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Quality made in Germany



For more than 20 years we have been successfully transforming special demands into reliable, well thought-out composite solutions, whether these be superyacht tenders, large composite structures or bespoke special service craft.

We believe in high tech, not for its own sake but as the way to deliver the best possible solutions. If bespoke technology is required, we have the means and the capacity to develop and deliver – as we have done many times in the past.

We will listen to you carefully and you will have the full advantage of our broad expertise in development, engineering and construction – and the connections between them.

We offer in-house realization of custom projects from scratch to finished product.

One of our greatest strengths is our size and flexibility, as reality often demands quick decisions rather than lengthy consultations between departments.

Looking forward to hearing from you



Jan Meyer



Quality made in Germany

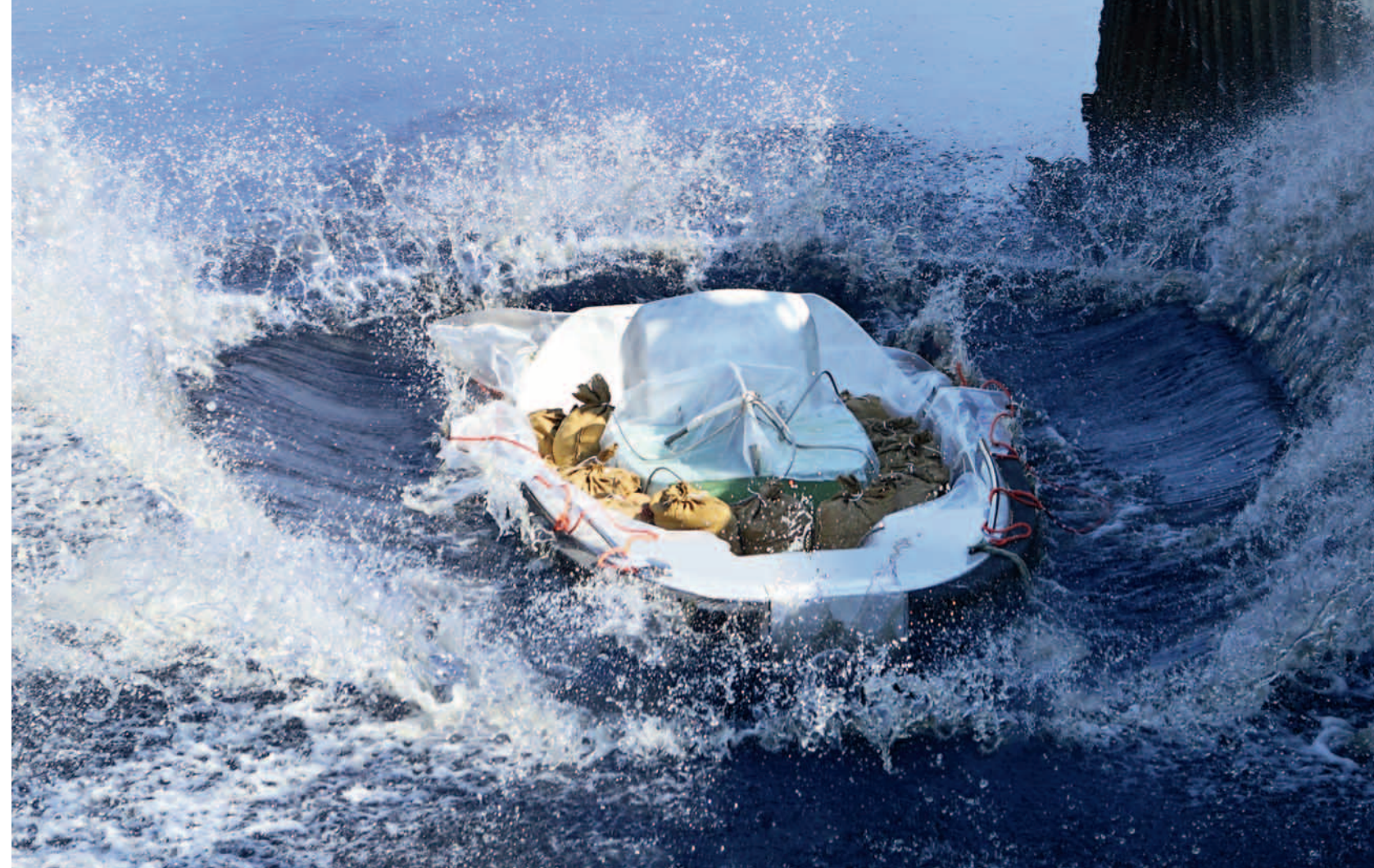
Special Operation Craft | Composite | Super Yachting

Craft to rely on

#### Fit for purpose

Our motivation is to serve the crews that have to rely on our craft. Combining development, engineering and construction enables us to create well thought-out and reliable craft.

