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.

AR INGENIEURE

Organisation type
Small or medium-sized enterprise

Sectors

Employees
Up to 9

Turnover
Up to €2m

Funding
n/a

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

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
Offer			
Products			
Services & consulting Consulting, Engineering, Simulation, Maintenance and repair			✓

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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		✓	✓
Measuring and testing technology			
Modelling and simulation Loads & stress, Optimisation, Structural mechanics		✓	✓
Plant construction & automation			
Recycling technologies Recycling		✓	
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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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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Managing Director

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