

About this organisation

Machine translation

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

Research institute

- Design, sizing and optimisation and lightweight structures - Static and dynamic testing of lightweight parts of automotive, aerospace, and space applications - Development of sizing methods and tools

Wüllnerstr. 7
52062 Aachen
North Rhine-Westphalia
Germany
www.sla.rwth-aachen.de



Organisation type

University or higher education institution

Sectors



Employees

10 up to 49

Turnover

n/a

Funding



[Projects in the funding catalogue](#)

About this organisation

Main areas covered	Research and development, Consulting, Testing, Stress analysis, Structural Health Monitoring (SHM)
Infrastructure	Structural test lab, Thermal Vacuum Chamber, FEM software
Certifications	
Keywords	Structural optimisation, Mechanics, Stress analysis, Sizing methods and tools, Structural Health Monitoring (SHM)
Memberships	iasb

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting			
Consulting, Testing and trials, Engineering, Simulation	✓	✓	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight design, Hybrid structures, Lightweight construction concepts	✓	✓	
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Destructive analysis	✓	✓	
Modelling and simulation Crash behaviour, Loads & stress, Multiphysics simulation, Optimisation, Structural mechanics	✓	✓	
<i>Plant construction & factory automation</i>			
<i>Recycling technologies</i>			
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>			

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 Univ.-Prof. Dr.-Ing. Kai-Uwe Schröder

Head of Institute

kai-uwe.schroeder@sla.rwth-aachen.de