Boeing Deutschland GmbH

Boeing Research & Technology

About this organisation

Boeing is a strong contributor to the German economy with 1000 employees at 12 locations throughout Germany and sustains many thousands additional jobs in Germany through its supply chain and other activities. Boeing and its supply-chain partners spend almost $1.3 billion a year with its established network of suppliers located across Germany. Boeing works together with many more sub-tier and German-owned suppliers worldwide.

Germany is a key market for Boeing to invest in research and technology partnerships. Boeing has established two research sites in Germany, the Research & Technology Office in Munich and the Digital Solutions & Analytics Lab Frankfurt and invests in a growing portfolio of research and technology projects with German industry, universities and research organizations.

Lennéstraße 9
10785 Berlin
Berlin
Germany
www.boeing.de

Organisation type
Large enterprises

Sector

Employees
500 and more

Turnover
More than €50m

Funding

Main areas covered	lightweight design and simulation
Infrastructure	
Certifications	
Keywords	simulation, CFRP, aircraft, manufacturing, aircraft operation efficiency
Memberships	BavAIRia e.V.

Boeing Deutschland GmbH

Boeing Research & Technology

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Software & databases	✓	✓	
Services & consulting			
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	
Functional integration Material functionalisation	✓	✓	
Measuring and testing technology Component and part analysis, Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	
Modelling and simulation Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Structural mechanics, Materials	✓	✓	
Plant construction & automation Automation technology, Handling technology, Robotics	✓	✓	
Recycling technologies			

Boeing Deutschland GmbH

Boeing Research & Technology

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding, Electron beam melting, Fused deposition modeling, Selective laser melting (SLM, LPBF, ...)	✓	✓	
Coating (surface engineering)			
Fibre composite technology Filament winding, Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion	✓	✓	
Forming Compression moulding	✓	✓	
Joining Hybrid joining, Adhesive bonding, Riveting, Screwing	✓	✓	
Material property alteration			
Primary forming Injection moulding	✓	✓	
Processing and separating Drilling	✓	✓	
Textile technology Braiding, Preforming	✓	✓	

Boeing Deutschland GmbH

Boeing Research & Technology

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials) Closed-pore, Open-pore	✓	✓	
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Laminates	✓	✓	
Fibres Glass fibres, Carbon fibres	✓	✓	
Functional materials			
Metals Aluminium, Steel, Titanium	✓	✓	
Plastics Thermoset plastics, Thermoplastics	✓	✓	
Structural ceramics			
(Technical) textiles Woven fabrics	✓	✓	

Contacts

Mr Daniel Moszynski

Kommunikation

daniel.moszynski@boeing.com