

Your Partner for Lightweight Engineering and Technologies

Research Division Polymeric Materials and Composites PYCO

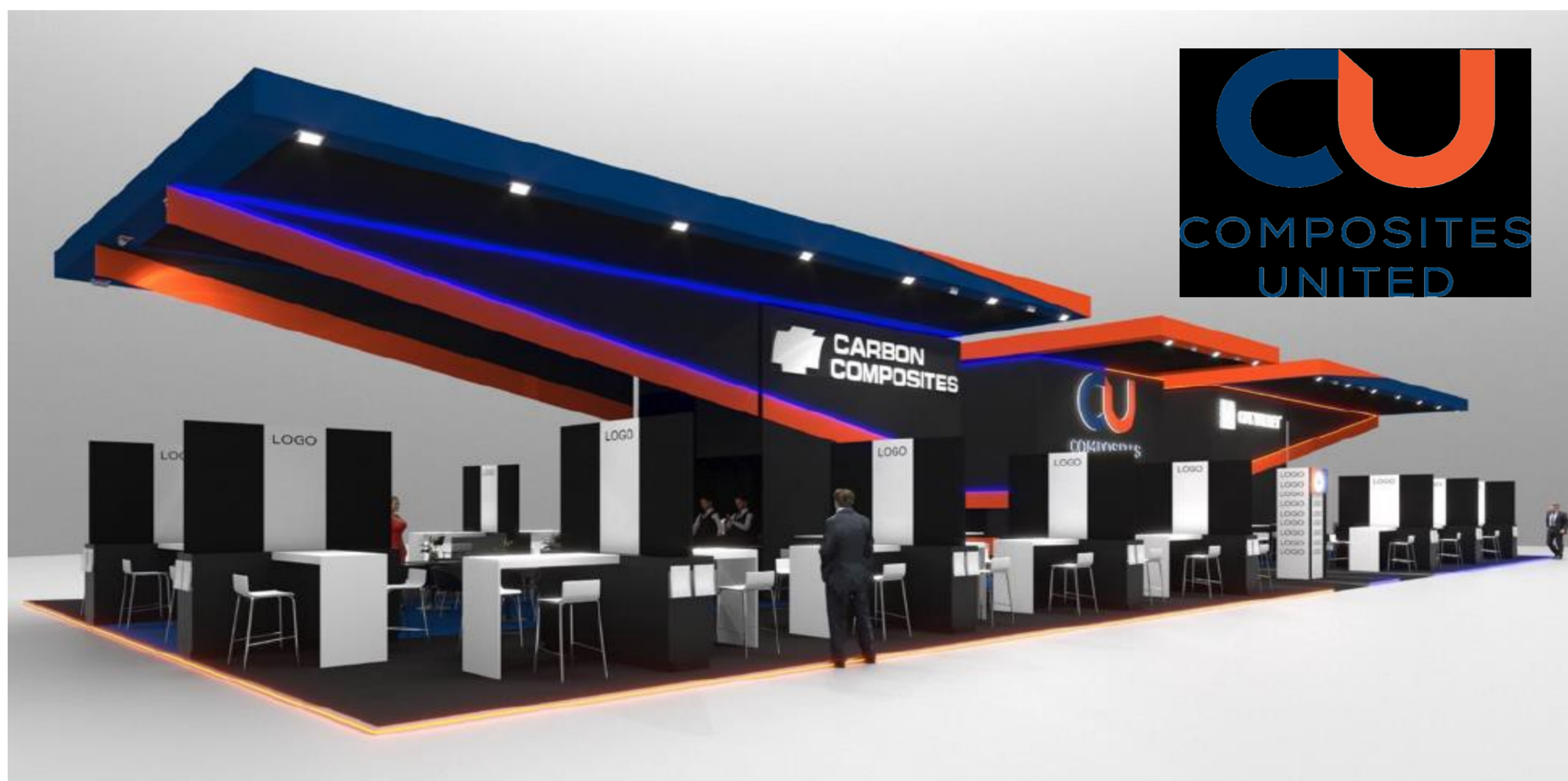
Univ.-Prof. Dr.-Ing. Holger Seidlitz



Fraunhofer Institute for Applied Polymer Research IAP

JEC WORLD
2022 The Leading International Composites Show
May 3-5, 2022 | PARIS-NORD VILLEPINTE

