About this organisation

Machine translation

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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 C02 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











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About this o	rganisation
Main areas covered	Development & production of CFRP parts
Infrastructure	
Certifications	
Keywords	Carbon fibre plastic CFRP, Hybrid, Chassis Chassis rear frame
Memberships	
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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				
Machine translation				
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	Research	I Development	Manufacturin & Supply	
Field of technology				
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts		~	~	
Functional integration				
Measuring and testing technology				
Modelling and simulation Loads & stress, Structural mechanics, Materials, Reliability validation		~	✓	
Plant construction & automation				
Recycling technologies Recycling			✓	

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Overview of lightweighting expertise Machine translation This organisation has been machine-translated based on data provided in German.					
Manufacturing process					
Additive manufacturing 3D printing			✓		
Coating (surface engineering)					
Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Vacuum infusion		~	✓		
Forming					
Joining Hybrid joining, Adhesive bonding, Riveting, Screwing, Welding		~	✓		
Material property alteration					
Primary forming Pultrusion		✓	✓		
Processing and separating					
Textile technology					

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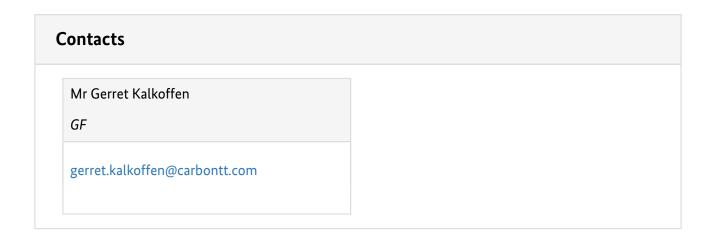
Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing **Development** & Supply Research Material Biogenic materials Cellular materials (foam materials) Closed-pore, Open-pore **Composites** Glass-fiber reinforced plastics (GFRP), Carbonfiber reinforced plastics (CFRP) **Fibres** Glass fibres, Carbon fibres Functional materials Metals **Plastics** Thermoset plastics, Thermoplastics Structural ceramics (Technical) textiles Yarns, rovings, Laid webs, Woven fabrics

Contacts

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