

Sustainability" working group

Network [AVK working group]

About this organisation

Machine translation

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

Creation of a platform for exchanging experiences on the actual impact of composites on the environment and the associated opportunities and risks. The aim is also to develop a common language for customers and the public on the subject of sustainability.

Current main activity: In a project completed in 2014 by three of the major resin manufacturers, the ecological impact of resin production was analysed. The next step is to use this data - and the equivalent data already available for glass fibre production - to develop a tool that will enable composites manufacturers to generate life cycle analyses for their own products/components.

Am Hauptbahnhof 10
60329 Frankfurt am Main
Hesse
Germany
www.avk-tv.de



Organisation type

Cluster

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 Sustainability, Network, Exchange, Calculation, Marketing

Infrastructure on request

Certifications

Keywords Sustainability, Sustainability, LCA, Eco Impact

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Software & databases, Materials		✓	✓
Services & consulting Simulation, Approval		✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Environmental simulation, Materials analysis		✓	✓
Modelling and simulation Life-cycle analysis, Materials		✓	✓
<i>Plant construction & factory automation</i>			
<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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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Biocomposites		✓	✓
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)		✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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