Visit us at the Composites United Booth Hall 6, F+G 85



Booth of Composites United e.V. hall 6, F+G 85

Exhibit Overview

We are happy to welcome you at the JEC World 2022 in Paris. We look forward to welcoming you at the booth of *Composites United* in hall 6, F+G 85. Let us chat in person – finally again!

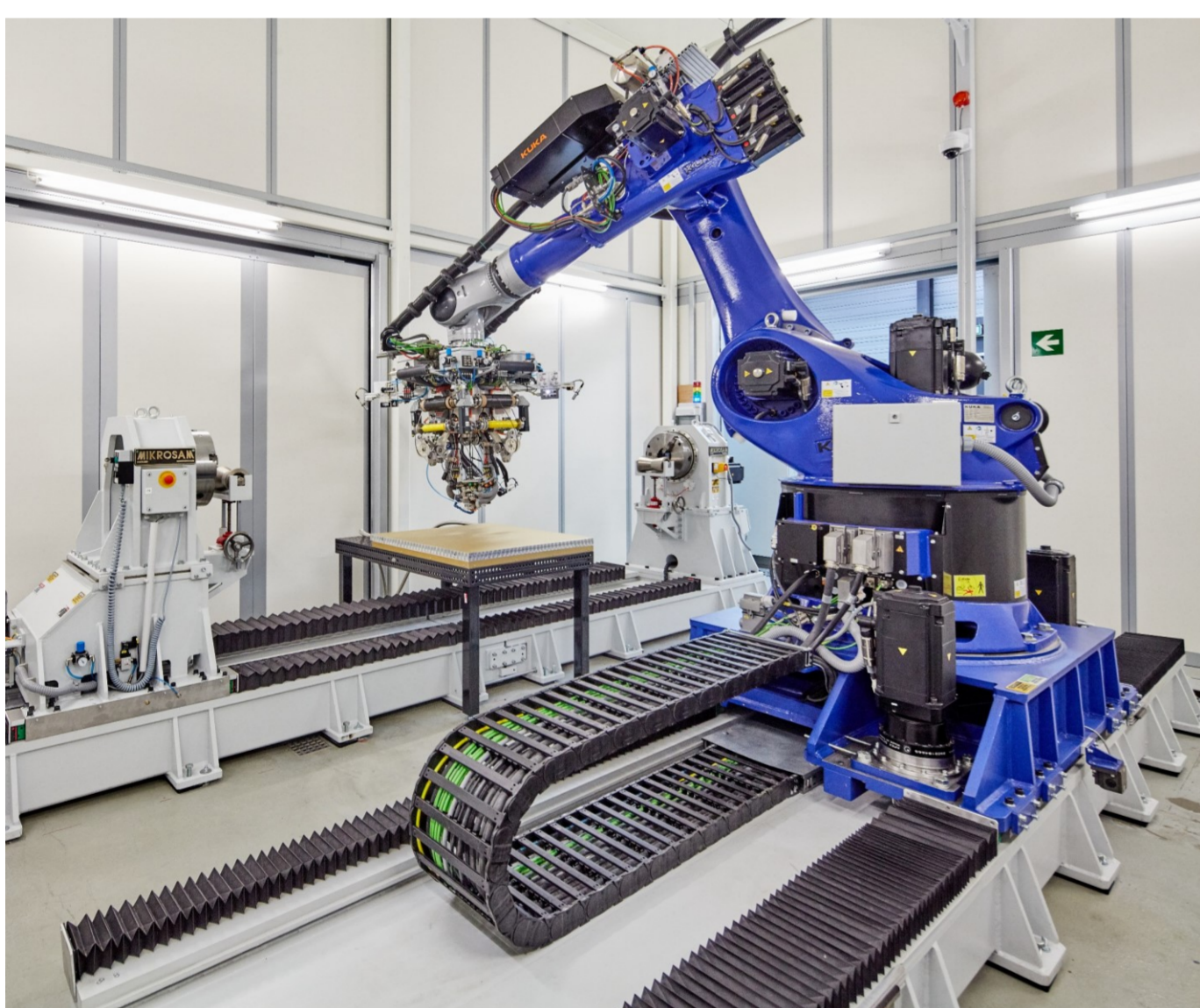
Have a look on our overview to get a first impression of our research activities from monomer to components and what you can expect to see at our booth:

