

## About this organisation

solidian is the leading manufacturer of non-metallic reinforcements made of carbon and glass fibers for innovative concrete construction. The reinforcements are used by building with textilereinforced concrete in architectural and structural elements as well as in furniture construction. They convince by corrosion-freedom, lightness and sustainability.

From the development and production of the reinforcements to the component calculation, solidian offers everything from a single source. Non-metallic reinforcements made of carbon and glass fibers are increasingly in use in innovative projects and convince through their technological and creative advantages. Especially in façade construction, the building material shows its combined strength of lightness, stability and diversity and is in increasing demand, as long as sustainable solutions are required. Planners and manufacturers of precast elements rely on solidian's extensive experience. In recent years, the company has made a name for itself not only as a manufacturer of non-metallic reinforcements, but also as a technology consulting project partner. The growing worldwide demand for this innovative building material demonstrates the enormous potential of building with textilereinforced concrete in various construction sectors.

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[www.solidian.com](http://www.solidian.com)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

10 up to 49

### Turnover

n/a

### Funding

n/a

## About this organisation

<b>Main areas covered</b>	non-metallic reinforcement, application consulting, bar reinforcement
<b>Infrastructure</b>	Test Laboratory
<b>Certifications</b>	DIN EN ISO 9001:2015, abZ Fertiggaragen, abZ Sandwichwand
<b>Keywords</b>	reinforcement, fibre reinforced concrete, carbon concrete, carbon reinforcement, glass fibre reinforcement
<b>Memberships</b>	C <sup>3</sup> -Carbon Concrete Composites e.V., AFBW, DGNB, Composites United e.V. , GRCA

## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<i>Products</i>			
<i>Services &amp; consulting</i>			
<b>Field of technology</b>			
<b>Design &amp; layout</b> Hybrid structures, Lightweight material construction		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<b>Modelling and simulation</b> Structural mechanics, Materials		✓	✓
<i>Plant construction &amp; automation</i>			
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Casting (concrete), Resin infusion process, Pre-preg processing		✓	✓
<b>Forming</b> Thermal converting		✓	
<i>Joining</i>			
<b>Material property alteration</b> Thermomechanical treatment		✓	✓
<b>Primary forming</b> Pultrusion		✓	✓
<i>Processing and separating</i>			
<b>Textile technology</b> Textile surface treatment and finishing, Weaving, Knitting, laid web production		✓	✓

## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<b>Composites</b> Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Textile-reinforced concrete		✓	✓
<b>Fibres</b> Basalt fibres, Glass fibres, Carbon fibres		✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
<b>Plastics</b> Thermoset plastics, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<b>(Technical) textiles</b> Laid webs, Woven fabrics		✓	✓

## Contacts

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