Halle location

About this organisation

Machine translation

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

As the largest plastics institute in Germany, the SKZ offers solutions for all questions relating to plastics. (Further information at SKZ Würzburg) In addition to its core expertise in joining plastics, the SKZ's activities in composite technology are concentrated at the Halle site.

Courses are offered here for skilled workers and managers on the basics of processing fibre-reinforced plastics (FRP), model and mould construction and repair techniques. International projects and English-language courses are also part of the centre's portfolio. SKZ Halle is the place where processors can exchange ideas. Seminars and specialist conferences offer the ideal opportunity for this. The Composite research group in Halle deals with the holistic consideration of fibre-reinforced plastics (FRP), starting with the selection of materials and influencing the composite properties through to the technological realisation of production concepts. Other focal points are measurement and testing technologies, non-destructive analyses and the repair of fibre composite structures. The aim is to develop new concepts for the use of fibre-reinforced composites, particularly in the areas of wind energy, design applications and mobility.

particularly in the are and mobility.

Köthenerstraße 33 a 06118 Halle
Saxony-Anhalt
Germany

www.skz.de



Organisation type

Non-university research institution

Sectors

No specific sector

Employees

250 up to 499

Turnover

€10m - €50m

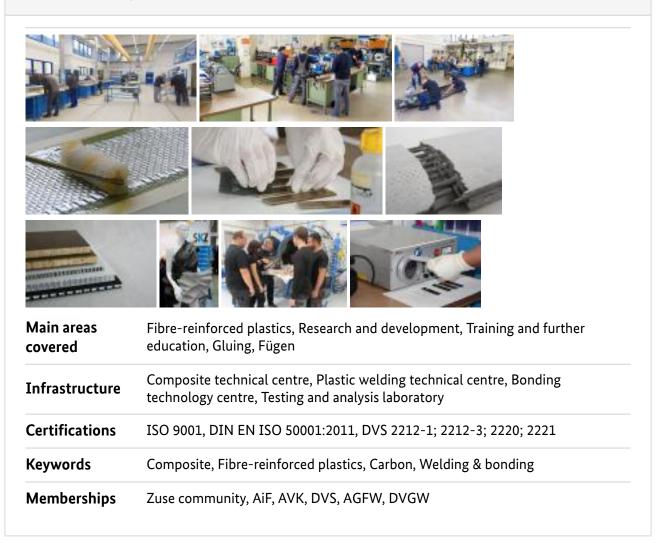
Funding

n/a

leichtbauatlas.de Page 1 of 6

Halle location

About this organisation



leichtbauatlas.de Page 2 of 6

Recycling technologies

Halle location

Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing & Supply Research Development Offer **Products** Parts and components, Materials Services & consulting Training, Consulting, Testing and trials, Prototyping, Validation, Technology transfer Field of technology **Design & layout** Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction **Functional integration** Actuator technology, Sensor technology, Thermal activation, Material functionalisation Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis Modelling and simulation Plant construction & automation

leichtbauatlas.de Page 3 of 6

Halle location

Overview of lightweighting expertise				
Machine translation				
This organisation has been machine-translated based on data provided in German.				
	Research	Development	Manufacturing & Supply	
Manufacturing process				
Additive manufacturing				
Coating (surface engineering) Plasma process, Others (Primers, CO2 snow blasting unit)	~	~	✓	
Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion, Others (Repair process, pressing technology, autoclave process)	✓	✓	✓	
Forming				
Joining Adhesive bonding, Sewing, Welding	✓	✓		
Material property alteration Mechanical treatment, Heat treatment	✓	✓		
Primary forming				
Processing and separating Drilling, Turning, Milling, Sawing, Grinding, Cutting	~	~	✓	
Textile technology				

leichtbauatlas.de Page 4 of 6

Halle location

Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing & Supply Research Development Material **Biogenic materials** Biocomposites Cellular materials (foam materials) Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Metal-fibre-polymer composite, Natural fibre reinforced plastics (NFRP), Laminates **Fibres** Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Metal fibres, Natural fibres Functional materials Metals **Plastics** Thermoset plastics, Thermoplastics Structural ceramics (Technical) textiles Yarns, rovings, Meshes, Laid webs, Crocheted fabrics, Woven fabrics, Knitted fabrics, Nonwovens, mats

Contacts Machine translation

leichtbauatlas.de Page 5 of 6

Halle location

Contacts	
This organisation has been machine-translated ba	sed on data provided in German.
Ms Carina Heinze	
Site management	
c.heinze@skz.de	

leichtbauatlas.de Page 6 of 6