

About this organisation

Machine translation

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

SCALE specialises in IT solutions for the management of simulation data and CAE processes. Our main solution, SCALE.sdm, enables the holistic management of simulation and test data in virtual product development. Our focus is on customised software development and first-class support for CAE processes.

Our particular expertise lies in the calibration of FEM material models for carbon fibre and glass fibre reinforced plastics as well as aluminium alloys and steels. We develop precise and reliable material models that accurately represent the behaviour of these materials under different load conditions. In addition, we have extensive experience in the use of data management systems for the development of lightweight products. These systems enable us to efficiently manage and analyse large amounts of data and use it to optimise development processes. Our expertise enables us to carry out complex structural analyses and identify optimisation potential. Through careful calibration of FEM models and powerful data management systems, we improve the accuracy and efficiency of simulation processes and support the development of lightweight and robust components.

Levelingstr. 40
85049 Ingolstadt
Bavaria
Germany
www.scale.eu/



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

n/a

Funding

n/a

About this organisation

Main areas covered Sustainable lightweight structures

Infrastructure

Certifications

Keywords

Memberships NAFEMS

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Software & databases			✓
Services & consulting Consulting, Testing and trials, Simulation, Technology transfer			✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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Research Development **Manufacturing & Supply**

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

(Technical) textiles

SCALE GmbH

Contacts

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