

COMET PROJECT

SAFELIB – SAFETY ASPECTS OF LITHIUM-BASED TRACTION BATTERIES INCLUDING THE QUALIFICATION FOR SECOND LIFE APPLICATIONS

Main location: Graz (Styria)

Other locations: Linz (Upper Austria)

Thematic area: Energy & environment, Mobility



Thematic focuses

- Li-Ion batteries
- electrified vehicles
- stationary energy storage systems
- safety in 1st-life and 2nd-life applications
- technical-legal-economic assessment

Planned realisation and outcomes

SafeLIB focuses on increasing safety and reliability in the use of Li-Ion batteries in mobile and stationary applications. A combined, interdisciplinary and cross-sectoral approach leads to a deeper understanding of relevant mechanisms, to improved models and test procedures as well as to comprehensive technical-legal-economic recommendations for action for industry and politics/legislators.

COMET FACTSHEET

Selected company partners (max. 10):

1. Audi AG
2. AVL List GmbH
3. Porsche AG
4. DYNAmore GmbH
5. Fill GmbH
6. Fronius International GmbH
7. Infineon Technologies AG
8. Mercedes Benz AG
9. Wacker Neuson Linz GmbH

Selected scientific partners (max. 5):

1. Graz University of Technology, Vehicle Safety Institute
2. Graz University of Technology, Institute for Chemistry and Technology of Materials
3. Johannes Kepler University Linz
4. Virtual Vehicle Research Center

Selected international¹ partners (max. 5):

1. Audi AG
2. Porsche AG
3. Mercedes Benz AG
4. Dynamore Gesellschaft FEM Ingenieurdienstleistungen mbH

Duration: 01.04.2021 – 31.03.2025 (4 years)

Staff employment: 26 FTE, thereof 24 scientists

Management: Ass.Prof.Dr. Christian Ellersdorfer, Project Manager

Contact: Graz University of Technology
Vehicle Safety Institute
Inffeldgasse 23/1, 8010 Graz
+43 316 873 30301
vsi@tugraz.at
www.tugraz.at/institute/vsi/home/

Status 13.08.2021

The COMET Module is funded within COMET – Competence Centers for Excellent Technologies – by BMK, BMAW as well as the co-financing federal provinces Styria and Upper Austria. The COMET programme is managed by FFG. www.ffg.at/comet

¹ Partners with headquarters outside Austria