

## CU Innovation Day



we are  
composites  
an AIRBUS company

### Advanced Composites Solutions as enabler for Hydrogen Mobility

On June 11/12, 2025, at the ECOMAT Research Center in Bremen

Address: Day 1: ECOMAT Research Center Bremen, Cornelius-Edzard-Straße 15, 28199 Bremen  
Day 2: Airbus Welcome Building in Bremen, Airbus-Allee 1, 28199 Bremen

Moderation: Dr. Tobias Reincke & Dr. Bastian Brenken

After several online events, the CU working group "Lightweight Design for Hydrogen Systems" invites you once again to an exciting face-to-face event in Bremen. You can look forward to interesting talks in the field of hydrogen storage and distribution from leaders in the field. In addition, site visits of the ECOMAT research center as well as the Airbus site in Bremen await you. The event will be rounded up by a communicative evening event in the Bremer Ratskeller with a lot of opportunities for networking and exchange! Join us in Bremen this June and be part of it!

Agenda Day 1, June 11, 2025, 11:00 am – 05:15 pm plus Evening Event, Location: ECOMAT	
10:30 am	Registration, Warm-up with Coffee
11:00 am	<b>Welcome</b> Dr. Hubertus Lohner, <i>ECOMAT Research Center Bremen</i> Dr. Tobias Reincke, <i>CTC GmbH</i> Dr. Bastian Brenken, <i>Composites United e. V.</i>
11:15 am	<b>KEYNOTE: Welcome to ECOMAT and Airbus site Bremen.</b> CTC & Dr. Hubertus Lohner, <i>ECOMAT</i>
11:45 am	<b>Lessons from learning to build a hydrogen tank</b> Di Zhao, <i>Airbus Bremen</i>
12:05 am	<b>Healable composite structures for tank applications and beyond</b> Bertrand Gresle, <i>CompPair Technologies Ltd.</i>
12:25 pm	<b>Lunch Break with Networking</b>
1:30 pm	<b>Hydac New Technologies – Advanced solutions for mobile hydrogen applications</b> Dr. Michael Busse, <i>HYDAC</i>
1:50 pm	<b>LEIWACO - thermoplastic composite LH2 tank for a cross-sector application</b> Dr. Tobias Reincke, <i>CTC GmbH</i> & Patrick Nowakowski, <i>FIBRE</i>
2:10 pm	<b>Vacuum thermal insulation for cryogenic tanks</b> Thomas Schmid, <i>Beyond Gravity Austria GmbH</i>
2:30 pm	<b>Innovative Manufacturing Concepts for Type 4 Hydrogen Storage Systems – Technologies &amp; Trends</b> Dr. Alexander Funtan, <i>Hexagon Purus GmbH</i>
2:50 pm	<b>Advanced Composite Pressure Vessels: Enabling Scalable and Sustainable Hydrogen Mobility</b> Çağla Sipahi, <i>TU Munich</i>
3:10 pm	<b>Coffee with Networking</b>
3:45 pm	<b>Facility: ECOMAT – Visit of test infrastructure for cryogenic hydrogen applications</b>

# AGENDA

4:45 pm **End of the tours**

**7:00 pm until 10:00 pm** **Evening Event @ Restaurant Bremer Ratskeller in Bremen**

Casual dinner & drinks with lots of opportunity for networking. Enjoy dinner and some nice drinks in a traditional old brick building and get in touch with participants, speakers and hosts!

Address:

Bremer Ratskeller Rößler GmbH & Co.KG  
Am Markt,  
28195 Bremen  
+49 (0)4141 2031  
[ratskeller-bremen.de](http://ratskeller-bremen.de)



10:00 pm **End of Evening Event**

**Agenda Day 2, June 12, 2025, 8:30 am – 1:00 pm, Location: Airbus Welcome Building**

8:00 am **Registration, Warm up with Coffee**

08:30 am **Welcome**

Dr. Hubertus Lohner, *ECOMAT Research Center Bremen*  
Dr. Tobias Reincke, *CTC GmbH*  
Dr. Bastian Brenken, *Composites United e. V.*

08:40 am **Innovative Lightweight Mobility Solutions with Integrated Hydrogen Pressure Vessels**

Dr. Nicole Motsch-Eichmann, *Leibniz-Institut für Verbundwerkstoffe GmbH*

09:00 am **An integrated approach for the design and health monitoring of composite pressure vessels**

Prof. Lucio Maragoni, *University of Padova*

**09:20 am Coffee break with Networking**

09:40 am **Topic: Composite Cryo Tank**

Markus Quadt, *Ariane Group*

10:00 am **New developments towards resource efficient salt cores for large format tanks**

Daniel Schuster, *Cavicore*

10:20 am **Airbus Bremen factory tour with wing assembly, A400M and space area**

12:50 pm **Closure: Wrap-up and next steps, Goodbye**

Dr. Hubertus Lohner, *ECOMAT Research Center Bremen*

Dr. Tobias Reincke, *CTC GmbH*

Dr. Bastian Brenken, *Composites United e. V.*

**1:00 pm End of Event**

Distribution of Lunch Bags for the trip home.