

## About this organisation

### Machine translation

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

BENTELER Automotive is the development partner for the world's leading car manufacturers. With around 23,000 employees and more than 70 plants in around 25 countries, we develop customised solutions for our customers: Our products include components and modules for chassis, body, engine and exhaust systems as well as solutions for electric vehicles.

Megatrends such as sustainability and urbanisation are changing mobility behaviour and the demands placed on it. The requirements for the materials used are also becoming ever more extensive. They need to be sustainable, safe and affordable at the same time. We can do that. Because we know the material we have been working with for almost 150 years. But we are not satisfied with our knowledge - in our materials laboratory in Paderborn, we are constantly investigating the properties and production possibilities of metal, developing new high-strength steels ourselves and analysing possible applications for aluminium. This enables us to offer you the optimum material with perfectly harmonised material properties.

An der Talle 27-31  
33102 Paderborn  
North Rhine-Westphalia  
Germany  
[www.benteler.com/en/](http://www.benteler.com/en/)

**Main areas covered** Automotive components

**Infrastructure**

**Certifications**

**Keywords** Automotive components, Electromobility

**Memberships**



**Organisation type**

Large enterprises

**Sector**



**Employees**

500 and more

**Turnover**

n/a

**Funding**

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components	✓	✓	✓
<b>Services &amp; consulting</b> Training, Testing and trials, Validation, Simulation	✓	✓	✓
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight manufacturing	✓	✓	✓
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis	✓	✓	✓
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Optimisation, Processes, Materials, Reliability validation	✓	✓	✓
<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, Compression moulding, Thermal converting, Others (Hot and cold forming)	✓	✓	✓
<b>Joining</b> Welding	✓	✓	✓
<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	✓	✓	
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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