

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 | ✓ | ✓ | |

Overview of lightweighting expertise

| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|---------------------------|
| Field of technology | | | |
| Design & layout Lightweight design | ✓ | ✓ | |
| <i>Functional integration</i> | | | |
| 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 | ✓ | ✓ | |
| <i>Plant construction & automation</i> | | | |
| <i>Recycling technologies</i> | | | |

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 | | ✓ | |
| <i>Forming</i> | | | |
| Joining Adhesive bonding, Soldering, Riveting, Screwing, Welding | | ✓ | |
| <i>Material property alteration</i> | | | |
| <i>Primary forming</i> | | | |
| <i>Processing and separating</i> | | | |
| Textile technology Fibre manufacturing | | ✓ | |

Overview of lightweighting expertise

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

Contacts

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