Technology Institute for Metal and Engineering (TIME)

About this organisation

Machine translation

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

TIME, the Technology Institute for Metal & Engineering GmbH in Wissen/Rhineland-Palatinate, is a recognised, application-oriented research and technology institute that supports SMEs through research, testing and application in the fields of simulation, welding and joining technologies and engineering, assists with product and process optimisation and identifies funding opportunities.

Joining and especially welding of thin and high-strength steel materials, aluminium, magnesium, titanium Welding process optimisation Material analyses Bionically based topology optimisation lightweight construction engineering

Koblenzer Straße 43
57537 Wissen / Sieg
Rhineland-Palatinate
Germany
www.time-rlp.de

Organisation type
Non-university research institution

Sectors

Employees
10 up to 49

Turnover
Up to €2m

Funding
n/a

Main areas covered	Welding, Simulation, Engineering, Added value, Application research
Infrastructure	Arc welding, Resistance pressure welding, FEM-based strength calculation, Topology optimisation, Engineering
Certifications	
Keywords	Automation, Holistic production optimisation
Memberships	DVS Research Association, Rhineland-Palatinate vehicle initiative, Commercial Vehicle Cluster, Metal industry initiative, Automotive Network South Westphalia

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Training, Consulting, Testing and trials, Engineering, Validation, Simulation	✓	✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Lightweight construction concepts, Lightweight material construction		✓	
Functional integration			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis			✓
Modelling and simulation Loads & stress, Optimisation, Structural mechanics, Materials, Reliability validation, Others (Welding structure simulation)			✓
Plant construction & automation Automation technology, Handling technology, Robotics, Others (Welding with collaborative robots (cobots))		✓	
Recycling technologies			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing Deposition welding		✓	
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining Hybrid joining, Soldering, Welding	✓	✓	✓
Material property alteration			
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			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Magnesium, Steel, Titanium	✓	✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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