

# FEHRMANN Materials X GmbH

## FEHRMANN Materials X GmbH

### About this organisation

#### Machine translation

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

As part of the FEHRMANN Tech Group, the spun-off FEHRMANN Materials X division focuses on materials informatics and the digital development of aluminium alloys for high-performance industrial applications. It brings together a team of international experts in the fields of simulation, artificial intelligence (AI) and data science.

Combined with FEHRMANN Materials' decades of metallurgical experience, the MatX team is working to reduce the digital development of new aluminium alloys from years to weeks. This also opens up new possibilities for product development, as alloys can be tested much more quickly and can therefore be customised specifically to the application.

Stenzelring 19  
21107 Hamburg  
Hamburg  
Germany  
[www.materialsx.ai](http://www.materialsx.ai)



#### Organisation type

Small or medium-sized enterprise

#### Sectors

No specific sector

#### Employees

Up to 9

#### Turnover

n/a

#### Funding

n/a

**Main areas covered** Simulation, Data Science, Artificial intelligence, Development of aluminium alloys

**Infrastructure** Foundry, Materials science laboratory

**Certifications**

**Keywords**

**Memberships**

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### Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Software & databases, Materials	✓	✓	
<i>Services &amp; consulting</i>			
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<b>Modelling and simulation</b> Multiphysics simulation, Materials	✓	✓	✓
<i>Plant construction &amp; automation</i>			
<i>Recycling technologies</i>			
<b>Manufacturing process</b>			
<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>			

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### Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
<b>Metals</b>			
Aluminium, Intermetallic alloys, Magnesium	✓	✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

### Contacts

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**Contacts**

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