

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.

Tropfowitzstraße 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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About this organisation

| | |
|---------------------------|--|
| 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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