

AERTEC Solutions GmbH

About this organisation

AERTEC Solutions is an international engineering and consultancy specialized in aeronautics. It was founded in 1997 and today carries out activities in the aviation sector, the aeronautical industry and aerospace & defence systems. Our workforce is made up of over 600 professional aeronautics experts, with offices in Spain, UK, Germany, Colombia and the United States.

AERTEC Solutions designs aerospace systems for aircraft, unmanned aerial platforms and high dynamic vehicles, both for commercial and for military use. Our products include lightweight tactical RPAS vehicles, designed in-house with our own technology. These products include TARSIS 75 and TARSIS 25, for observation and surveillance missions. We are currently a Tier 1 supplier for Airbus Group for manufacturing engineering services and programme management for their commercial and military aircraft. We also participate in the world's largest aerospace programmes, such as the Beluga, the A380, the A350XWB, the A400M, A320 or A330MRTT, among others. Our project references cover more than 100 airports across 40 countries on five continents.

Hein-Sass-Weg 24
21129 Hamburg
Hamburg
Germany

www.aertecsolutions.com

Main areas covered Electrical Design, Systems Engineering, Data Management, Manufacturing Engineering, FEM (Stress, Damage Tolerance)

Infrastructure

Certifications

Keywords

Memberships



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

€2m - €10m

Funding

n/a

Overview of lightweighting expertise			
	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Software & databases, Systems and end products, Tools and moulds	✓	✓	✓
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Technology transfer, Approval	✓	✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight construction concepts	✓	✓	✓
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Materials analysis, Destructive analysis	✓	✓	✓
Modelling and simulation Loads & stress, Optimisation, Structural mechanics, Reliability validation		✓	✓
Plant construction & automation Plant construction, Automation technology	✓	✓	
<i>Recycling technologies</i>			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 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>			
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
Fibres Carbon fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Elastomers, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

Contacts

Mr Andreas Schramm

Head of Systems Engineering, Research & Development

aschramm@aertecsolutions.com