

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

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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

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

**FES GmbH Fahrzeug-Entwicklung Sachsen/ Auto-Entwicklungsring
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Overview of lightweighting expertise

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

Overview of lightweighting expertise

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

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

Contacts

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Contacts

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Management assistance

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