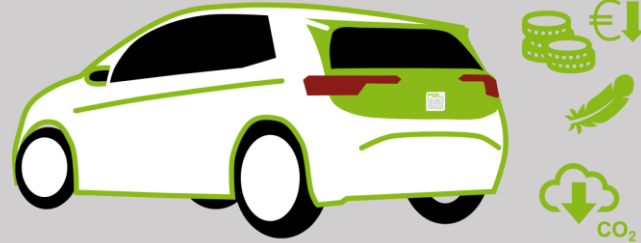
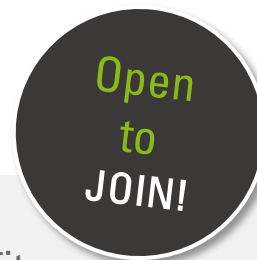


Cost and CO₂ saving lightweight tailgate concept study



The Objective:

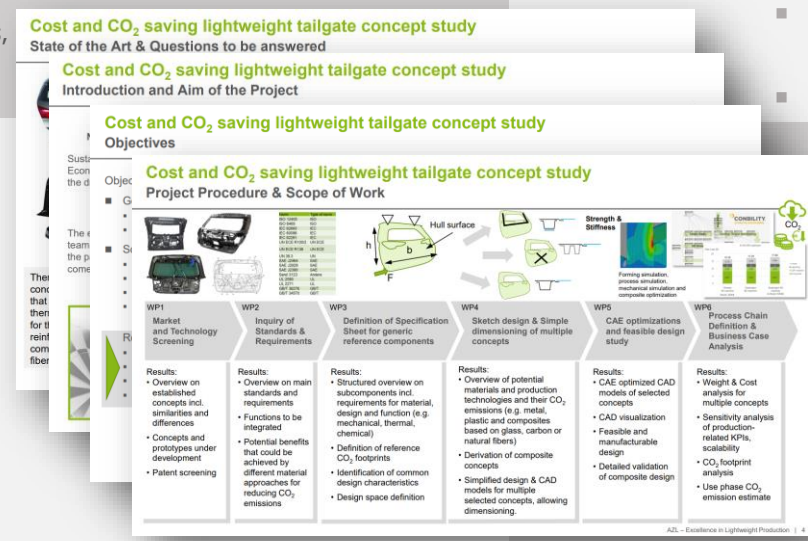
Regardless of the drive concept, lightweight construction in automotive engineering will continue to be of decisive importance for the energy efficiency of vehicles. Composite tailgates offer the opportunity to reach the weight and cost targets with hybrid designs or via overmoulding and are already produced in composites. The project aims to give an overview of existing solutions on the market, benchmark different tailgate concepts and production concepts on costs, lightweight potential and especially CO₂ footprint to assess the eco-impact of sustainable tailgate designs.

Our Content:

- Market & Technology Screening of established concepts and prototypes under development
- Overview of main standards and requirements
- Derivation of a specification sheet for generic reference component
- Design and dimensioning of multiple concepts
 - Different material combinations, production technologies and their CO₂ emissions
- CAE optimization, CAD visualization, and feasible design study
- Weight, cost, and CO₂ footprint analysis for multiple concepts

Your Benefits:

- Overview of state-of-the-art applications and the benefits of different materials, designs, and processes
- Understand the component and its requirements to identify opportunities for alternative concepts
- Predesign of multiple solutions for further development incl. visualized concepts and CAE optimization
- Learn about the CO₂ saving potential and effectiveness of the material selection in reducing CO₂
 - Show benefits of different materials, designs, and processes for the CO₂ emissions
 - Network with players in the industry about a common topic



Participation fee (AZL Partner)

< 50 employees: 9,500.00 €
 < 500 employees: 12,000.00 €
 > 500 employees: 15,000.00 €

Participation fee (external company)

18,000.00 €

Duration

10 months



Please contact for information and individual offer:

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