

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 focus**

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

>> **Planned realization 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.

>> **Selected partners**

Company partners (max 10)

1. Audi AG
2. AVL List GmbH
3. Dr. Ing. h.c.F. Porsche AG
4. DYNAmor GmbH
5. Fill GmbH
6. Fronius International GmbH
7. Infineon Technologies AG
8. Mercedes Benz AG
9. Wacker Neuson Linz GmbH

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

International partners (max 3)

1. Audi AG
2. Dr. Ing. h.c.F. Porsche AG
3. Mercedes Benz AG

- >> **Duration of the COMET Project:** 04. 2021 – 03. 2025 (4 years)

- >> **Number of personnel:** 24 FTE, thereof 6 female scientists

>> **Leader of consortium**

Assoc.Prof. Dipl.-Ing. Dr.techn. Wolfgang Sinz, First deputy head of the Vehicle Safety Institute of Graz University of Technology

>> **Graz University of Technology / Vehicle Safety Institute**

Inffeldgasse 23/1, A-8010 Graz, Austria

W: www.vsi.tugraz.at, E: office.vsi@tugraz.at

T: +43 (0) 316/873-30301