Practicality, safety and simplicity are our focus in creating bespoke solutions to serve the functional requirements.



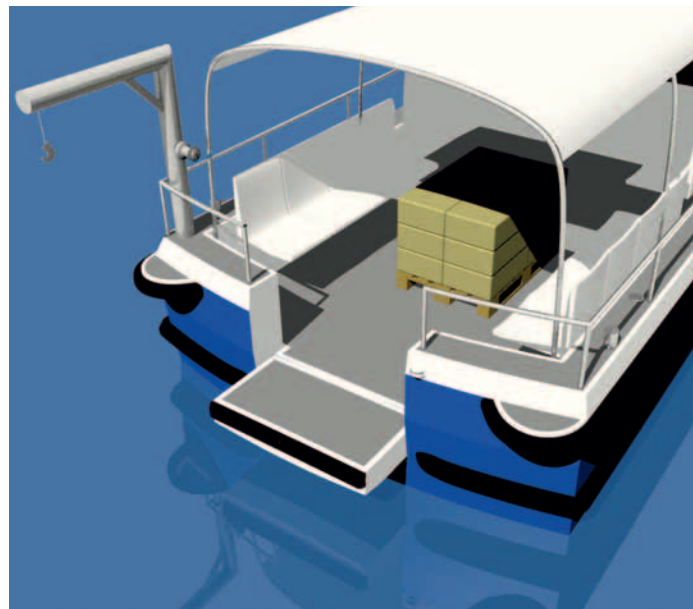




### Bespoke high speed craft

Universal design of variable length and modular deck layout. Easy to manoeuvre and lively when required. Be protected with our ballistic protection system **proteccore®** and remain nearly invisible with a low radar signature and our electro-magnetic shielding system based on CRP.

Craft to rely on



### Modular work boats

Tailored to suit your individual needs. Modular, multi purpose, heavy duty work boats. Built for reliability in everyday use, keeping your crew safe.



### Special Operation Craft

Ready for purpose, anytime, anywhere: Your vessel will be developed, designed, engineered and built according to Germanischer Lloyd High Speed Rules. Save weight. Your vessel will be extremely lightweight, as it will be built in carbon. Ancillary features could be our ballistic protection **proteccore®**, multiple lashing points on deck, self-righting system, reduced radar signature, EMC or sequenced remote painter and lifting hook release.



#### Service & Refit

Structural damage? Paint job? Major refit? We can accommodate vessels up to 120 tonnes in our heated halls. If you need support on site we can help you with our worldwide service. Spare parts? Having built your craft in our yard, we know all about it. One call, one quick answer.

On-site competences



#### Research & Testing

In-house mechanical test laboratory, full-scale FEA validation testing, fire resistant composites, ballistic protection technology with our proteccore® system.



