Mercedes-Benz AG

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About this organisation

Machine translation

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

Mercedes-Benz AG is responsible for the global business of Mercedes-Benz Cars and Mercedes-Benz Vans with 175,000 employees worldwide. The company focuses on the development, production and sale of passenger cars and vans as well as services. The product portfolio comprises the Mercedes-Benz brands with the Mercedes-AMG, Mercedes-Maybach and Mercedes me sub-brands as well as the smart brand and the EQ product and technology brand.

Mercedes Benz AG focuses on lightweight plastic construction, lightweight steel construction and hybrid lightweight construction (steel/aluminium). All fields of technology and manufacturing processes are considered. The topic of sustainability plays a key role here.

Mercedesstraße 120
70372 Stuttgart
Baden-Württemberg
Germany
www.mercedes-benz.com

Organisation type
Large enterprises

Sector

Employees
500 and more

Turnover
More than €50m

Funding

Main areas covered	Lightweight steel construction, Hybrid lightweight construction (steel/aluminium), Lightweight plastic construction, ...
Infrastructure	
Certifications	
Keywords	
Memberships	Research Association for Automotive Technology

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Software & databases, Systems and end products, Materials	✓	✓	✓
Services & consulting			
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
Functional integration Actuator technology, Media conductivity, Sensor technology, Thermal activation, Material functionalisation	✓	✓	✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	✓
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials, Reliability validation	✓	✓	✓
Plant construction & automation Automation technology, Handling technology, Robotics	✓	✓	✓
Recycling technologies Downcycling, Material separation, Recycling, Upcycling	✓	✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration Heat treatment	✓	✓	✓
Primary forming			
Processing and separating			
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics, Biocomposites, Wood	✓	✓	✓
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Steel	✓	✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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