

Solutions 4 Energy GmbH

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About this organisation

Machine translation

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

Development, production, installation and service of wind turbines Engineering office in the field of wind energy

all structural components of a wind turbine (steel, cast iron, aluminium, fibre-reinforced plastics)

Werftstraße 20
18057 Rostock
Mecklenburg-Western Pomerania
Germany
www.s4e-online.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

Main areas covered

WTG structures e.g. rotor blades

Infrastructure

Prototypes and demonstrators

Certifications

Keywords

Small wind turbines 30 kW

Memberships

Federal Association of Small Wind Turbines e.V.

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Simulation		✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight construction concepts		✓	✓
Functional integration Actuator technology, Sensor technology		✓	✓
Measuring and testing technology Component and part analysis		✓	
Modelling and simulation Loads & stress, Optimisation, Structural mechanics, Materials, Reliability validation		✓	
Plant construction & automation Plant construction		✓	✓
<i>Recycling technologies</i>			

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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

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)		✓	
Fibres Glass fibres, Carbon fibres		✓	
<i>Functional materials</i>			
Metals Aluminium, Steel		✓	
Plastics Thermoset plastics		✓	
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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