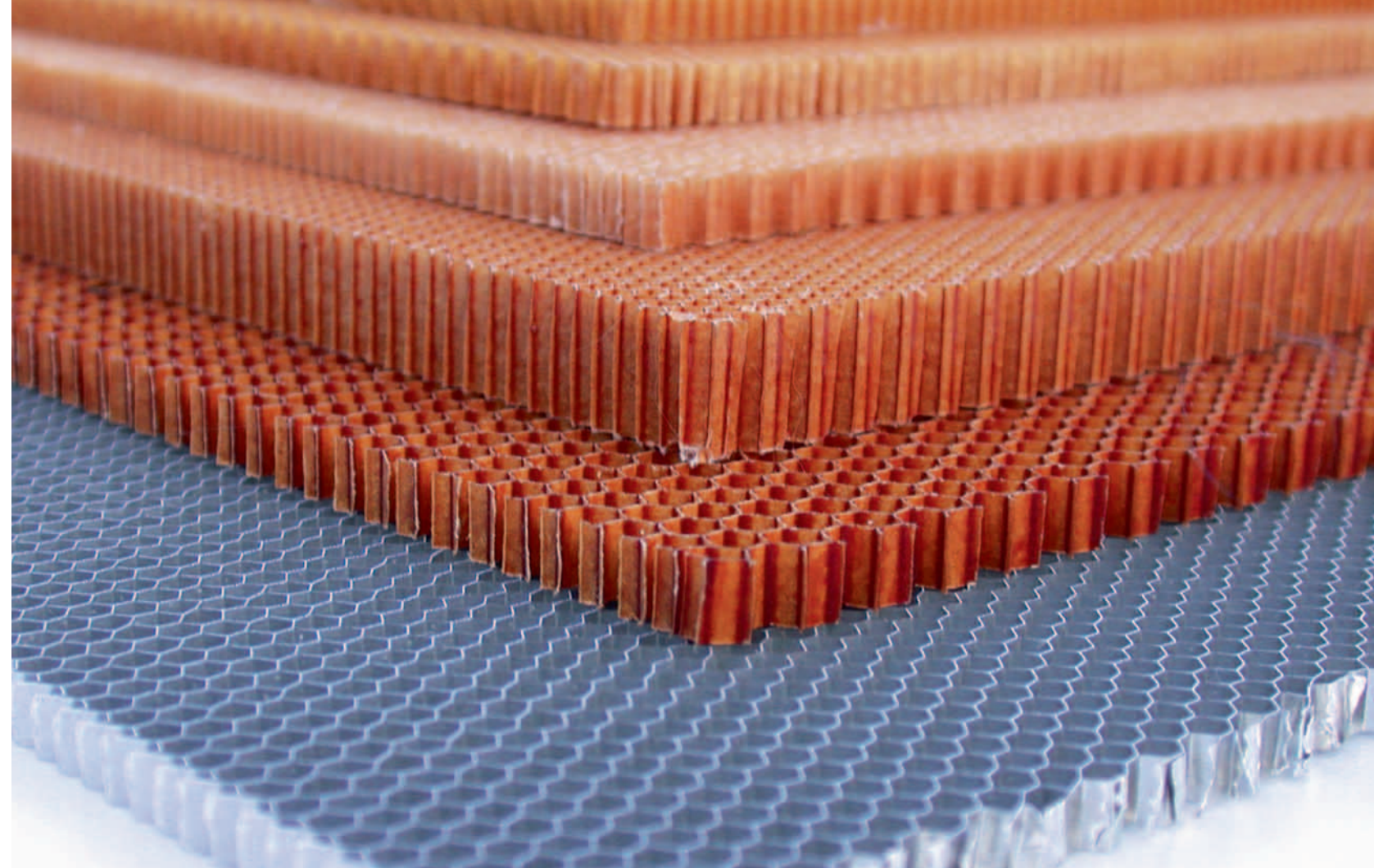
#### Naval Architecture & Engineering

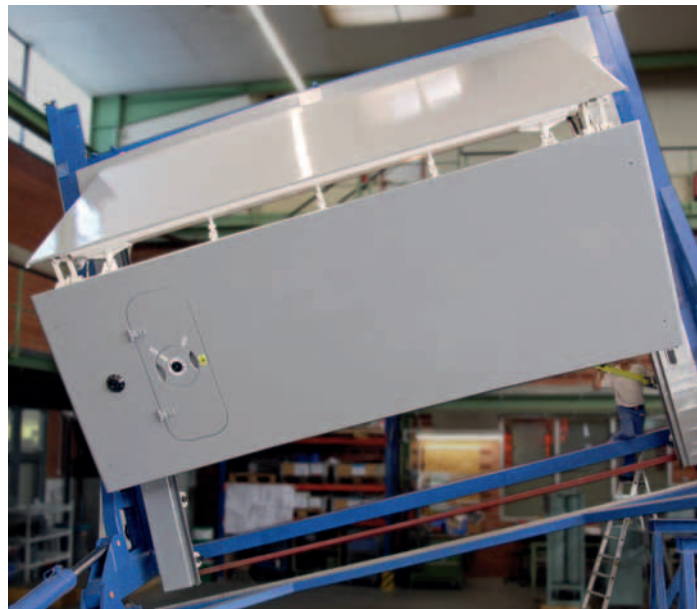
Layout, hull shape, structures, regulations, ergonomics, instrumentation, detailing, equipment, safety – and much more besides. We design using parametric 3D modelling software that allows a comprehensive preview of the project and quick and flexible adjustment of geometries during development.



