

Unidome Germany GmbH

About this organisation

Machine translation

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

Unidome develops and markets innovative hollow core technologies for the construction industry. Unidome produces and distributes corresponding hollow core products for the construction of lightweight, material-efficient and sustainable concrete structures. The Unidome Group consists of Unidome Deutschland GmbH, based in Eltville, Germany, and Unidome Global DWC LLC, based in Dubai, UAE.

Unidome lightweight construction technology is the result of analyses of force flows in concrete components and the simple omission of unneeded material through the concrete formers (also known as hollow bodies) developed as a result. Unidome concrete moulds replace up to 30% of the dead load of otherwise very heavy concrete components without reducing the load-bearing capacity of the components. The lightness of ceiling components, for example, also makes it possible to create slender and material-efficient building structures. In addition to the lightness gained, material is saved in the construction of buildings and CO2 emissions and energy consumption are significantly reduced.

Große Hub 10a
65344 Eltville
Hesse
Germany
www.unidome.de



Organisation type

Small or medium-sized enterprise

Sector



Employees

Up to 9

Turnover

Up to €2m

Funding



Unidome Germany GmbH

About this organisation

Main areas covered	Unidome hollow body products, Lightweight design technology
Infrastructure	Sales offices, Production and storage facilities
Certifications	DIBT approval Z-15.1-353, ICC-ES Evaluation Report ESR-4762
Keywords	Hollow core slab, Sustainable building, Hollow body products for concrete components
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components	✓	✓	✓
Services & consulting Consulting, Distribution	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

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

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

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Contacts

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