

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

IABG offers integrated, innovative solutions in the following sectors: Automotive - InfoCom - Mobility & Energy - Environment & Geodata Services - Aviation - Aerospace - Defence & Security. We advise independently and competently. We realise future-proof and targeted solutions. We operate reliably and sustainably. We support you independently and neutrally - from the development to the validation of your complex product.

- Engineering and method development - Analysis, simulation and virtual testing - Testing and operational stability - Design and realisation of test benches - Material testing and damage analyses Get in touch with us. Our interdisciplinary teams of experts and our accredited test laboratory are at your side as partners.

Einsteinstraße 20
85521 Ottobrunn
Bavaria
Germany

www.iabg.de/leistungen/pruefdienstleistungen/composites-verbundwerkstoffe-und-kunststoffe

Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a



Main areas covered

Test systems, methods, analyses

Infrastructure

Lightweight construction test centre

Certifications

ISO 9001, DIN EN 150/IEC 17025:2018

Keywords

Material testing, simulation

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Consulting, Testing and trials, Engineering, Validation, Simulation, Approval	✓	✓	
Field of technology			
Design & layout Lightweight design, Hybrid structures, Lightweight material construction, Others (Simulation-based product optimisation, fatigue strength assessment)	✓	✓	
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis, Others (Development and realisation of special test benches)	✓	✓	✓
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Structural mechanics, Materials, Reliability validation	✓	✓	
Plant construction & automation Others (Special test benches)	✓	✓	
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing Others (Powder characterisation process PowderGenetics®)	✓		
Coating (surface engineering) Others (Material qualification, quality assurance)		✓	
Fibre composite technology Others (Material qualification, quality assurance)		✓	
Forming Others (Material qualification, quality assurance)		✓	
Joining Others (Material qualification, quality assurance)		✓	
<i>Material property alteration</i>			
Primary forming Others (Material qualification, quality assurance)		✓	
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise**Machine translation**

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Laminates	✓	✓	
Fibres Aramid fibres, Glass fibres, Carbon fibres	✓	✓	
<i>Functional materials</i>			
Metals Aluminium, Steel, Titanium	✓	✓	
Plastics Elastomers	✓		
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts**Machine translation**

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IABG mbH

Industrieanlagen - Betriebsgesellschaft mbH

Contacts

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