#### **Fibres – following form and function**

Traditional boat builders know that a frame derives its strength from the direction of the fibres, just as a tree's strength comes from the grain of the wood. Fibre composite technology allows us to allocate mechanical properties precisely by using carefully selected fibres, cores and bonding matrices. We offer composite engineering and construction at its best when you are looking for precise geometries, weight savings, ballistic protection, fire protection and carbon heating technology.





### High-tech on a large scale

The lighter the better, like this naval helicopter hangar door. 60 percent weight reduction. Blast and green water loads protection: solved.



### Light and shock-proof

Together with our on-site partners fibretech composites GmbH we have developed and built extremely light yet shock-proof naval command consoles, furniture and other equipment.



### Test series

Refinement for more efficient series productions: wind turbine winglet with lightning receptor. Built with our patented integrated carbon fibre reinforced polymer (CFRP) mould heating system fibretemp®. This offers a high cycle time due to fast heating rates, different heating zones and dimensional stability with no heat distortion, no heat warping.

Construction

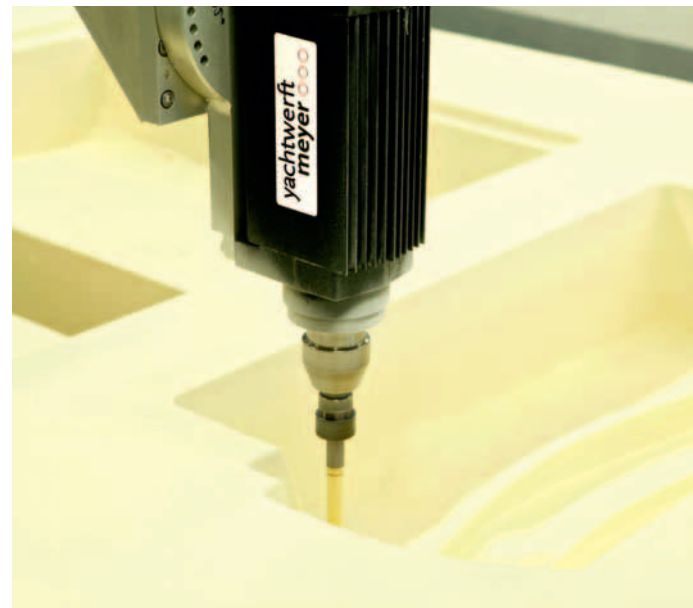
Composite





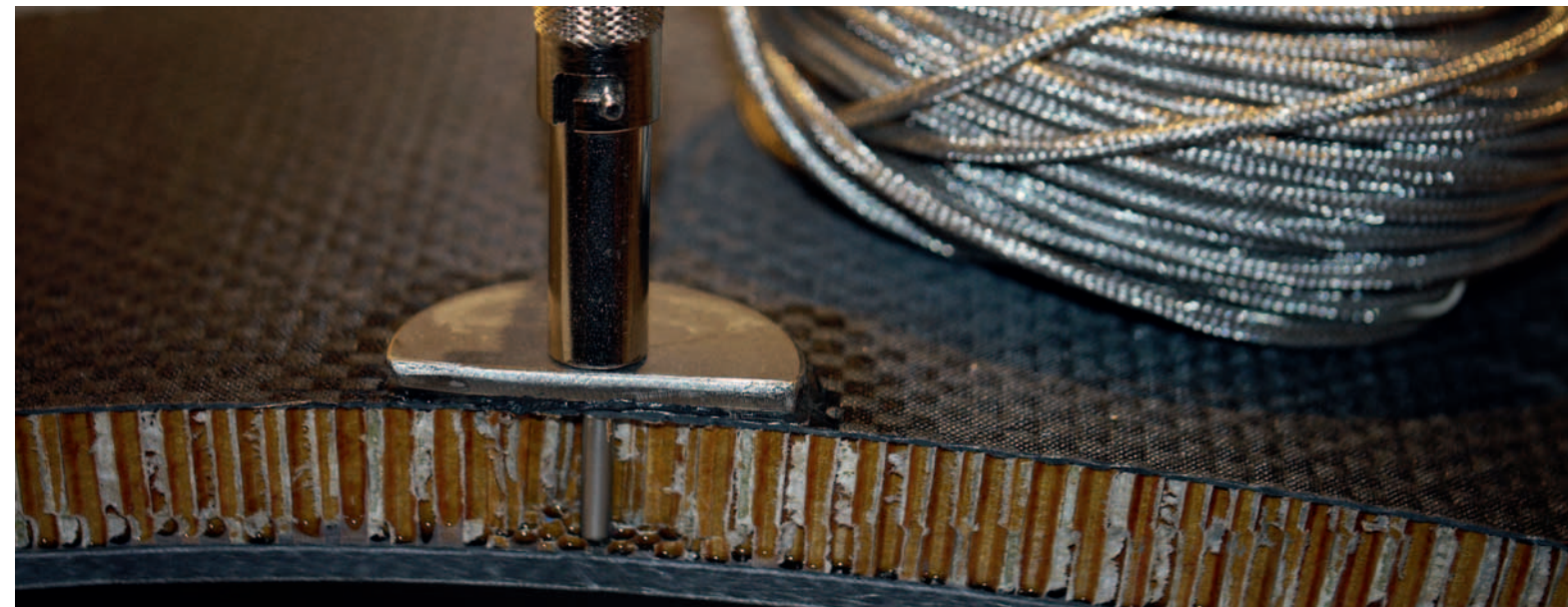
### Winning technology

Winner of JEC Award in Paris  
FEE Innovation Award in Berlin for our patented carbon heating technology fibretemp®.  
A combination of craftsmanship and high technology.



### One-off tooling

The meticulous link between CAD and reality:  
Our in-house 5-axis milling centre provides fast and flexible high-precision mould generation.



### Get the decisive advantage with our patented technology fibretemp®

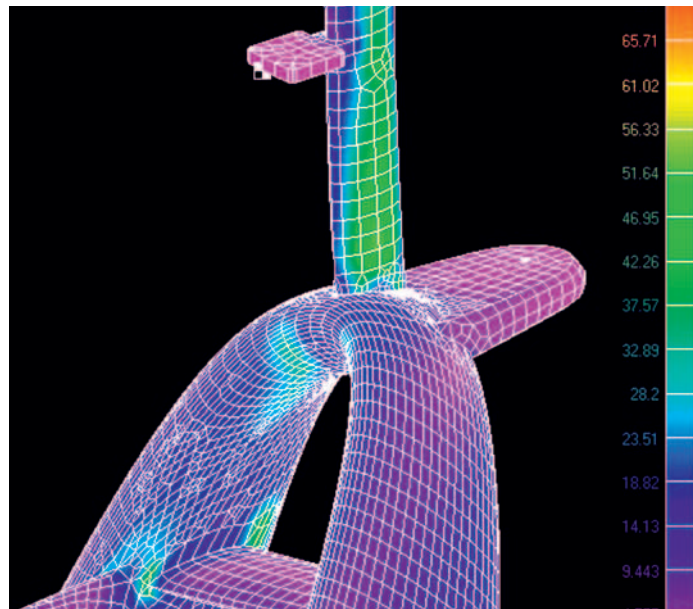
Our customers from aerospace, automotive, marine and renewable industry have already experienced the outstanding advantages of our patented innovative mould construction system fibretemp®.  
Two in one: Integration of the carbon resistance heating into the mould structure. Controlled heating zones exactly where you need them!

Achieve the highest dimensional stability for nearly every size of mould - no heat distortion, no heat warping, ultra-light due to carbon fibre reinforced polymer (CFRP) sandwich construction and super fast cycling times due to less overall heating of material. Save up to 90 percent energy compared to external heating.



