

CarbonTT - Carbon Truck & Trailer GmbH

About this organisation

Machine translation

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

CarbonTT develops and manufactures structural components made of carbon fibre reinforced plastic (CFRP) for light commercial vehicles up to 4.25t GVW. Lightweight construction increases the payload and range of the vehicles while reducing CO2 emissions. Electric versions of the vehicles will be available from Q4 2017.

We are working on making CFRP components for the commercial vehicle and automotive industry economically viable. Our focus is on - Production-orientated component design - Cost-effective manufacturing processes - CFRP-metal interfaces and connections - Integration of components into the overall lightweight construction concept - Validation of hybrid structures

Airbusstrasse 1
21684 Stade
Lower Saxony
Germany
www.carbonTT.com



Organisation type

Small or medium-sized enterprise

Sector



Employees

10 up to 49

Turnover

n/a

Funding

n/a



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About this organisation

Main areas covered Development & production of CFRP parts

Infrastructure

Certifications

Keywords Carbon fibre plastic CFRP, Hybrid, Chassis Chassis rear frame

Memberships

Overview of lightweighting expertise

Machine translation

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| | Research | Development | Manufacturing & Supply |
|--|----------|-------------|---------------------------|
| Offer | | | |
| Products Parts and components, Systems and end products | | ✓ | ✓ |
| Services & consulting Consulting, Testing and trials, Engineering, Prototyping | | ✓ | ✓ |

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Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|---------------------------|
| Field of technology | | | |
| Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts | | ✓ | ✓ |
| <i>Functional integration</i> | | | |
| <i>Measuring and testing technology</i> | | | |
| Modelling and simulation Loads & stress, Structural mechanics, Materials, Reliability validation | | ✓ | ✓ |
| <i>Plant construction & factory automation</i> | | | |
| Recycling technologies Recycling | | | ✓ |

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Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|---------------------------|
| Manufacturing process | | | |
| Additive manufacturing 3D printing | | | ✓ |
| <i>Coating (surface engineering)</i> | | | |
| Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Vacuum infusion | | ✓ | ✓ |
| <i>Forming</i> | | | |
| Joining Hybrid joining, Adhesive bonding, Riveting, Screwing, Welding | | ✓ | ✓ |
| <i>Material property alteration</i> | | | |
| Primary forming Pultrusion | | ✓ | ✓ |
| <i>Processing and separating</i> | | | |
| <i>Textile technology</i> | | | |

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| Material | | | |
| <i>Biogenic materials</i> | | | |
| Cellular materials (foam materials) Closed-pore, Open-pore | | ✓ | ✓ |
| Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP) | | ✓ | ✓ |
| Fibres Glass fibres, Carbon fibres | | ✓ | ✓ |
| <i>Functional materials</i> | | | |
| <i>Metals</i> | | | |
| Plastics Thermoset plastics, Thermoplastics | | ✓ | ✓ |
| <i>Structural ceramics</i> | | | |
| (Technical) textiles Yarns, rovings, Laid webs, Woven fabrics | | ✓ | ✓ |

Contacts

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Contacts

Mr Gerret Kalkoffen

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gerret.kalkoffen@carbontt.com