

FEHRMANN Materials X GmbH

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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



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

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Software & databases, Materials	✓	✓	
<i>Services & consulting</i>			
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Multiphysics simulation, Materials	✓	✓	✓
<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			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals			
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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