

Helmholtz Centre hereon GmbH

Helmholtz Association of German Research Centres

About this organisation

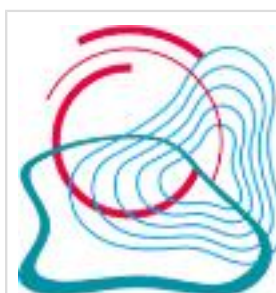
Machine translation

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

The Helmholtz Centre Hereon conducts cutting-edge international research for a changing world: around 1,100 employees create knowledge and innovations for greater resilience and sustainability. Hereon's scientific spectrum includes high-performance materials, processes and environmentally friendly technologies for mobility and new energy systems.

Laser material processing for the development of resource-saving, environmentally friendly and economical processes and regeneration of operationally stressed structures, Increasing the service life of structures by improving their resistance to fatigue, corrosion and wear

Max-Planck-Str. 1
21502 Geesthacht
Schleswig-Holstein
Germany
[hereon.de](https://www.hereon.de)



Organisation type

Non-university research institution

Sectors



Employees

500 and more

Turnover

n/a Forschungseinrichtung

Funding

Main areas covered

Laser material processing

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Consulting, Validation, Technology transfer	✓	✓	
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<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>			
Forming Others (Laser Peen Forming)	✓	✓	
<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, Steel, Titanium	✓	✓	
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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