Dresden University of Technology
Institute for Building Climatology

About this organisation

Machine translation

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

Research and development in the fields of regenerative heat, building physics, technical expansion and climate-friendly construction

Collaboration in the development of carbon concrete composites

Zellescher Weg 17
01069 Dresden
Saxony
Germany
tu-dresden.de/bu/architektur/ibk

INSTITUT FÜR BAUKLIMATIK

Organisation type
University or higher education institution

Sector

Employees
10 up to 49

Turnover
Up to €2m

Funding
n/a

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About this organisation

Main areas covered	Thermal building simulation, Near-surface geothermal energy, Cold local heating
Infrastructure	Building physics R&D laboratory
Certifications	
Keywords	
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Software & databases, Materials	✓	✓	
Services & consulting Training, Consulting, Testing and trials, Validation, Simulation, Technology transfer	✓	✓	

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight design, Lightweight construction concepts, Lightweight material construction	✓	✓	
Functional integration Thermal activation, Material functionalisation	✓	✓	
Measuring and testing technology Component and part analysis, System analysis, Environmental simulation	✓	✓	
Modelling and simulation Life-cycle analysis, Multiphysics simulation, Materials, Reliability validation	✓	✓	
Plant construction & automation Others (Construction)	✓	✓	
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
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			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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(Institutsdirektor)

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