

# PRESS RELEASE 2025



FOLLOW US



## PROJECT ACTIVITIES DURING THE YEAR OF 2025

The BMS demonstrator of ALBATROSS was display at CES Las Vegas 2025 (USA) between January 7<sup>th</sup> and 10<sup>th</sup>.



ALBATROSS was featured in a segment aired on the BBC One television broadcast, where it is possible to see the BMW i3 demonstrator from the project.

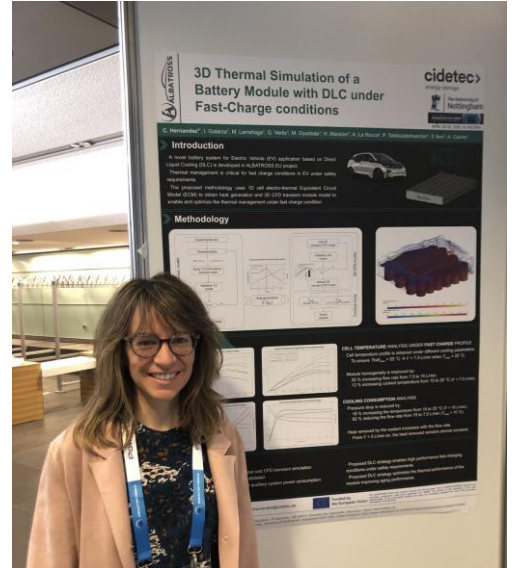


FOLLOW US

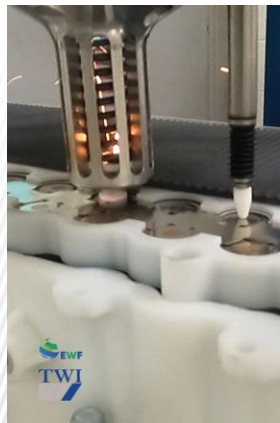


## PROJECT ACTIVITIES DURING THE YEAR OF 2025

Cidetec represented ALBATROSS at the Advance Battery Power conference in Aachen (Germany) on April 2<sup>nd</sup>.



A paper on “Laser Welding of Busbar-to-Cell Terminal Connections for Battery Modules” was presented at IIW 2025 in Genoa (Italy) on June 26<sup>th</sup>.



### Laser Welding of Busbar-to-Cell Terminal Connections for Battery Modules

C. M. Allen, R. Bola and R.M. Afonso

This presentation explores the development and application of single mode fibre laser welding for connections between Ni-plated copper busbars and Ni-plated steel Li-ion cell terminals within EV battery modules, from initial coupon trials to full module production, addressing key challenges along the way including meeting joint gap tolerances, achieving focus position control, and ensuring penetration depth management

The optimised process yielded joints with acceptable electrical resistance and mechanical strength, while ensuring safe cell connections over a batch of new prototype modules.



FOLLOW US



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



## PROJECT ACTIVITIES DURING THE YEAR OF 2025

ALBATROSS was largely represented at the 38<sup>th</sup> International Electric Vehicle Symposium & Exhibition (EVS38) in Gothenburg (Sweden) between June 15<sup>th</sup> and 18<sup>th</sup> :

- ALBATROSS had a dedicated exhibition and final event.
- Our partner Cidetec presented the partial direct liquid cooling approach during the conference sessions.



THANK YOU FOR FOLLOWING OUR UPDATES  
DURING THESE 4+ YEARS!

FOLLOW US



# FOLLOW OUR SOCIAL MEDIA

GET UPDATED WITH OUR RECENT ACTIVITY



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)