

Holy Technologies GmbH

About this organisation

Machine translation

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

Sustainable lightweight construction technologies for the 21st century

Holy is developing new manufacturing processes that combine ML-driven simulation and robotic fibre placement. The technology disrupts a long-obsolete production process and achieves significant advances in component weight, cost and carbon footprint. The material of Holy components is reusable and retains properties suitable for high-end performance applications over multiple life cycles.

Luruper Hauptstraße 1
22547 Hamburg
Hamburg
Germany
www.holy-technologies.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

n/a

Funding

n/a

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About this organisation

Main areas covered Manufacturing process, Production simulation

Infrastructure Robotics, 3D printing

Certifications

Keywords Long fibre reinforcement, Sustainability, Automation, Carbon fibre

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Software & databases, Systems and end products	✓	✓	✓
<i>Services & consulting</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight construction concepts	✓	✓	
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Loads & stress, Optimisation, Processes, Structural mechanics, Materials	✓	✓	✓
Plant construction & automation Plant construction, Automation technology, Robotics		✓	
Recycling technologies Recycling, Upcycling	✓	✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing Fused deposition modeling, Selective laser sintering (SLS)			✓
<i>Coating (surface engineering)</i>			
Fibre composite technology Filament winding, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion	✓	✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
Textile technology Preforming, Knitting, laid web production	✓	✓	

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics, Biocomposites	✓	✓	✓
Cellular materials (foam materials) Closed-pore			✓
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)	✓	✓	✓
Fibres Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings	✓	✓	✓

Contacts

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Contacts

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