

About this organisation

Machine translation

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

We develop innovative buildings for urban areas to create a sustainable environment for all residents and neighbours. To achieve this, the buildings must be delicate and flexible, but equally robust.

This is achieved by using our construction systems with thin building shells made of carbon concrete combined with ecological high-performance insulation. In this way, more usable space can be realised on the same building footprint. The façade appears more delicate, the production, transport and assembly costs are reduced and the durability of the overall construction is significantly increased. All of this leads to a reduction in the raw materials used and the emissions generated during the life cycle of our construction projects.

Sitz: Anna-Kuhnow-Str. 39, 04317 Leipzig | Büro:
Lampestraße 6, 04107 Leipzig
04317 Leipzig
Saxony
Germany
www.kahnttietze.de



Organisation type

Small or medium-sized enterprise

Sector



Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

Main areas covered

Carbon concrete, Bio-aerogel insulation, Component and building system development, Automation of the manufacturing process

Infrastructure

Certifications

Keywords

Carbon concrete, Bio-Aerogel insulation, Building greening, Innovative construction system, climate-neutral construction

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Machines and plants, Systems and end products, Materials	✓	✓	
Services & consulting Consulting, Testing and trials, Funding, Engineering, Prototyping, Validation, Simulation, Technology transfer, Approval	✓	✓	✓
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, Environmental simulation	✓	✓	
Modelling and simulation Loads & stress, Life-cycle analysis, Optimisation, Processes, Materials	✓	✓	✓
Plant construction & automation Plant construction, Automation technology, Handling technology	✓	✓	
Recycling technologies Downcycling, Material separation, Recycling, Upcycling	✓	✓	

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

Primary forming

Processing and separating

Textile technology

Kahnt and Tietze GmbH

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics, Biocomposites, Wood	✓	✓	
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Textile-reinforced concrete	✓	✓	
Fibres Glass fibres, Carbon fibres, Natural fibres	✓	✓	
Functional materials Shape memory materials	✓	✓	
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings, Laid webs, Woven fabrics	✓	✓	

Contacts

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Contacts

Ms Susanne Kirmse

Strategy and research

susanne.kirmse@kahnttietze.de