALBATROSS



Advanced Light-weight BATteRy systems Optimized for fast charging, Safety, and Second-life applications

[WWW.ALBATROSS-H2020.EU](http://WWW.ALBATROSS-H2020.EU)