

Space Structures GmbH

About this organisation

Machine translation

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

Space Structures GmbH is a Berlin-based company with a powerful development team, which is complemented by the project management, sales & marketing and quality assurance units. The company mainly works on projects and product developments for the aerospace industry.

Lightweight construction and all issues relating to structural and thermal behaviour are the basis of our daily work. Thanks to our expertise in the field of lightweight metals and fibre composites, we have become a valued development partner and supplier of customised products for the aerospace industry.

Fanny-Zobel-Strasse 9
12435 Berlin
Berlin
Germany
www.spacestructures.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

Up to €2m

Funding

n/a



Main areas covered

Integral FRP components (CFRP, GFRP), 3D print-optimised components, Software for screw calculation, Development services, Tools for engineering processes

Infrastructure

Certifications

Keywords

Memberships

Space Structures GmbH

Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|--|----------|-------------|------------------------|
| Offer | | | |
| Products Parts and components, Semi-finished parts, Software & databases, Systems and end products | ✓ | ✓ | ✓ |
| Services & consulting Consulting, Distribution, Engineering, Validation, Simulation, Technology transfer | ✓ | ✓ | ✓ |
| Field of technology | | | |
| Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction | ✓ | ✓ | ✓ |
| Functional integration Actuator technology, Sensor technology | ✓ | ✓ | ✓ |
| <i>Measuring and testing technology</i> | | | |
| Modelling and simulation Crash behaviour, Loads & stress, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Reliability validation | ✓ | ✓ | ✓ |
| <i>Plant construction & factory automation</i> | | | |
| <i>Recycling technologies</i> | | | |

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Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|------------------------|
| Manufacturing process | | | |
| Additive manufacturing 3D printing, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS) | | ✓ | ✓ |
| <i>Coating (surface engineering)</i> | | | |
| Fibre composite technology Filament winding, Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion | | ✓ | ✓ |
| <i>Forming</i> | | | |
| Joining Adhesive bonding, Screwing | | ✓ | ✓ |
| <i>Material property alteration</i> | | | |
| <i>Primary forming</i> | | | |
| <i>Processing and separating</i> | | | |
| Textile technology Preforming | | ✓ | ✓ |

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Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
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| Material | | | |
| Biogenic materials Biocomposites | | ✓ | ✓ |
| <i>Cellular materials (foam materials)</i> | | | |
| Composites Aramid fibre composites, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP) | | ✓ | ✓ |
| <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 | |
|--|--|
| Mr Dr. Benjamin Braun | |
| <i>Managing Director</i> | |
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