Hans Goetz Engineering

About this organisation

Machine translation

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

The core business of Hans Götz Engineering is the overall development of systems. This ranges from the development of air suspension for series vehicles to the development of complete vehicles. In our research department, we work with our customers to develop new and innovative ways of solving a wide range of problems.

Due to its close ties to motorsport and the automotive industry, lightweight construction is a central aspect of HGE. The entire spectrum of lightweight construction can be found in various projects: - Lightweight material construction: the selection of a wide variety of materials, e.g. carbon and carbon hybrid monocoques or titanium rollover structures; - Lightweight mould construction: targeted utilisation of material distribution in carriers, structures and sheet metal; - Lightweight manufacturing: the development of components using a variety of different manufacturing processes; - Concept lightweight construction: pursuing the lightweight construction concept from development to prototypes to products ready for series production; - Functional integration during the development of products and components, taking into account possible further development potential; - Component design: simulation-supported load and stress determination using FEM, CFD, EM and MBS.

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85296 Rohrbach
Bavaria
Germany
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Organisation type
Small or medium-sized enterprise

Sectors

Employees
10 up to 49

Turnover
€2m - €10m

Funding
n/a

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About this organisation

Main areas covered	Chassis development, Prototype development, Chassis design, FEM/CFD simulation, Vehicle electrification
Infrastructure	
Certifications	ISO 9001
Keywords	
Memberships	NAFEMS

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Engineering, Prototyping, Simulation		✓	

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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, Lightweight material construction		✓	
Functional integration			
Measuring and testing technology			
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials		✓	
Plant construction & automation			
Recycling technologies			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming Bending, Deep-drawing		✓	
Joining Adhesive bonding, Riveting, Screwing, Welding		✓	
Material property alteration			
Primary forming Casting, Injection moulding		✓	
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Cutting		✓	
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)		✓	
Fibres Aramid fibres, Glass fibres, Carbon fibres		✓	
Functional materials			
Metals Aluminium, Steel		✓	
Plastics Thermoset plastics, Thermoplastics		✓	
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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