

## About this organisation

### Machine translation

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

With over 8,000 employees and annual sales of around 900 million euros, adesso is one of Germany's largest IT service providers. adesso advises its customers on optimising their core business processes. In addition, adesso develops its own industry-specific product offerings and software solutions. adesso participates in publicly funded research projects in various constellations.

About DigiPEP: Digital product development process for the design of TFP preforms. Digital platform and AI sub-project Mobility must be sustainable in the future. This is why ever lighter and resource-saving materials are being developed. Tailored textiles (TT) are a form of fibre-reinforced composite material. One of the most promising processes for producing TT is Tailored Fibre Placement (TFP), a variant of technical embroidery. The aim of the research project is to establish TFP technology. To this end, a system model is being developed to make the development of TFP components and the transfer of information between the various players more efficient. adesso is developing a data platform in the automotive sector that enables the exchange of various data formats across the process steps. In addition, artificial intelligence is used to digitally map the transformation of a 2D textile into a 3D component.

Adessoplatz 1  
44269 Dortmund  
North Rhine-Westphalia  
Germany  
[www.adesso.de](http://www.adesso.de)



### Organisation type

Large enterprises

### Sector



Others: IT-  
Dienstleistungsunternehmen /  
Softwareentwicklung

### Employees

500 and more

### Turnover

More than €50m

### Funding

## About this organisation

**Main areas covered** IT service provider / software

**Infrastructure**

**Certifications**

**Keywords**

**Memberships**

## Overview of lightweighting expertise

### Machine translation

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

	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Training, Consulting, Testing and trials, Funding, Prototyping, Validation, Simulation, Technology transfer, Maintenance and repair	✓	✓	✓

## Overview of lightweighting expertise

### Machine translation

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

	Research	Development	Manufacturing & Supply
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<b>Functional integration</b> Actuator technology, Sensor technology	✓	✓	
<b>Measuring and testing technology</b> Component and part analysis, System analysis, Environmental simulation, Non-destructive analysis	✓	✓	
<b>Modelling and simulation</b> Optimisation, Processes, Reliability validation	✓	✓	
<b>Plant construction &amp; automation</b> Automation technology, Robotics	✓	✓	✓
<i>Recycling technologies</i>			
<b>Manufacturing process</b>			
<b>Additive manufacturing</b> 3D printing	✓	✓	
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

Machine translation

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

Mr Jörg Fecke  
Marketing Manager  
[joerg.fecke@adesso.de](mailto:joerg.fecke@adesso.de)