

TRA2022



POSTER SESSION

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LIBERTY: Lightweight Battery System for Extended Range at Improved Safety

HIGHLIGHTS

- The innovations within LIBERTY lead to a compact high-performance battery pack with advanced monitoring features and functionalities.
- In terms of consumer's values, it brings extended range, short charging times, safety, reliability, affordability and sustainability.

MAJOR OUTCOMES

- Innovative **battery pack** and battery management system **integrated in Demonstration vehicle (TRL7)**
- **Compact and safe** battery system based on high **energy density cells** and **lightweight materials** housing
- Versatile **Battery Management System**
- High accuracy **State Estimators (SOX)**
- (Semi-) Automated **battery dismantling** procedure
- Safety and performance related **test procedures**

OBJECTIVES

- 500 km range
- Ultra-Fast charging (< 18 min)
- Ultimate safe battery system
- Long battery lifetime (> 300.000 km)
- Sustainability over entire life cycle of battery pack

PROJECT PARTNERS



PROJECT FACTS

Project Coordinator: Egoitz Martinez-Laserna
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Email: emartinez@ikerlan.es
Website: <https://libertyproject.eu>
Start: 01 Jun 2021
Duration: 42 Months
Total investment: 10.8 M€
Participating organisations: 16
Number of countries: 7



WHERE TO FIND US:

Website: <https://libertyproject.eu/>

Follow LIBERTY on **LinkedIn:**

<https://www.linkedin.com/in/liberty-project-bbb27320a/>



LIBERTY is part of **COLLABAT CLUSTER** of H2020 **Battery Projects** – find out more on LinkedIn:

<https://www.linkedin.com/company/collabat-cluster/>



LIBERTY has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 963522". The poster reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.



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