

## About this organisation

### Machine translation

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

em engineering methods AG is an independent IT and consulting company for processes, methods and technologies in engineering. Methods and technologies in engineering, as well as a software and solution provider for engineering applications.

Development of systemic product development processes for the targeted realisation of lightweight construction potential and provision of digital frameworks for model-based systems engineering in lightweight construction. The widespread use of lightweight construction is hindered in many industries by a lack of holistic approaches to the targeted evaluation of lightweight construction in terms of costs, functionality or CO2 balance, for example. Due to a lack of systemic consideration of products in terms of lightweight construction, the potential for weight savings remains weight-saving potential remains unutilised. The provision of methods for the efficient systemic development of lightweight products and their implementation in a digital workflow is the service portfolio of :em AG. The aim and result of the solution is the design of an application-orientated and interdisciplinary framework for the design, development, optimisation and testing of digital twins of lightweight products. lightweight products.

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Hesse  
Germany  
[www.em.ag](http://www.em.ag)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

50 up to 249

### Turnover

€10m - €50m

### Funding



## em engineering methods AG

### About this organisation

<b>Main areas covered</b>	Method development, Process consulting, Strategic consulting, Software development
<b>Infrastructure</b>	CAD, CAE, CAM, MBSE
<b>Certifications</b>	ISO 9001
<b>Keywords</b>	Lightweight design methodology, Systems Engineering, Digital transformation, Industry 4.0, SyProLei
<b>Memberships</b>	acatech, GfSE, NAFEMS, VDI, VDMA

### Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Consulting, Technology transfer	✓	✓	
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction &amp; automation</i>			
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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Research   Development   **Manufacturing  
& Supply**

#### Manufacturing process

*Additive manufacturing*

*Coating (surface engineering)*

*Fibre composite technology*

*Forming*

*Joining*

*Material property alteration*

*Primary forming*

*Processing and separating*

*Textile technology*

#### Material

*Biogenic materials*

*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

Contacts

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

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