ALBATROSS

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

NEWSLETTER

December 2024

⚡ Powering the Future through Training:
🔋 ALBATROSS for Battery Innovation 🌍

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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

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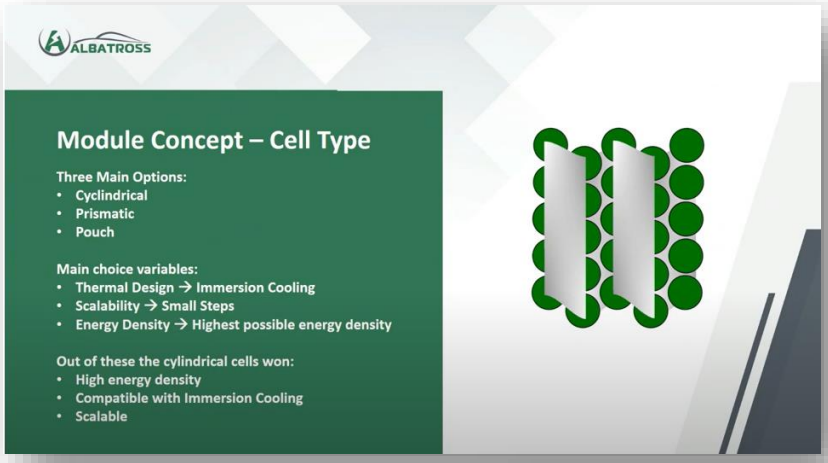
🔋 Battery Innovation Training 🔧

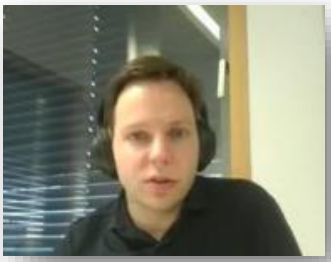
We are excited to announce the collaborative training session between the ALBATROSS and the COLLABAT event. This event was a hub of innovation and knowledge sharing in the field of battery technology. Here's a recap of the key presentations:

Cleantron Cleantech Batteries 🌱🔋

Participants gained valuable insights from Cleantron's real-world experiences in designing and building a partially-immersion cooled modular battery pack. The session highlighted practical challenges and innovative solutions in developing cutting-edge battery technology.



cleantron®
cleantech batteries



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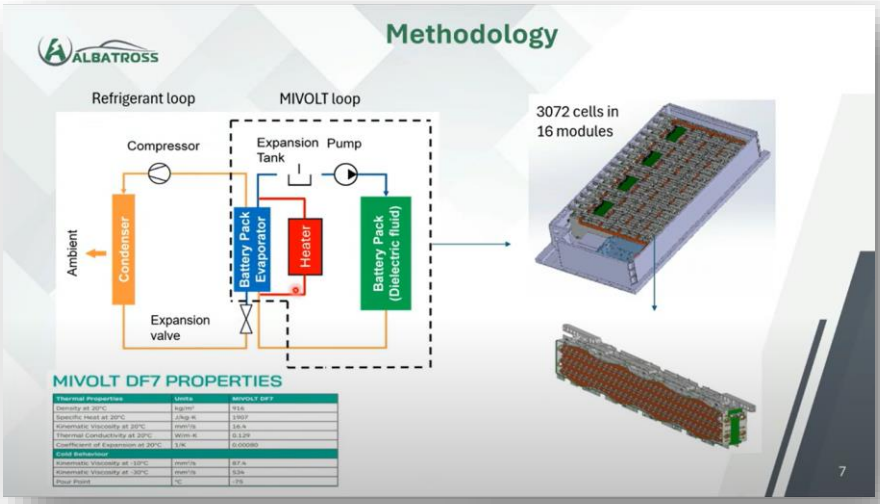
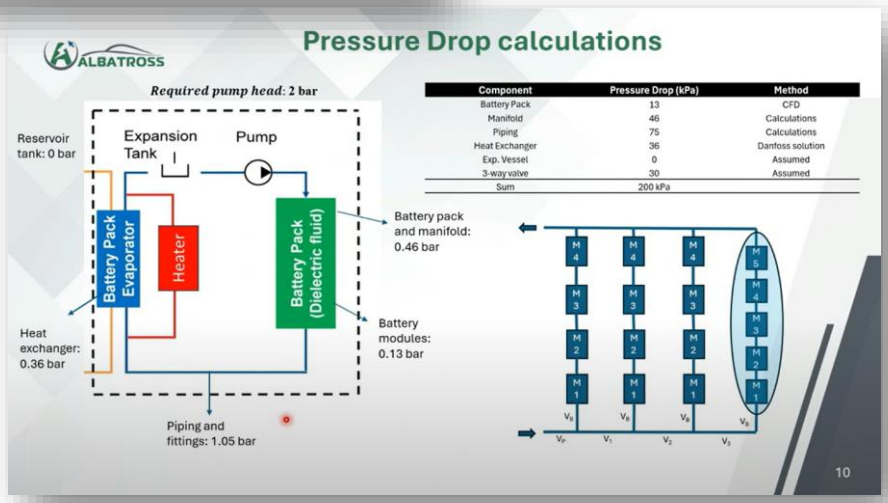
🔋 Battery Innovation Training 🔧

University of Nottingham 🎓🔬

The latest research on partial immersion cooling solutions for lithium-ion battery thermal management was showcased. Attendees learned about advancements that could revolutionize battery efficiency and safety.



