

Holcim (Germany) GmbH

About this organisation

Machine translation

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

Holcim Germany is one of the leading companies in Germany for innovative, sustainable and digital construction products and solutions. As a pioneer in sustainable construction, Holcim's employees develop customised solutions for building owners, construction companies, architects and engineers - combined with a clear focus on climate protection and the circular economy. Our mission: Building more with less material.

Holcim Germany is a leading company in Germany for innovative construction products and solutions. In the field of lightweight construction, we offer Holcim ThermoPact, an infra-lightweight concrete that is available throughout Germany and combines excellent insulating properties with static load-bearing capacity. Our CPC concrete elements are reinforced with thin pre-stressed carbon strands. As carbon has a very high tensile strength and does not corrode, load-bearing, thin concrete slabs can be produced. Depending on the design, the use of CPC concrete slabs enables material savings of up to 80 per cent and reduces the CO2 footprint of the component by up to 75 per cent. With the dry mortar Holcim Tector Print, slim and free-form components can be produced using 3D concrete printing technology. In the extrusion process, a thin concrete bead is moulded layer by layer to form a component.

Tropelwitzstraße 5
22529 Hamburg
Hamburg
Germany
www.holcim.de



Organisation type

Large enterprises

Sector



Employees

500 and more

Turnover

More than €50m

Funding

n/a

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Main areas covered	Infra-lightweight concrete, 3D concrete printing, Carbon concrete elements
Infrastructure	Ready-mix concrete plants, Precast plants, Wheeled mobile mixing plant
Certifications	QM according to DIN EN ISO 9001, Environment according to DIN EN ISO 14001, Energy according to DIN EN ISO 50001, EcoVadis certification, CSC certificates
Keywords	3D concrete printing, 3D printing, Infra-lightweight concrete, Carbon concrete, Lightweight concrete
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials	✓	✓	✓
Services & consulting Training, Testing and trials, Engineering, Technology transfer	✓	✓	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight material construction	✓	✓	✓
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing 3D printing	✓	✓	
Coating (surface engineering)			
Fibre composite technology Casting (concrete)	✓	✓	✓
Forming			
Joining			
Material property alteration			
Primary forming Extrusion	✓	✓	
Processing and separating			
Textile technology			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites			
Textile-reinforced concrete	✓	✓	✓
Fibres			
Carbon fibres	✓	✓	
<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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