

CU Innovation Day

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

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



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 Quad, *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.