The University of Nottingham



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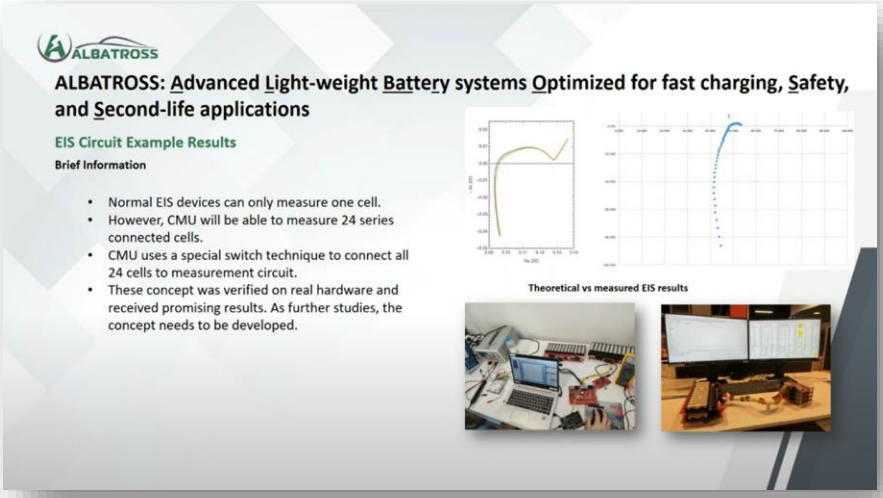
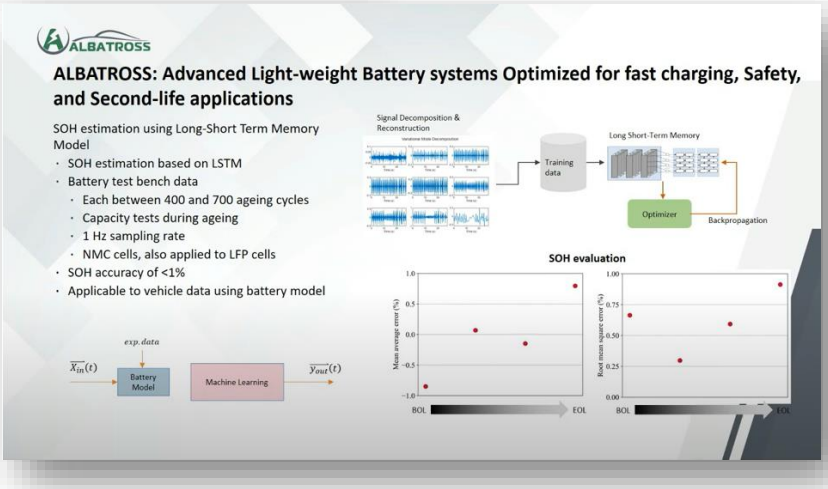
Battery Innovation Training

FEV Türkiye

The presentation covered developments of a system with cloud connectivity and AI-based algorithms crafted within ALBATROSS and that are detailed in our previous newsletter. The session provided an understanding of how these innovations can enhance battery performance and integration.





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Battery Innovation Training

The event was an enriching experience, allowing experts to connect, exchange ideas, and stay at the forefront of battery technology advancements.

It was a great opportunity for participants to expand their knowledge and network with industry leaders.

AGENDA

14.00 General introduction of the COLLABAT Cluster

- Keynote speech
- Introduction to the 4 funding projects: Albatross, Helios, Liberty, Marbel
- Welcome 2 new joining EV battery projects to continue the Cluster: iBattman and InnoBMS

14.45 Battery Systems Design: Next-Gen EV-Battery Solutions

- Presentations from the 4 funding projects showcasing their final results
- Panel discussion

15.35 *COFFEE BREAK*

16.05 Battery Pack Innovation for High-Performance Systems

- Presentations from the 4 funding projects highlighting some specific technologies & innovations (e.g. ultrafast charging, sensorisation, thermal management systems, new algorithms)
- Panel discussion

16.55 BMS - The brain of batteries

- Short pitches from all 6 projects (e.g. real-time monitoring and data analytics, novel models and algorithms, flexible BMS, wireless BMS, reliable and secure connections)
- Panel discussion

17.45 Wrap-up & Outlook

18.00 Workshop closing

You can view the full training session at https://shorturl.at/TzjVa

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