Research Focus with Value Chain Thinking

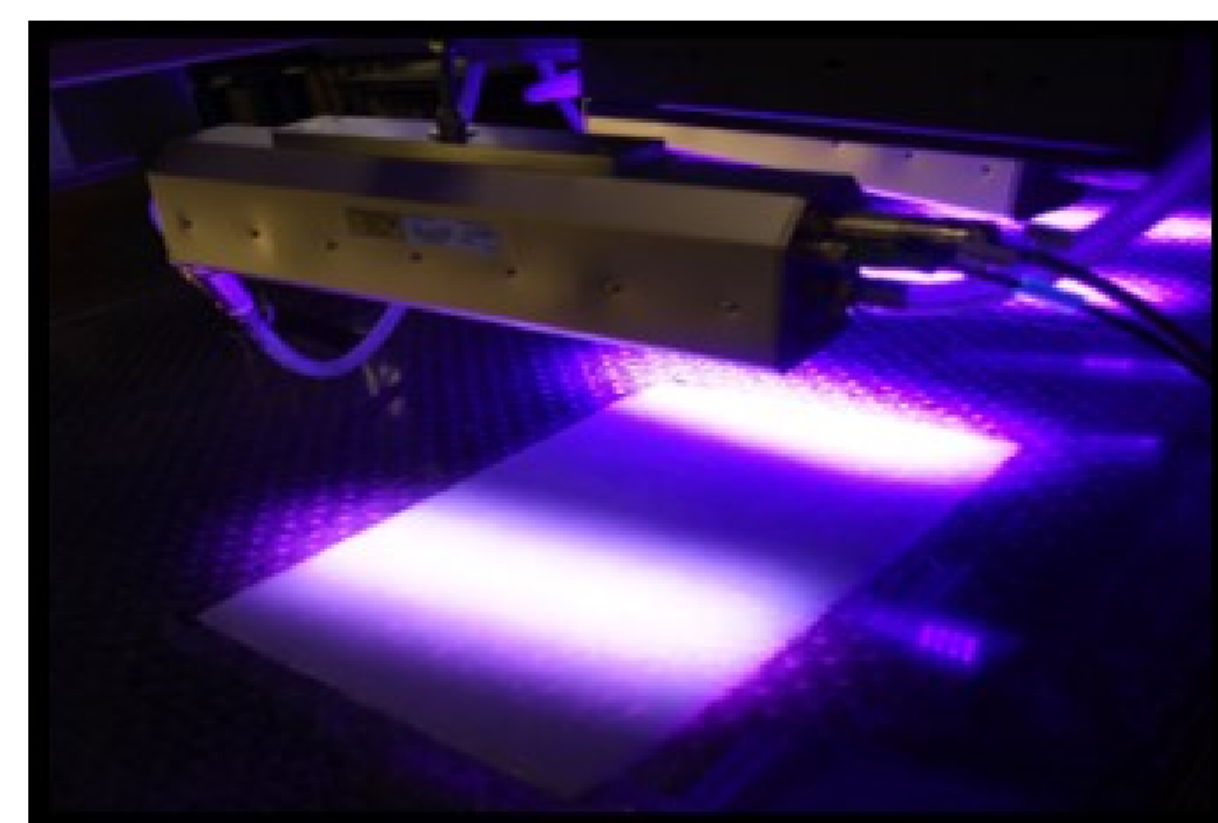
- Polymer development
- Tailored Materials: Resin formulations and chemical analytics
- Alternative hardening methods: UV LED systems and mercury-vapor lamps
- Semi-finished components: Pilot impregnation plants for tailored prepregs
- Processing: Injection molding (3C), RTM, autoclave, pressing, VARI, large scale additive manufacturing, printed electronics
- Design, simulation and manufacturing technologies
- Testing and characterization: NDT, mechanical, fire, reliability
- Recycling and repair

