

About this organisation

MT Aerospace is a leading international aeronautic and aerospace company. More than 500 employees develop, manufacture and test components for institutional and commercial launch vehicle programmes, for aircraft, satellites and for applications in the automotive and defence industries.

Thanks to globally unique manufacturing technologies, MT Aerospace creates high-performance products that combine maximum performance with minimum weight. With many years of expertise in the fields of additive manufacturing, metalworking, CFRP and hydrogen technology, MT Aerospace is ideally positioned to provide sustainable solutions for the future.

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Organisation type

Large enterprises

Sectors



Others: Wasserstoff-Systemanwendungen in diversen Branchen im Aufbau; Additive Fertigung für Kunden aus unterschiedlichen Branchen

Employees

500 and more

Turnover

More than €50m

Funding

n/a



MT Aerospace AG

About this organisation

Main areas covered	Aerospace, Aeronautic, Hydrogen
Infrastructure	Automated fiber placement, Assembly, Chemical laboratory, Machining, Additive Manufacturing
Certifications	ISO 9001, EN 9100, DIN 2303, DIN EN ISO 3834-2, Manufacturing acc. to DE.21G.0048
Keywords	Hydrogen, H2
Memberships	Composites United, BDLI, bavAIRia, DGLR, IJF

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Systems and end products	✓	✓	✓
Services & consulting Consulting, Testing and trials, Funding, Engineering, Prototyping	✓	✓	✓

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
Functional integration Media conductivity, Sensor technology, Material functionalisation	✓	✓	✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	✓
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials, Reliability validation	✓	✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS), Others	✓	✓	✓
Coating (surface engineering) Painting, Others		✓	✓
Fibre composite technology Filament winding, Pre-preg processing, Others	✓	✓	✓
Forming Others		✓	✓
Joining Riveting, Screwing, Welding		✓	✓
Material property alteration Heat treatment		✓	✓
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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

Contacts

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