

## 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](http://www.zf.com)



### Organisation type

Large enterprises

### Sectors



### Employees

500 and more

### Turnover

More than €50m

### Funding

# ZF Friedrichshafen AG

## About this organisation

**Main areas covered** Chassis technology and drive technology

**Infrastructure**

**Certifications**

**Keywords**

**Memberships**

## Overview of lightweighting expertise

### Machine translation

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**Research   Development   Manufacturing & Supply**

### Offer

*Products*

*Services & consulting*

## 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	✓	✓	✓
<b>Functional integration</b> Sensor technology	✓	✓	✓
<b>Measuring and testing technology</b> Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	
<b>Modelling and simulation</b> Loads & stress, 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>			
<b>Additive manufacturing</b> 3D printing	✓	✓	✓
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Filament winding, Others (Pultrusion)	✓	✓	✓
<i>Forming</i>			
<b>Joining</b> 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
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<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

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