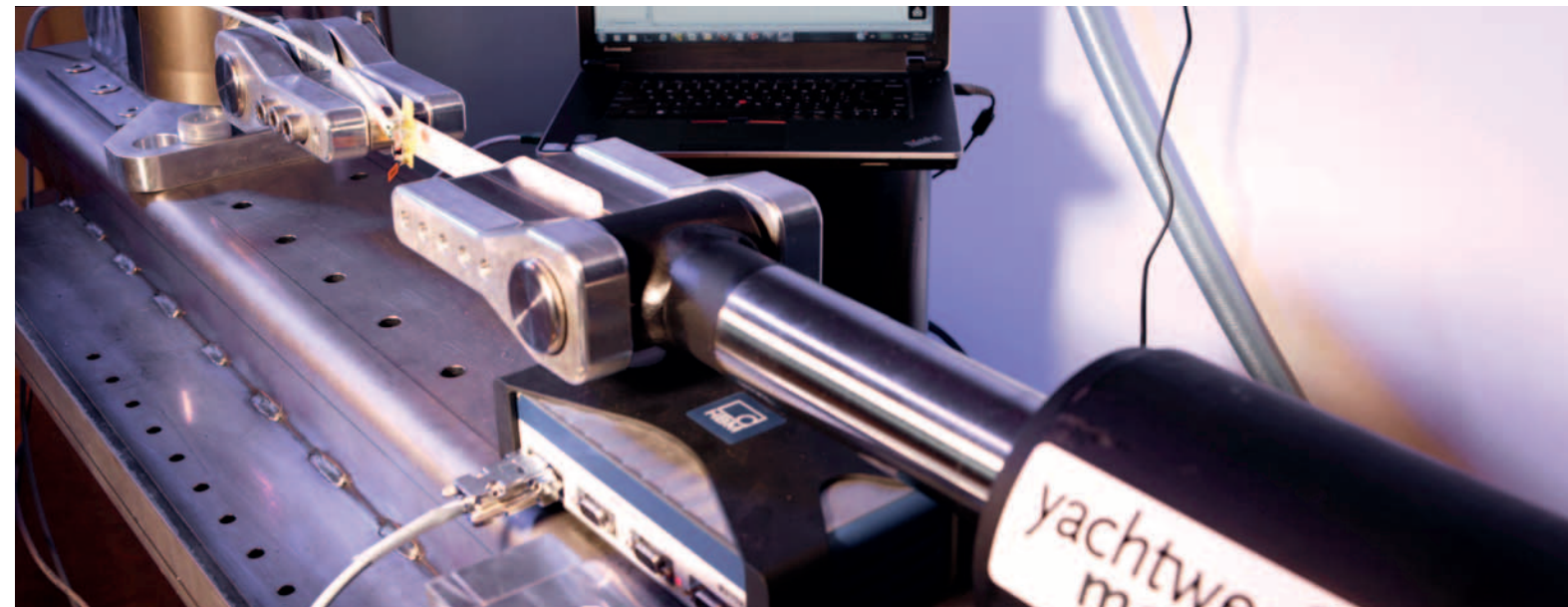
### Composite engineering

Location, orientation, fibre mix, bonding matrix, sandwich core, production method. Bearing in mind that the end result must be realizable.



### Analysis

Real weight saving is proportional to understanding of load paths. Here the Finite Element Method (FEM) is the key. 3D modelling, simulation of structures, drastic weight reductions of up to at least 60 percent. You can be sure that stiffness and strength will not be a problem.



### Research & Testing

In-house mechanical test laboratory for DSC analysis, full-scale engineering validation and development of bespoke material compositions. We don't guess – we find out for you.



Luxury made in Germany

**Pleasure. Craft. Experts.**

Intuitive functionality, delicate features,  
accessibility and durable value cast in  
invisible robustness and elegant lines.  
We make sure you get what you need.





#### **Pool Arrangements**

With our experience of building custom pool arrangements we are able to create perfect solutions for your extraordinary concepts.



#### **Equipment**

Enhance onboard style and functionality. We develop and fabricate bespoke equipment solutions for your demands.



#### **Tenders**

Fine limousines, multifunctional sports tenders, spacious owner's launches, bespoke rescue tenders. Semi or fully custom made.