Expertise of PYCO

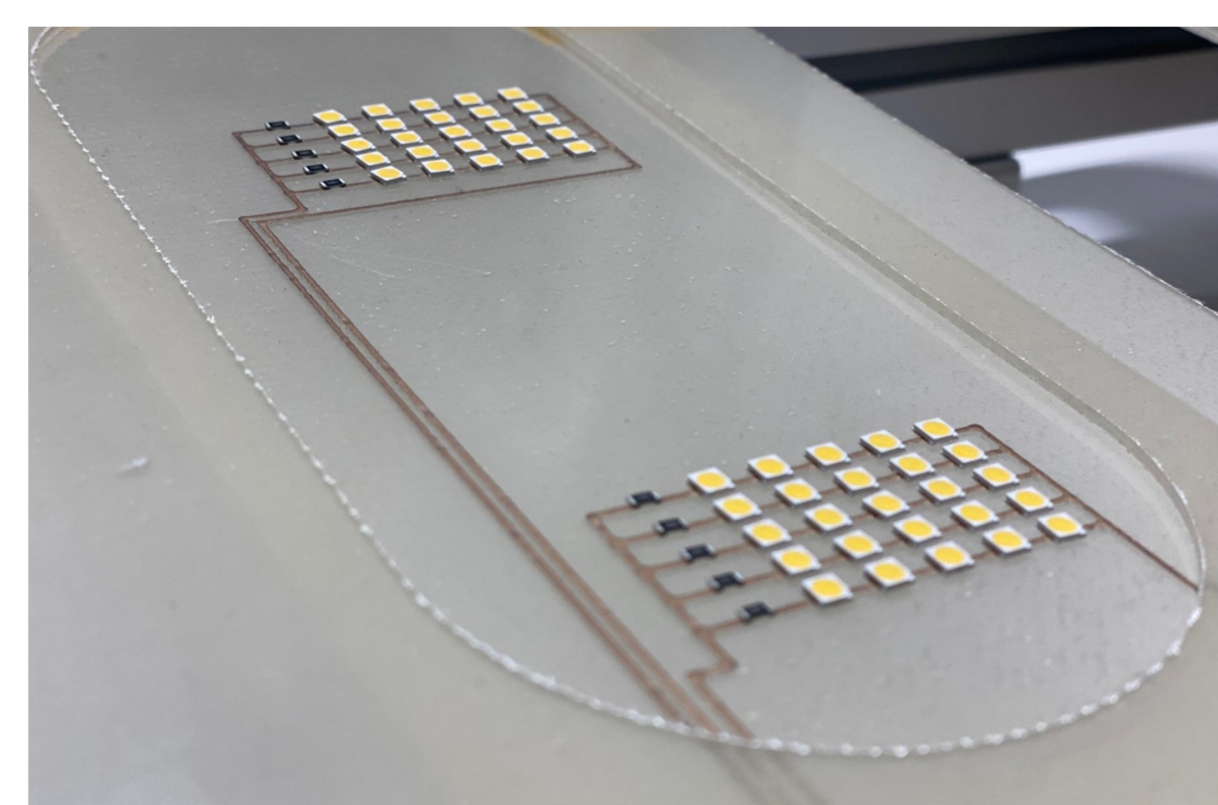
- Digitalization – AI of material- and component development
- Structural health monitoring with sensor integration and printed electronics
- Storage of hydrogen
- Sustainable lightweight engineering | ZenaLeb
- Industry- and application-oriented research projects
- Consulting, studies and expert reports



