

# FES GmbH Fahrzeug-Entwicklung Sachsen/ Auto-Entwicklungsring Sachsen GmbH

*FES GmbH Fahrzeug-Entwicklung Sachsen/ Auto-Entwicklungsring Sachsen GmbH*

## About this organisation

### Machine translation

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

We are a development service provider in the automotive sector with over 30 years of experience. We provide support from concept and prototype construction through to vehicle testing and technical documentation. Our areas of responsibility lie in: Development (bodywork, chassis, E/E), prototype construction, test construction, assembly, testing, driver testing, quality management, technical documentation)

The car body is characterised by a high level of complexity and a high degree of automation. Our qualified employees offer you a high level of procedural and process expertise to fully fulfil your requirements and deliver the perfect complete solution. Our core competences in the body development area: Body structure > Door, flap and locking systems > Complete vehicle development > Special projects > Add-on parts/exterior > Interior > Strak >

Crimmitschauer Str. 59  
08058 Zwickau  
Saxony  
Germany  
[www.fes-aes.de](http://www.fes-aes.de)

**Main areas covered** Automotive assemblies, Aluminium parts

**Infrastructure**

**Certifications**

**Keywords**

**Memberships**



### Organisation type

Small or medium-sized enterprise

### Sectors

No specific sector

### Employees

500 and more

### Turnover

€2m - €10m

### Funding

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## Overview of lightweighting expertise

### Machine translation

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation		✓	✓
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight construction concepts		✓	
<b>Functional integration</b> Media conductivity, Sensor technology		✓	
<b>Measuring and testing technology</b> Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Environmental simulation		✓	✓
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes		✓	
<b>Plant construction &amp; automation</b> Automation technology, Handling technology			✓
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b> 3D printing, Deposition welding, Electron beam melting			✓
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Manual lamination, Resin transfer moulding			✓
<b>Forming</b> Bending, Impact extrusion, Compression moulding, Forging, Deep-drawing			✓
<b>Joining</b> Clinching, Hybrid joining, Adhesive bonding, Soldering, Sewing, Riveting, Screwing, Welding			✓
<b>Material property alteration</b> Mechanical treatment, Heat treatment			✓
<i>Primary forming</i>			
<b>Processing and separating</b> Drilling, Turning, Milling, Sawing, Shearing/ punching, Grinding, Cutting			✓
<i>Textile technology</i>			

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

## Contacts

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**Contacts**

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