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Luxury made in Germany





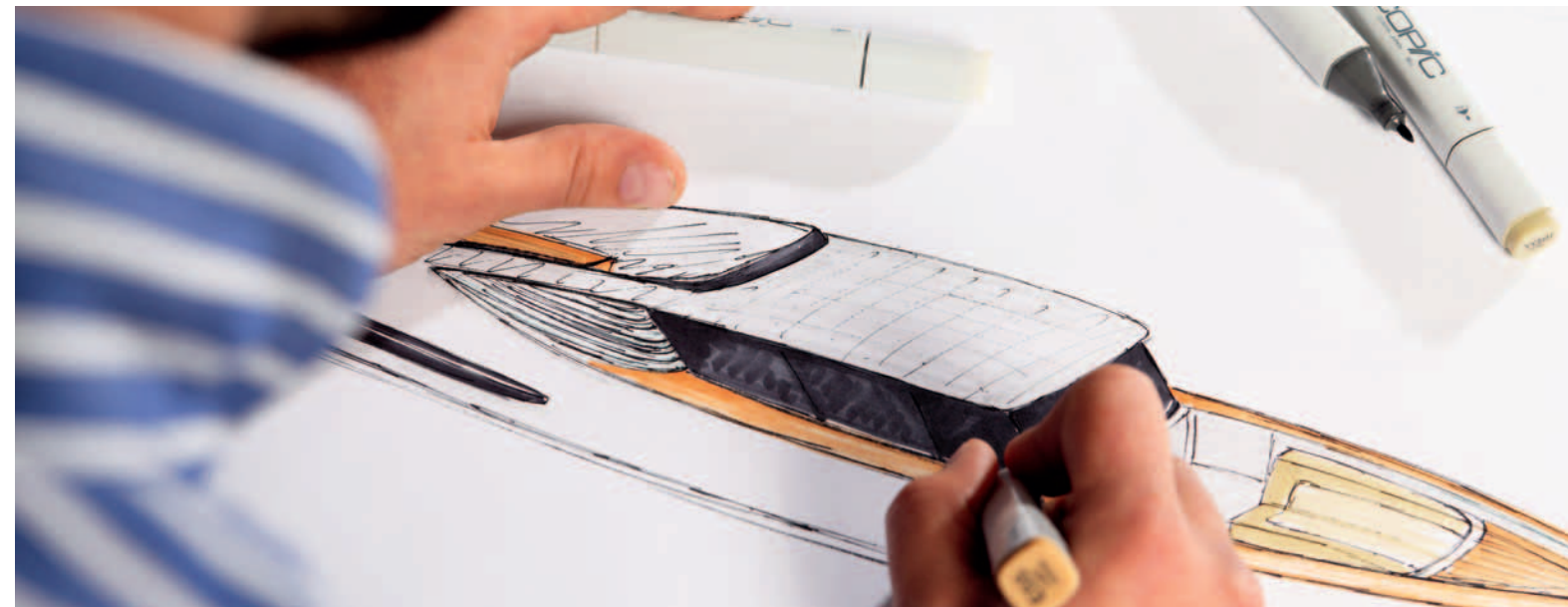
#### Research & Testing

Structures beyond strength. An example: Our attention to laminate stiffness and resonance in respect of noise and vibration transmission in tenders has set new benchmarks in guest comfort.



#### Service & Refit

We provide our customers with individual, world-wide support to establish a long-term relationship. Technical support, repair, refit and the delivery of spares are all part of our mobile service.



#### Naval Architecture

It takes more than 3D modelling and computational engineering to design and engineer a tender. That is why we undertake this in-house, in close cooperation with our clients.

