FTT Deutschland GmbH

About this organisation

FTTD provides engineering services for development, production and distribution for components in the fields of aerospace and power generation.

FTTD has experiences in design and analysis for product definition and inspection of light-weight components. Several technologies such as 3D printing with metal alloys and plastics as well as composites are used for light-weight applications.

Ludwig-Witthöft-Str. 14
15745 Wildau
Brandenburg
Germany
www.fttgmbh.de

Organisation type
Small or medium-sized enterprise

Sector

Employees
10 up to 49

Turnover
€2m - €10m

Funding

Main areas covered	aerospace/tubomachinery components
Infrastructure	SIR inspection test bed, flow test bed
Certifications	ISO 9001, AS 9100
Keywords	
Memberships	

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components	✓	✓	
Services & consulting Engineering, Prototyping, Simulation	✓	✓	

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Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight design	✓	✓	
Functional integration			
Measuring and testing technology Visual analysis (e.g. microscopy, metallography), Non-destructive analysis	✓	✓	
Modelling and simulation Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Structural mechanics, Reliability validation	✓	✓	
Plant construction & automation			
Recycling technologies			

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Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Fused deposition modeling, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS)	✓	✓	
Coating (surface engineering) Painting, Plasma process, Powder coating		✓	
Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing		✓	
Forming			
Joining Adhesive bonding, Soldering, Riveting, Screwing, Welding		✓	
Material property alteration			
Primary forming			
Processing and separating			
Textile technology Fibre manufacturing		✓	

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Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites Aramid fibre composites, Laminates		✓	
Fibres Aramid fibres, Carbon fibres		✓	
Functional materials			
Metals Aluminium, Steel, Titanium, Others (Inconel alloys)	✓	✓	
Plastics Elastomers, Thermoplastics, Others (Duroplastics)		✓	✓
Structural ceramics			
(Technical) textiles			

Contacts

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