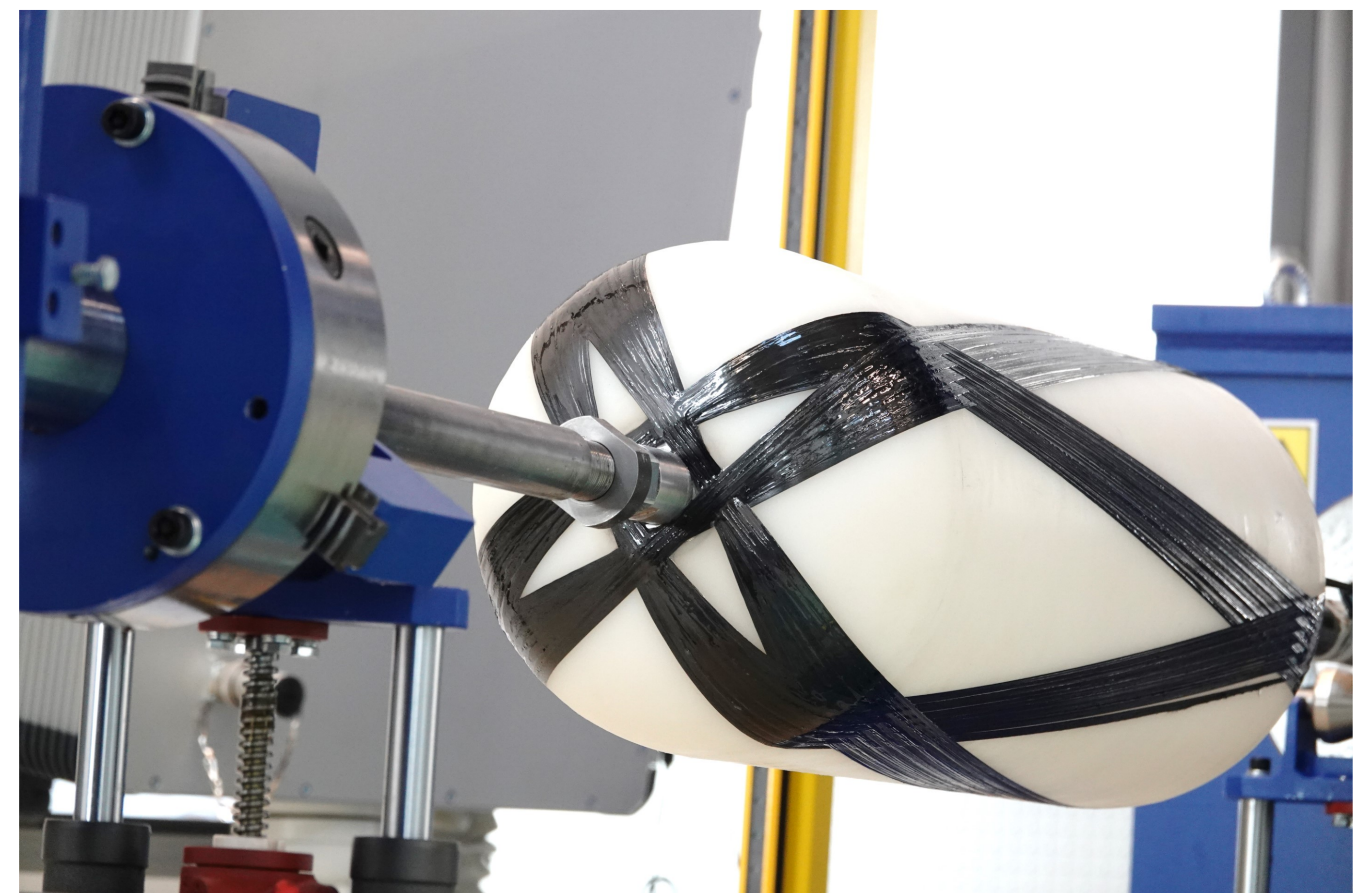
Automated Fiber Placement complex



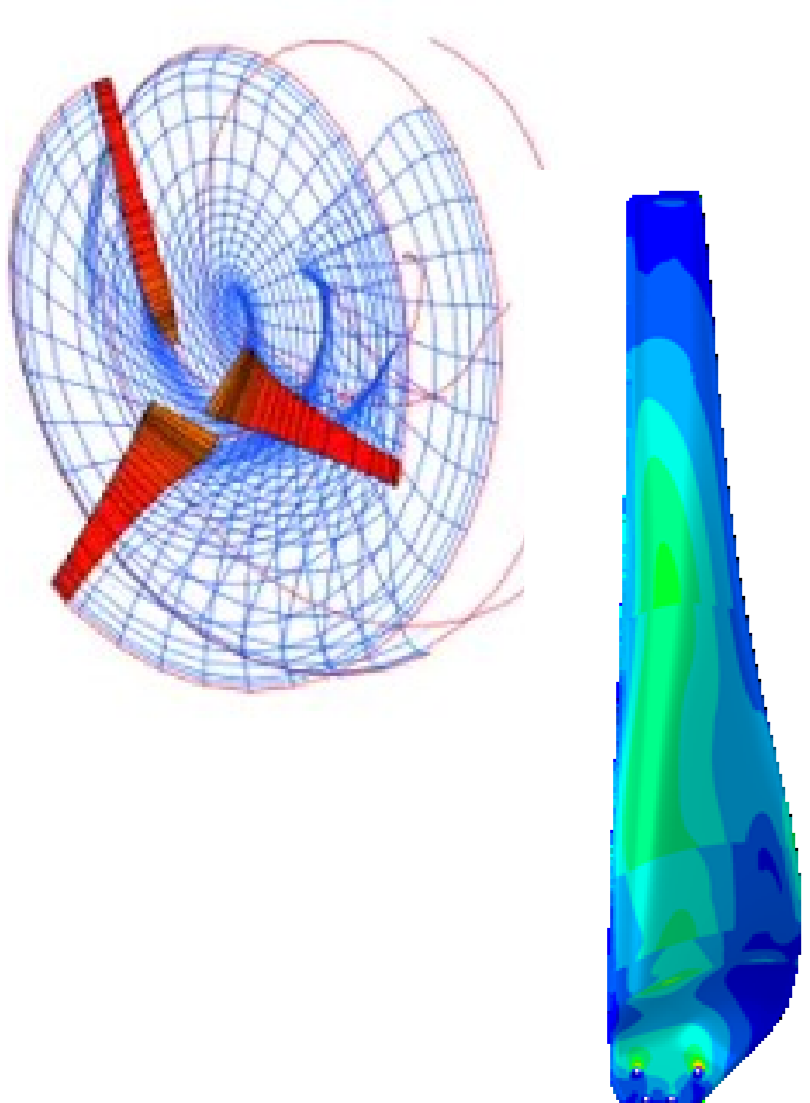
UV LED System for alternative curing



Printed electronics



Filament winding of composite pressure vessels for hydrogen storage



Simulation and design of low wind rotorblades and additive manufactured large scale tools

Visit our booth!
Hall 6, F+G 85

Contact

Univ.-Prof. Dr.-Ing. Holger Seidlitz
Research Division PYCO
Phone +49 3375 2152-100

pyco@iap.fraunhofer.de
Fraunhofer IAP, PYCO
Schmiedestr. 5
15745 Wildau, Germany
www.iap.fraunhofer.com

