

Alfred Rein Ingenieure GmbH

About this organisation

Machine translation

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

Alfred Rein Ingenieure is a worldwide operating engineering office, which offers engineering services in the field of lightweight construction, building with foils and textile materials, as well as in the field of special constructions (convertible roofs).

Since its foundation, Alfred Rein Ingenieure has already successfully realised over 100 projects in the field of lightweight construction and membrane construction. The calculation and verification of load-bearing structures is carried out using an overall FE model, which allows a particularly economical analysis of all load-bearing elements. By selecting efficient load-bearing structures, an optimal reduction of the construction mass used in the project is achieved. Due to the clear and lean detailing of the structure, only the most necessary effort is used for the construction. Easily recyclable and separable concepts are pursued. Attention is paid to the assembly-friendly design of the structure right from the design stage.

Fuchseckstraße 7
70188 Stuttgart
Baden-Württemberg
Germany
ar-ingenieure.com

AR INGENIEURE

Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

Up to €2m

Funding

n/a



Alfred Rein Ingenieure GmbH

About this organisation

Main areas covered Structural design, Consultancy services, Design, Draft, Project management

Infrastructure Parametric design, Simulation software

Certifications

Keywords Membrane, convertible roofs, Maintenance

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
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Offer

Products

Services & consulting

Consulting, Engineering, Simulation, Maintenance and repair



Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Hybrid structures, Lightweight construction concepts, Lightweight material construction			✓
Functional integration Actuator technology, Media conductivity, Sensor technology		✓	✓
<i>Measuring and testing technology</i>			
Modelling and simulation Loads & stress, Optimisation, Structural mechanics		✓	✓
<i>Plant construction & automation</i>			
Recycling technologies Recycling		✓	
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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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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Mr Dr.-Ing. Alexander Hub

Managing Director

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