

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	✓	✓	
Services & consulting			
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation Multiphysics simulation, Materials	✓	✓	✓
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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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