

Baltec Offshore GmbH

GmbH

About this organisation

BALTEC Offshore GmbH is a company for engineering services, primarily in shipbuilding and mechanical engineering. To realise our projects, we work together with the shipyards and manufacturers that are suitable for the size of the project.

The company specialises in the design and engineering of lightweight ships made of composite sandwich materials.

Frankenkrogweg 13
23570 Lübeck
Schleswig-Holstein
Germany
www.baltec.de



Organisation type

Small or medium-sized enterprise

Sector



Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

Main areas covered

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise			
	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components	✓	✓	
Services & consulting Consulting, Testing and trials, Engineering, Simulation, Technology transfer	✓	✓	
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	
Functional integration Material functionalisation	✓	✓	
<i>Measuring and testing technology</i>			
Modelling and simulation Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Structural mechanics, Materials, Reliability validation	✓	✓	
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology			
Pre-preg processing	✓	✓	
<i>Forming</i>			
Joining			
Adhesive bonding		✓	
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites			
Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Laminates	✓	✓	
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
Plastics			
Thermoset plastics		✓	
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

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Contacts

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