About this organisation

Machine translation

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

The ISE is a non-profit, industrial research organisation that conducts industry-related and application-oriented research and development for and with SMEs. The focus is on lightweight structural design and energy efficiency from components to buildings as well as corresponding product and process development. The R&D work is characterised by the interdisciplinarity of the skills and trades involved as well as market and results orientation

The industrial research institute ISE focuses on the development and testing of innovative products and technologies in the fields of lightweight structural engineering and energy efficiency for applications in the construction industry, mechanical engineering, apparatus engineering and shipbuilding. The institute has the following core competences: - energetically active and passive component development for various branches of industry with the aim of increasing energy efficiency - highly insulating materials and their application in various fields of application - Energy-efficient and smart container structures - cellular materials and their application - Lightweight structural engineering - Innovative ship development for lightweight, energy-efficient, autonomous ships

Limbacher Straße 56 09113 Chemnitz Saxony Germany

www.institut-se.de Organisation type
Non-university research institution

Sectors

No specific sector

Employees

10 up to 49

Turnover

n/a

Funding

n/a

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About this organisation	
Main areas covered	Energy-efficient buildings, Cellular materials, Lightweight building, Lightweight construction in the maritime sector
Infrastructure	Solar laboratory, Load management laboratory, Pollutant laboratory, Energy efficiency laboratory
Certifications	
Keywords	
Memberships	Association of Innovative Companies, Zuse Community, SIG
wiembersmps	Association of Innovative Companies, Zuse Community, 310

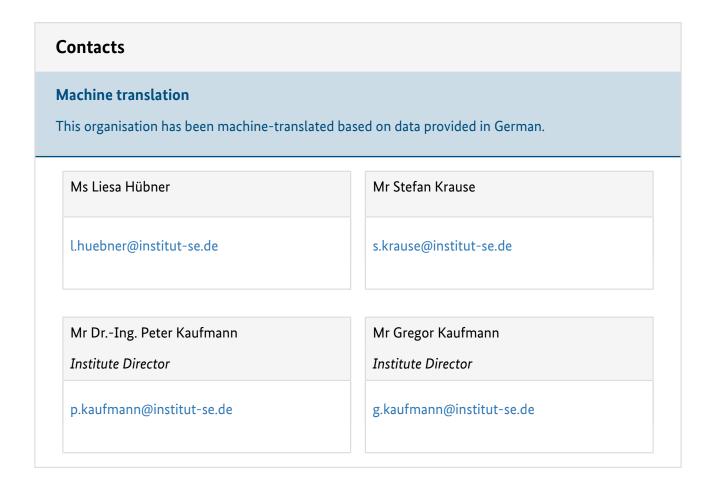
Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing Research **Development** & Supply Offer **Products Services & consulting** Testing and trials, Engineering, Prototyping, Simulation, Technology transfer Field of technology Design & layout Functional integration Measuring and testing technology Modelling and simulation Plant construction & automation Recycling technologies

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Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing **Development** & Supply Research 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

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(Technical) textiles



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