

# MTC Lightweight Structures e.V.

## About this organisation

### Machine translation

This profile 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  
[www.mtc-lightweightstructures.com](http://www.mtc-lightweightstructures.com)



### 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
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Training, Consulting, Funding, HR services, Technology transfer	✓	✓	✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction &amp; factory 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*

# MTC Lightweight Structures e.V.

## Contacts

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

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