

Product Cost Benchmarking

Expert & Business Community



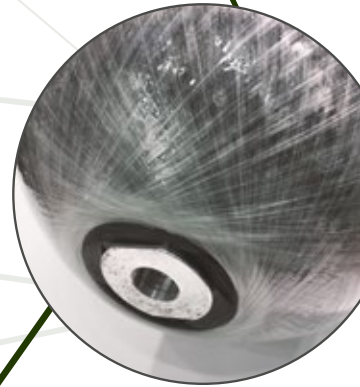
Explore different design opportunities for attractive products and get new insights for cost and carbon footprint effectiveness



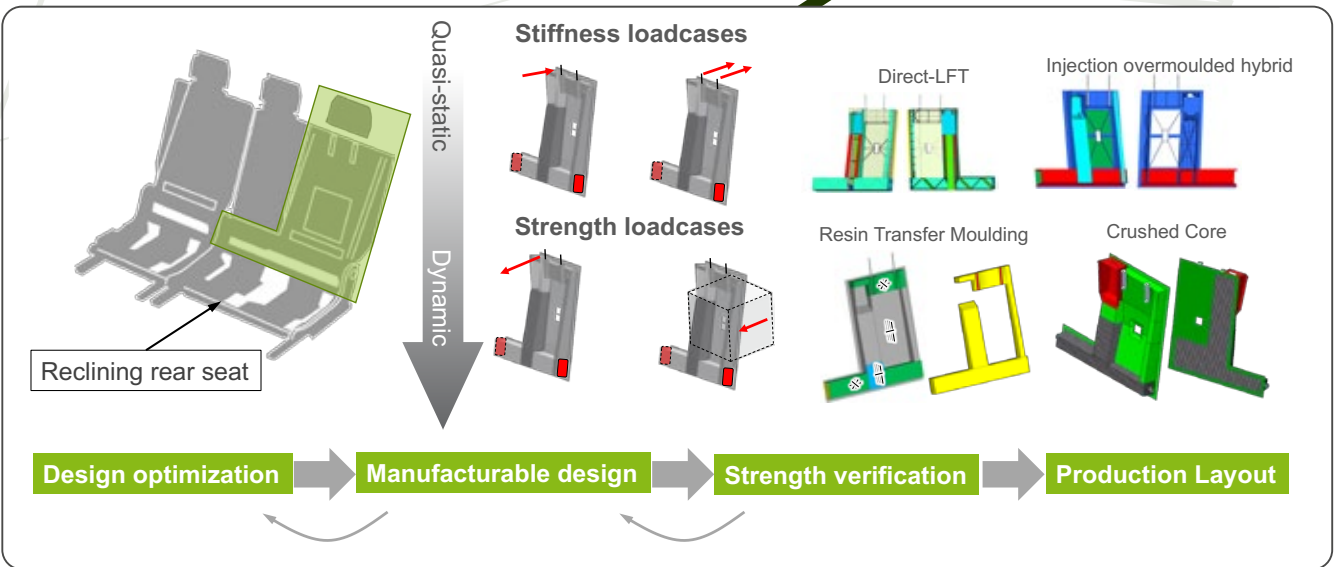
Analyzed components



- Hockey Stick
- Battery Casing
- Additive Manufacturing
- Sunroof Frame
- Automotive Roof Panel
- Automotive Trunk Floor



- Automotive Underbody Riser
- Aircraft Trolley
- Leaf Spring
- Door Module Carrier
- Front End Carrier



One latest example of a benchmark between different technologies for an automotive rear seat back, a component selected by the workgroup participants.

The TIER 1 provided the reference component in steel as well as the necessary requirements for developing alternatives for production and material-related component designs.

AZL's engineering team created structural designs and production sequences. That included sophisticated structural simulations including crash load cases as well as setup of detailed production layouts for costs and capacity calculations. The results serve for future cooperation between workgroup participants.

Missions of AZL Workgroups



Connecting Science, Engineering and Production

In this workgroup, we analyze the costs of components that the consortium selects. We look at different design alternatives, materials and/or processes for these components, evaluate the weight and cost of each variant and compare it to an existing reference. Any component can be proposed, e.g. to see if your material or process could compete with already established solutions.

Roadmap & Topics

The workgroup combines technology-oriented networking, the identification of pre-competitive topics and the initiation of projects.

Impulses from industry experts and research institutes lead to more than 22 analyzed business cases since 2020.

Analysis of process cost structure and cost drivers

Impulses from OEM & TIERS on requirements

Joint discussion and refinement of results



Impulses for Research



Identification of Pre-Competitive Topics



Initialization of Projects



Meeting every 6 Months



Find more information about our AZL Workgroups

In cooperation with



What our Workgroup is all about

The primary goal of the AZL Workgroups is to network active partners from research and industry, from production and application development to benchmark new designs of products in terms of costs and weight.

The activities go far beyond pure networking. The definition of real goals and initiatives and the regular exchange lead again and again to new processes, products and collaboration and make the AZL Workgroups so unique.

These are the six AZL Workgroups:

- High Performance SMC
- Advanced Thermoset Production
- Composite Pipes & Vessels
- Composites in Buildings & Infrastructure
- Hybrid Thermoplastic Composites
- Product Cost Benchmarking

Join the Network of more than 80 active Partners:



About AZL

AZL stands for excellence in lightweight production. As a one stop shop for market and technology know how, the senior staff of AZL brings together experts and decision makers from academia and industry to support business and technology development for the lightweight industry. We support you, regardless of your position in the value chain, in the development, benchmarking and improvement of your design methodologies, manufacturing techniques and products.



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