

About this organisation

Machine translation

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

With an annual output of around €4 billion, Ed. Züblin AG is one of Germany's largest construction companies and is now the leading brand for building construction and civil engineering within the STRABAG Group. The company's range of services covers all construction-related tasks - from complex turnkey construction, civil engineering and tunnelling to construction logistics, building maintenance, special civil engineering, timber and steel construction.

In recent years, ZÜBLIN has driven forward the topics of digitalisation, LEAN.construction and sustainability and - based on the many years of expertise of its Central Engineering department - is increasingly offering integrated planning and construction from a single source as a general planner. As part of its sustainability strategy, Ed. Züblin AG has set itself the goal of achieving climate neutrality along the entire value chain by 2040. Various research projects in additive manufacturing with concrete, material and component development in the field of lightweight construction and the use of CO2-reduced concrete contribute to this goal.

Albstadtweg 3
70567 Stuttgart
Baden-Württemberg
Germany
www.zueblin.de

Main areas covered Additive manufacturing, CO2-reduced lightweight concretes, CO2-reduced components, Carbon concrete ceilings

Infrastructure

Certifications ISO 9001, ISO 50001

Keywords

Memberships HDB, DBV, DAfStb, VDI, Encord



Organisation type

Large enterprises

Sector



Employees

500 and more

Turnover

More than €50m

Funding

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Materials		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Standardisation, Prototyping, Simulation, Technology transfer	✓	✓	
Field of technology			
Design & layout Hybrid structures	✓	✓	✓
Functional integration Material functionalisation			✓
Measuring and testing technology Component and part analysis, Environmental simulation			✓
Modelling and simulation Optimisation, Processes, Materials	✓	✓	
<i>Plant construction & automation</i>			
Recycling technologies Recycling	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Others (Concrete Printing)	✓	✓	✓
<i>Coating (surface engineering)</i>			
Fibre composite technology Casting (concrete), Spinning (concrete), Spraying (concrete)	✓	✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling		✓	
<i>Textile technology</i>			

Overview of lightweighting expertise

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Research Development **Manufacturing & Supply**

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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