On-site competences



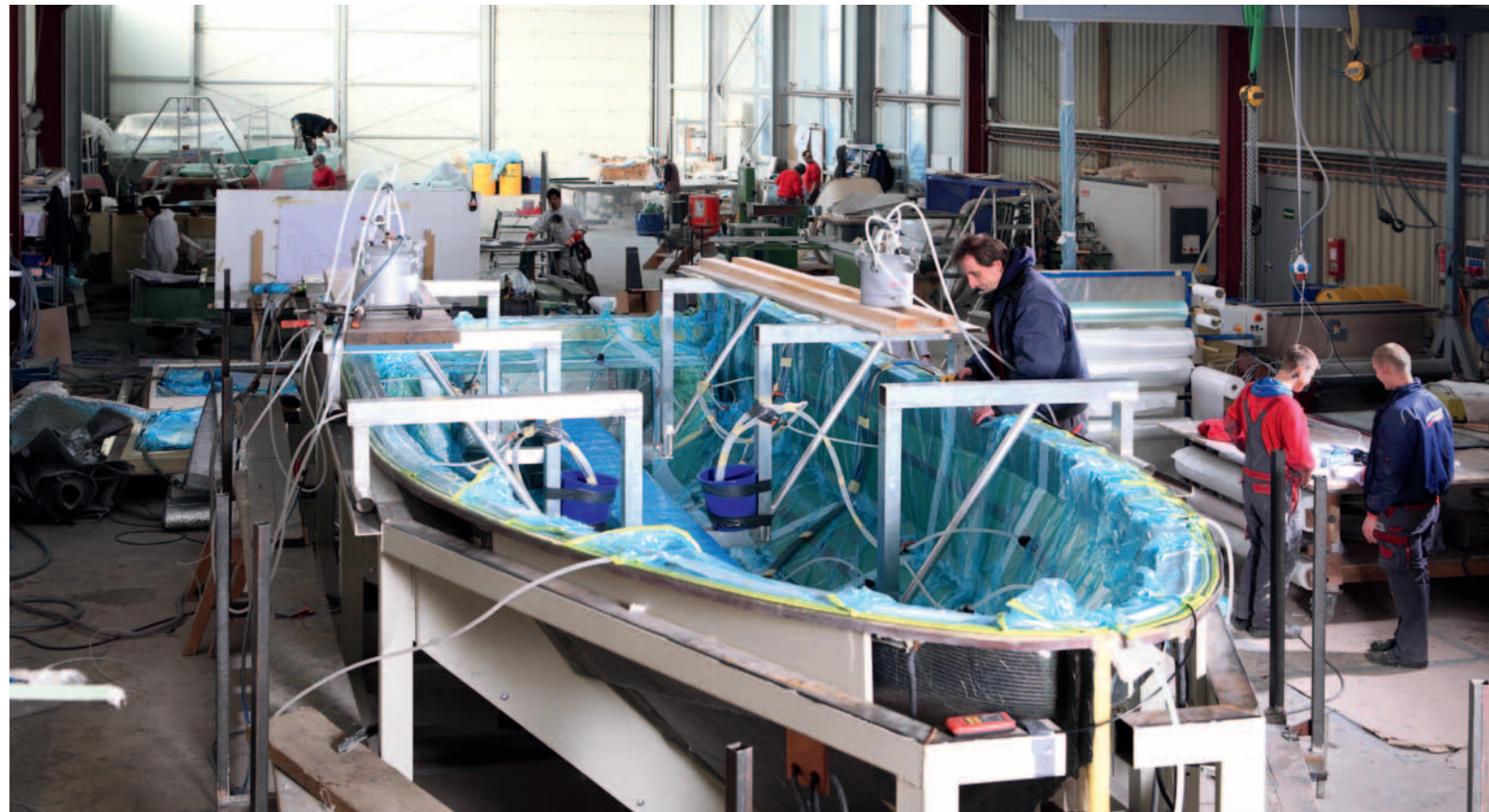
### Bundled competences

Our comprehensive expertise in every aspect from design and engineering to construction and finish in-house makes all the difference. Our ability to put our heads together in situ, the close communication between our "think tank" and the shop floor and our company's wealth of experience not only saves time and money but also provides a sound basis for innovative problem solving.

From day one there has been an impressive diversity of projects at Yachtwerft Meyer. A tour around our facilities has persuaded many customers of our merits. Be our guest: pay us a visit and see what's going on.







The Yard

Workshop

- Abeking & Rasmussen Shipyard
  - Airbus
  - Akrus Medical Technologies
  - ALJO Aluminium Engineering
  - AMELS
  - Blohm+Voss Shipyards GmbH
  - BMW
  - Burgess Yacht Management
  - Edmiston & Company
  - Enercon
  - Eurocopter
- Feadship
  - Federal Office of Military Technology and Procurement
  - Federal Police Force
  - Federal Waterways and Shipping Offices
  - German Customs Authorities
  - German Navy
  - German Water Police
  - Hamburg Naval Research Institute
  - Heesen Yachts
  - Hill Robinson Management
  - Icon Yachts
- IMPERIAL Management
  - Lufthansa Technik
  - Lürssen
  - Oceanco
  - Ocean Independent Management
  - Potsdam Naval Research Institute
  - Rheinmetall Defence
  - Spirit Aero Systems
  - STN Atlas Elektronik
  - Thyssen Nordseewerke
  - Y.CO Yacht Management

Selected References

Workshop approval



Germanischer Lloyd







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