MT Aerospace AG

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.

Franz-Josef-Strauß-Straße 5
86153 Augsburg
Bavaria
Germany
www.mt-aerospace.de

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	✓	✓	✓

MT Aerospace AG

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	✓	✓	✓
Plant construction & automation			
Recycling technologies			

MT Aerospace AG

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		✓	✓
Primary forming			
Processing and separating			
Textile technology			

MT Aerospace AG

Overview of lightweighting expertise

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

Contacts

Mr Bastian Knierim, MBA	Mr Jürgen Möller *Senior Innovation Manager*
bastian.knierim@mt-aerospace.de	juergen.moeller@mt-aerospace.de