

## About this organisation

### Machine translation

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

Gestamp is an international Tier 1 automotive supplier in the areas of body, chassis and mechanics with more than 40,000 employees at over 100 production sites and 13 R&D locations in 24 countries. Lightweight construction and sustainability play a central role in the technological development and global manufacturing of products. Gestamp's customers include almost all well-known car manufacturers.

Traditionally, the driving characteristics of a vehicle determine the design criteria of the chassis. In addition to the fatigue strength of the individual components, such as the subframe, wishbones, track control arms and camber links, the stiffness and strength of the individual components in combination play a decisive role in driving dynamics. Weight reduction by simply reducing component wall thicknesses is therefore limited and must be achieved through constructive, economical lightweight design. The motto "the right material in the right place" determines the selection of lightweight materials. Steel, followed by aluminium materials, plays an overriding role thanks to its outstanding properties, global availability and sustainability. Fibre composites and the hybridisation of components are currently being researched and will expand Gestamp's lightweight construction strategy in the future.

Gotenstr.91  
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North Rhine-Westphalia  
Germany  
[www.gestamp.com](http://www.gestamp.com)



### Organisation type

Large enterprises

### Sector



### Employees

500 and more

### Turnover

More than €50m

### Funding



## About this organisation

<b>Main areas covered</b>	Automotive components
<b>Infrastructure</b>	R&D centres, Test fields with test benches, Materials laboratories, CAE/CAD, Prototype construction
<b>Certifications</b>	ISO 9001, IATF 16949, ISO 14001, ISO 45001, ISO 50001
<b>Keywords</b>	Chassis, Car body, Lightweight construction, Electromobility, Automotive components
<b>Memberships</b>	Sernauto, EFB e.V., CLEPA, IEF (Family Business Institute), CCE (Spanish Chamber of Commerce)

## 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, Prototyping, Validation, 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, Hybrid structures, Lightweight construction concepts	✓	✓	✓
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	✓
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Optimisation, Processes, Structural mechanics, 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>			
<b>Additive manufacturing</b> Deposition welding, Others (Welding and assembly,)			✓
<b>Coating (surface engineering)</b> Painting, Powder coating, Others (Cataphoretic dip coating,)	✓	✓	✓
<i>Fibre composite technology</i>			
<b>Forming</b> Bending, Impact extrusion, Compression moulding, Stretch forming, Thermal converting, Rolling, Others (Hot and cold forming, HSS punching, hydroforming, roll forming, injection moulding)	✓	✓	✓
<b>Joining</b> Welding	✓	✓	✓
<i>Material property alteration</i>			
<b>Primary forming</b> Extrusion	✓	✓	✓
<b>Processing and separating</b> Turning, Milling, Shearing/punching			✓
<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)	✓		
<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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## Contacts

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