

## 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.

Robert-Bosch-Str. 8  
85296 Rohrbach  
Bavaria  
Germany  
[www.hansgoetz.de](http://www.hansgoetz.de)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

10 up to 49

### Turnover

€2m - €10m

### Funding

n/a

## 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
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Engineering, Prototyping, Simulation		✓	

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction		✓	
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials		✓	
<i>Plant construction &amp; automation</i>			
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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

## Overview of lightweighting expertise

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

## Contacts

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## Contacts

Mr Thomas Habersstock, M. Eng.

*Head of Development*

[habersstock@hansgoetz.de](mailto:habersstock@hansgoetz.de)