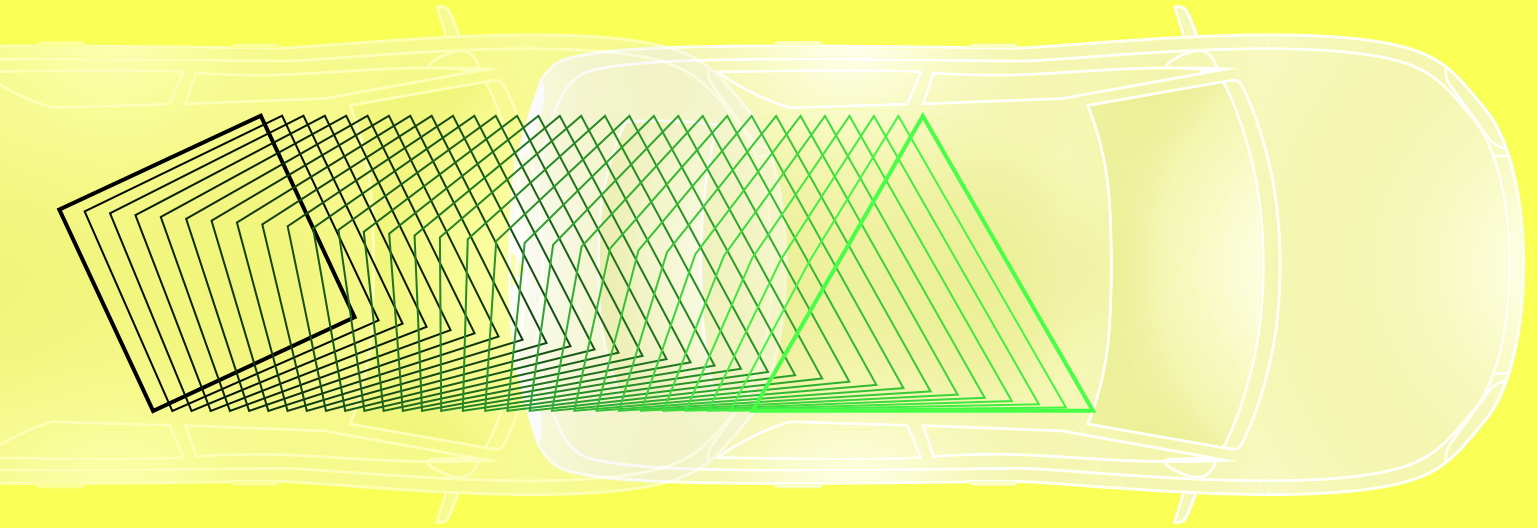
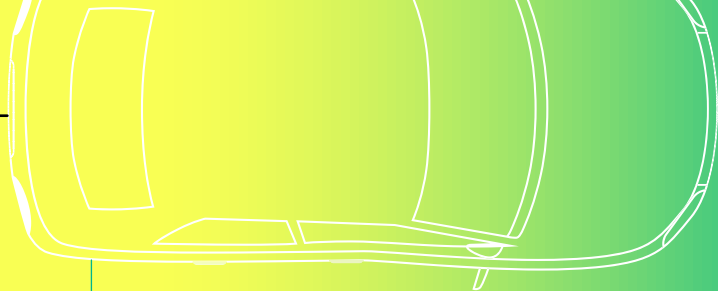




ENLIGHT EVs



Developing innovative and sustainable solutions to reduce EVs weight.



With 5.6 million vehicles at the end of 2021, EVs are rapidly spreading across Europe.

Reducing their weight drives down CO2 emissions, and increases range, drivability and safety.

According to experts, for electric vehicles, a 10% weight reduction generates a 10-15% increase in range.

EnLightEVs is developing innovative solutions, tested in industrial pilots, that can be rapidly applied in the automotive market to reduce EVs weight, while considering structural integrity, passengers' safety, and sustainability, through eco-design and circular practices.

To support the automotive sector in reaching these goals the cluster developed the following solutions:



Advanced lightweight materials and components for EVs



Recycled lightweight materials and end-of-life strategies



Physics and AI-based models and sensors for quality control and structural integrity assessment



Cost-effective manufacturing technologies



Eco-design strategies supported by innovative LCA tools



Innovative composite materials



Strengthened Aluminium nanocomposite for casting, extrusion and welding.

Join us on our mission to EnLight electric vehicles for a more sustainable transport sector.



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This factsheet has been produced by ICONS in the context of the Horizon Results Booster services delivered to FATIGUE4LIGHT (GA N. 101006844), FLAMINGO (GA N. 101007011), REVOLUTION (GA N. 101006631), LEVIS (GA N. 101006888), and ALMA (GA N. 101006675). This product does not reflect the views of the European Commission.

