

InteGrated and PHysically Optimised Battery System for Plug-in Vehicles Technologies.

The project contributes to enhancing the performance of Battery Electric Vehicles (BEVs) and Plug-in Hybrid Electric Vehicles (P-HEVs) in terms of range, battery lifetime, functional safety and reliability through a complete optimization of the electric, mechanical and thermal architecture of the on-board energy storage system.

Key innovations:

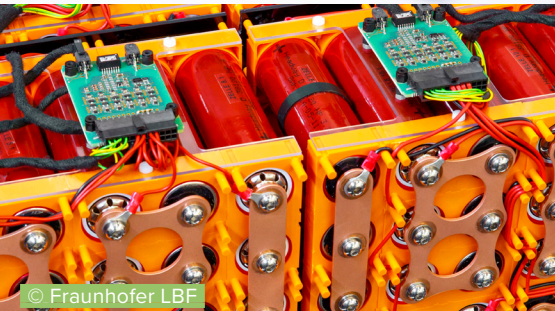
- Innovative Battery System architecture based on next generation battery technologies;
- Reducing the cost and complexity of the E/E architecture;
- Introducing improvements in terms of energy density, efficiency, safety, scalability and modularity;
- Manufacturing for recycling and reuse.



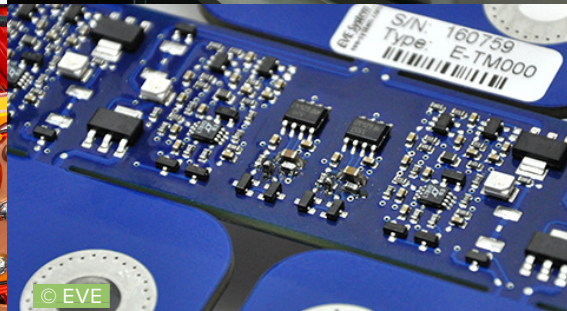
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The project activities are being carried out by a twelve-members consortium belonging to 6 EU member states, representing all requested competencies in the field of Battery Systems, their thermal management, integration and safety for automotive applications, suppliers, engineering and technology organisations and universities.

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