

About this organisation

Machine translation

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

The OTTO QUAST companies are medium-sized, owner-managed specialised companies. We combine more than 70 years of experience with innovative construction technology. In addition to our core services - building construction, civil engineering, road construction and specialised civil engineering as well as the production of concrete elements - we offer all turnkey construction work from a single source. We accompany your construction projects from conception to realisation and commissioning.

OTTO QUAST Bauunternehmen GmbH & Co. KG is developing together together with two other partners, the University of Siegen and JACBO Pfahlgründungen GmbH, efficiency-enhanced full displacement bored pile systems as resource-optimised deep foundation elements in order to exploit the the previously unutilised potential for increasing bearing capacity and thus material and resource savings with such pile systems. pile systems. Through a combination of scaled model tests, numerical simulations and field and field tests, pile production is optimised and the resulting the resulting increase in load-bearing capacity is scientifically scientifically evaluated. The aim is to provide a valid and regulation-compliant design approach is to be provided, whereby the associated with the increase in load-bearing capacity associated with the increase in load-bearing capacity can be made accessible to construction practice.

Weidenauer Straße 265
57076 Siegen
North Rhine-Westphalia
Germany
www.quast.de



Organisation type

Large enterprises

Sector



Employees

50 up to 249

Turnover

€10m - €50m

Funding

n/a

OTTO QUAST Bauunternehmen GmbH & Co. KG

About this organisation

Main areas covered	CO2-reduced foundation elements, recycled concrete, Full displacement bored piles, Screw piles, driven piles, Ground improvement, Wormhole concrete piles
Infrastructure	Concrete laboratory
Certifications	PQ Concrete, earthworks, asphalt superstructure layers, PQ Drainage work, PQ Drilling, pile-driving, vibrating and pressing work, PQ DB Foundations Piles, subsoil improvements, Support structures
Keywords	Full displacement pile, partial displacement pile, Auger bored concrete pile, bored pile, Full displacement concrete column, stabilising column, Rigid inclusion, shoring, pile foundation, driven pile, Specialised civil engineering, building construction, civil engineering, renovation, construction
Memberships	VDBUM, DGGT, GÜB

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Materials, Tools and moulds		✓	✓
Services & consulting Consulting, Distribution, Testing and trials, Engineering, Simulation, Technology transfer	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Hybrid structures		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction		✓	✓
Recycling technologies Material separation, Recycling		✓	✓
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Casting (concrete)	✓	✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Short fibre-reinforced concrete, Textile-reinforced concrete		✓	
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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