CONCEPT

LEVIS has the ambition to set up new design and manufacturing routes for lightweight structural parts for electric vehicles combining

- advanced lightweight and sustainable materials,
- cost-effective production and assembly processes able to produce multi-material solutions in an efficient way,
- advanced simulation methodologies-workflows for improved structural integrity/life predictions and highly optimised designs,
- novel sensorisation and monitorisation technologies for superior functionalities, and
- suitable end-of-life approaches for the materials and processes considered.

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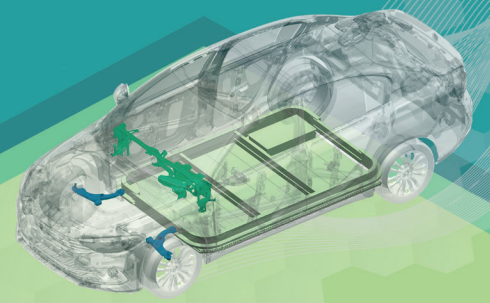
LEVIS
LIGHT MATERIALS FOR ELECTRIC VEHICLES

ADVANCED LIGHT MATERIALS

For Sustainable Electric Vehicles By Integration Of Eco-Design And Circular Economy Strategies



ABOUT

LEVIS is a three-year HORIZON 2020 project funded by the European Union.

LEVIS' aim is to develop lightweight components for electric vehicles using eco-design and circular approaches. The LEVIS consortium – built by industrial and research partners from seven countries – envisages demonstrating the technical and economic feasibility of producing these components in three real-case demonstrators at a large scale: a suspension arm, a battery box set and a cross car beam. These innovative electric vehicle components will be introduced into the market by the end of the project.