

# FEM-Composites GmbH

## FEM-Composites GmbH

### About this organisation

#### Machine translation

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

Competent partner for material and energy-efficient lightweight construction systems for the mobility of the future.

Our commitment: Innovative lightweight design principles  
Multi-material use: the right material in the right place in the right quantities  
Smart manufacturing technologies

Raboisen, 38  
20095 Hamburg  
Hamburg  
Germany  
[www.fem-composites.de](http://www.fem-composites.de)



#### Organisation type

Small or medium-sized enterprise

#### Sectors



#### Employees

Up to 9

#### Turnover

Up to €2m

#### Funding

n/a

#### Main areas covered

Lightweight construction systems, Fibre composites, Additive manufacturing

#### Infrastructure

#### Certifications

#### Keywords

**Memberships** Composites United e.V

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### 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, Engineering, HR services, Simulation	✓	✓	
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	
<b>Functional integration</b> Material functionalisation	✓	✓	✓
<i>Measuring and testing technology</i>			
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Structural mechanics, Materials, Reliability validation	✓	✓	
<b>Plant construction &amp; automation</b> Plant construction, Automation technology, Handling technology, Robotics	✓	✓	
<i>Recycling technologies</i>			

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& Supply**

#### Manufacturing process

*Additive manufacturing*

*Coating (surface engineering)*

*Fibre composite technology*

*Forming*

*Joining*

*Material property alteration*

*Primary forming*

*Processing and separating*

*Textile technology*

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<b>Biogenic materials</b> Bioplastics, Biocomposites	✓	✓	
<i>Cellular materials (foam materials)</i>			
<b>Composites</b> Aramid fibre composites, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Metal matrix composite, Natural fibre reinforced plastics (NFRP), Laminates, Textile-reinforced concrete	✓	✓	
<b>Fibres</b> Aramid fibres, Basalt fibres, Glass fibres, Carbon fibres, Natural fibres	✓	✓	
<i>Functional materials</i>			
<b>Metals</b> Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium	✓	✓	
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

### Contacts

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**Contacts**

Mr Merlin Tamboula, M. Sc. <i>Managing Director</i>
<a href="mailto:merlin.tamboula@fem-composites.de">merlin.tamboula@fem-composites.de</a>