

MTC Lightweight Structures e.V.

About this organisation

Machine translation

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

The association endeavours to cooperate closely with the Federal Cluster of Excellence "MERGE" at Chemnitz University of Technology in order to ensure the transfer of knowledge between industry and science. The overarching goal is the development and application of key technologies for the resource-efficient production of lightweight structures with high performance and functional density. lightweight structures with high performance and functional density.

- Establishing and maintaining an international network between business and science
- Initiating new projects with national and international partners within the cluster platform
- Cooperation on all technical issues relating to key technologies for the resource-efficient production of lightweight structures
- Establishment of specialised working groups within the fields of activity of the "MERGE" Cluster of Excellence

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Saxony
Germany
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Organisation type
Cluster

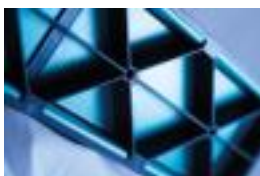
Sectors



Employees
Up to 9

Turnover
Up to €2m

Funding
n/a



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About this organisation

Main areas covered Lightweight construction network, Consultancy for R&D projects, Advice on funding opportunities

Infrastructure

Certifications

Keywords Cluster of Excellence MERGE, Lightweight construction suitable for large-scale production

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Training, Consulting, Funding, HR services, 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>			

Overview of lightweighting expertise

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Research Development **Manufacturing
& Supply**

Manufacturing process

Additive manufacturing

Coating (surface engineering)

Fibre composite technology

Forming

Joining

Material property alteration

Primary forming

Processing and separating

Textile technology

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

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Contacts

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