

About this organisation

Machine translation

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

ZF is a globally active technology group and supplies systems for the mobility of passenger cars, commercial vehicles and industrial technology. With a comprehensive technology portfolio, ZF offers holistic solutions for established automotive manufacturers as well as mobility providers and emerging companies in the transport and mobility sector. The ZF Group has around 153,500 employees at 271 locations in 42 countries.

ZF's development departments make lightweight products made of metals and plastics possible for all of ZF's areas of activity. Particularly in the areas of passenger transport and commercial vehicles, ZF develops completely new products up to series production readiness and also takes over the production of these components. This is always accompanied by a scientifically sound analysis of the environmental impact, so that it is ensured at all times that new ZF products are considerably more environmentally compatible than their predecessors. ZF is endeavouring to be climate-neutral by 2040 at the latest - lightweight construction is a building block in achieving this goal.

Löwentaler Str. 20
88046 Friedrichshafen
Baden-Württemberg
Germany
www.zf.com



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

About this organisation

Main areas covered Chassis technology and drive technology

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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Research Development **Manufacturing & Supply**

Offer

Products

Services & consulting

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 Sensor technology	✓	✓	✓
Measuring and testing technology Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	
Modelling and simulation Loads & stress, Structural mechanics, Materials		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

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 Filament winding, Others (Pultrusion)	✓	✓	✓
<i>Forming</i>			
Joining Hybrid joining, Adhesive bonding		✓	✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals			
Aluminium, Steel		✓	✓
Plastics			
Thermoset plastics, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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Technologies*

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