

## CU – Innovation Day

### *Interiors V2 – Challenges and solutions in the production of composite structures in interiors: looking beyond the aviation industry*

**On 02. - 03. September at the CFK Nord Research Center Stade**

Address: Solar Hall  
Ottenbecker Damm 12  
21684 Stade, Germany

Moderation: Dr. Tassilo Witte & Dr. Bastian Brenken

Increasing production rates, new design concepts and higher demands from airlines and passengers pose major challenges for the cabin of the future, which the composites industry must meet with innovations in the areas of materials, manufacturing processes and systems engineering. From September 2<sup>nd</sup>-3<sup>rd</sup>, 2025, Composite United e.V. in cooperation with CTC GmbH invites you to the "CU Innovation Day Interiors V2".

The event aims to bring together experts from the aviation industry, material suppliers and component manufacturers as well as plant and automation technology to look at these challenges from different perspectives and discuss possible solutions along the entire process chain. Exciting contributions from related mobility sectors such as the rail and automotive industries will also provide a further perspective on how to deal with the respective challenges in other industries.

Join this CU-Innovation Day in Stade to get updated on the latest trends regarding modern interiors!

The event will be held in English.

Agenda	Day 1, 02.09.2025 – 10:30 am - 5:00 pm plus Evening Event
10:00	<b>Registration; Welcome coffee with networking</b>
10:30	<b>Welcome and Update Composites United e. V.</b> Marc Fette, <i>CTC GmbH</i> Dr. Tassilo Witte, <i>CTC GmbH</i> Dr. Bastian Brenken, <i>Composites United e. V.</i>
10:40	<b>KEYNOTE: Customized production in a high-performance environment</b> Dr. Tassilo Witte, <i>CTC GmbH</i>
11:10	<b>Innovative Materials for Cabin Interiors</b> Frank ten Napel, <i>Toray</i>
11:30	<b>Automated Ply Placement, suitable for any material and high rate</b> Markus Kremers, <i>Airborne</i>
11:50	<b>Polar Opposites (?), an Industrial Design Perspective</b> Benedikt Kircher, <i>Airbus Design – Cabin Development</i>
12:10	<b>Lunch break and Networking</b>
13:10	<b>Welding technologies for joining multi-material components</b> Kertsen Armin Wurm, <i>Emerson / Branson</i>

- 13:30 **Burning Questions Answered - Machine Learning Solutions for Fire Damage Prediction**  
Dr. Alexandra Kühn, *Center for Lightweight Production Technology, DLR*
- 13:50 **Thermoplastic Sandwich Moulding – lightweight sandwich interior parts in one minute cycle time**  
Dr. Ralf Schlimper, *Fraunhofer IMWS*
- 14:10 **PEI honeycomb cores with wavy cell walls and coextruded sandwich cell walls**  
Dr. Jochen Pflug, *ThermHex Waben GmbH*
- 14:30 **Presses & Automation – how you elevate your production rate**  
Alexander Wiesner, *Langzauner GmbH*

## 14:50 Coffee Break and Networking

- 15:35 **Thermoforming of interior structures in the automotive industry**  
Rupert Hune, *Josef Weischer GmbH*
- 15:55 **Lighter, greener and more cost-efficient sandwich composite structures for commercial aircraft interiors**  
Denis Holleyn, *Evonik*
- 16:15 **Panel discussion – „Challenges and solutions in the high-rate production of fiber composite structures in aircraft cabins: Looking beyond the aviation industry“**  
Ralf Schlimper, *Fraunhofer IMWS*; Benedikt Kircher, *Airbus*; Markus Kremers, *Airborne*; Christian Böhm, *Diehl*; Nils Stoll, *Krüger Aviation*, Christian-André Keun, *SAMPE*  
Topics:  
  - Main innovation drivers and challenges for a high-rate production of composite structures for the cabin
  - Lessons learnt from other industries (e.g., Automotive)
  - Sustainability aspects

Moderation: Dr. Tassilo Witte, *CTC* & Dr. Bastian Brenken, *CU*

- 17:00 **End of Program Day 1**
- 19:00 **Evening Event: Insel Stade**
- 22:00 **End of Day 1**

## Agenda Day 2, 03.09.2025 – 8:30 am - 2:00 pm

### 08:45 Welcome coffee with networking

- 09:00 **Welcome Day 2**  
Marc Fette, *CTC GmbH*  
Dr. Tassilo Witte, *CTC GmbH*  
Dr. Bastian Brenken, *Composites United e. V.*
- 09:10 **Zero Waste Cabin**  
Nils Stoll, *Krüger Aviation*
- 09:30 **Efficiency Meets Performance: Manufacturing of FRP parts to meet the highest FST and quality requirements**  
Thorsten Jobs, *AVANCO Composites GmbH*

09:50     **Sustainable floor panels for aircraft applications: The EcoFloor approach**  
Adli Dimassi, *FIBRE*

10:10     **Official End and Goodbye in plenum**

**10:15     Coffee & Networking**  
Division into groups for tours  
Distribution of Lunch bags

10:30     **Start of Facility Tours around Stade**  
1)   **Airbus Stade**  
2)   **ZAL Research Center – via personal transportation (cars)**

**13:30     Optional: Return to CFK Nord Research Center in Stade & Networking**

**14:00     End of Event**