#### About this organisation

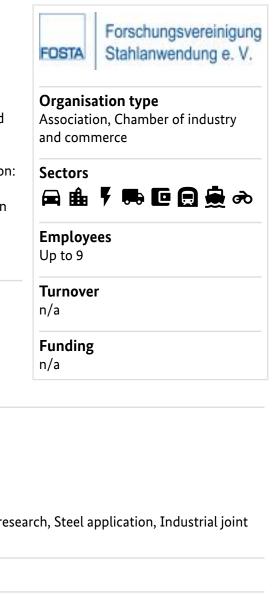
#### **Machine translation**

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

Network partner for the promotion and project planning of joint steel application research. Financed by the steel industry and supported by the steel application industry and research institutes. Project objectives: Improving and securing competitiveness Optimisation of processing techniques Development of new areas of application Substitution of competing materials Solutions with hybrid materials

FOSTA's research focuses on lightweight steel construction: - Material behaviour - Machining and processing construction - simulation - sustainability - Standardisation FOSTA - Forschungsvereinigung Stahlanwendung e. V. is a member of the AiF Research Alliance for Lightweight Construction.

Sohnstr. 65 40237 Düsseldorf North Rhine-Westphalia Germany ☑ www.stahlforschung.de



AiF-Forschungsallian Leichtbau	
Main areas covered	Research funding (IGF), Community research, Steel application, Industrial joint research, Pre-competitive
Infrastructure	
Certifications	
Keywords	
Memberships	AiF e.V., Lightweight Construction Research Alliance (FAL)

<b>Aachine translation</b> This profile has been machine-translated based on data provided in German.					
	Research	N Development	lanufacturi & Supply		
Offer					
<b>Products</b> Others: null	$\checkmark$				
Services & consulting					
Field of technology					
<b>Design &amp; layout</b> Lightweight manufacturing, Hybrid structures, Lightweight construction concepts, Lightweight material construction	~				
Functional integration Material functionalisation	$\checkmark$				
Measuring and testing technology					
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Optimisation, Processes, Materials	$\checkmark$				
Plant construction & factory automation					

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	Research	N Development	Aanufacturin & Supply			
Manufacturing process						
Additive manufacturing Deposition welding	$\checkmark$					
<b>Coating (surface engineering)</b> Powder coating, Hot dipping	$\checkmark$					
Fibre composite technology						
<b>Forming</b> Bending, Impact extrusion, Compression moulding, Forging, Stretch forming, Thermal converting, Deep-drawing, Fluid active media based forming, Rolling	~					
<b>Joining</b> Clinching, Hybrid joining, Adhesive bonding, Soldering, Riveting, Screwing, Welding	$\checkmark$					
Material property alteration Thermomechanical treatment, Heat treatment	$\checkmark$					
Primary forming						
<b>Processing and separating</b> Drilling, Turning, Milling, Grinding	$\checkmark$					
Textile technology						

Machine translation This profile has been machine-translated based on data provided in German.					
	Research	N Development	Aanufacturi & Supply		
Material					
Biogenic materials					
Cellular materials (foam materials)					
<b>Composites</b> Others: null	$\checkmark$				
Fibres					
Functional materials					
<b>Metals</b> Steel	$\checkmark$	$\checkmark$			
Plastics					
Structural ceramics					
(Technical) textiles					

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