

Composites United e.V.

MAI Carbon

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

The MAI Carbon Cluster of Excellence of Composites United e.V. (CU) pursues the goal of implementing lightweight construction technologies on a large industrial scale for various user industries throughout Bavaria. In order to achieve this goal, leap innovations are required along the entire component life cycle, i.e. starting from the fibre and matrix material to the production of the components and product systems through to coherent recycling concepts.

More than 130 partners - who are also members of the CU - are currently pooling their knowledge to expand their technological leadership in the use of CFRP components in mass production and to develop Bavaria into a global beacon in the field of fibre composite technology. The intensive cooperation between renowned major German companies and technology leaders in the application sectors of automotive engineering, aerospace, mechanical and plant engineering as well as fibre and semi-finished product manufacturers makes the MAI Carbon cluster of excellence unique.

Am Technologiezentrum 5
86159 Augsburg
Bavaria
Germany

www.composites-United.com/cluster/mai-carbon/

Main areas covered

Network, Lightweight construction, Composites, Fibre composite

Infrastructure

Certifications

Keywords

Memberships



Organisation type

Cluster

Sectors



Employees

Up to 9

Turnover

n/a

Funding

n/a

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Training, Consulting, Funding, Technology transfer	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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**Research Development Manufacturing
& Supply**

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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