

CU Innovation Day

„Industrialized Composite Production of Tomorrow“

Mechanical engineering and system integration across the entire composite value chain

AIRBUS

BROETJE
AUTOMATION

CTC we are
composites
an AIRBUS company

28.+29. September 2026 at BROETJE-Automation

Address: Technologiezentrum Varel, Aeropark 1, 26316 Varel

Moderation: Marc Fette, Composites United e. V., Rolf Heusing, Composites United e. V.

This event explores the evolving requirements for mechanical engineering in the composites sector. Experts from across the entire value chain will discuss the tools, technologies, and integrated solutions necessary for efficient, scalable, and end-to-end production—from material preparation to the final product. Driven by the push of the industry for higher industrialization in composite production, technical experts will examine complex process steps and diverse market needs. Our goal is to foster a direct dialogue between manufacturers, engineers, and system integrators to develop holistic, future-proof process chains.

Agenda	Day 1
12:00	Welcome Snack with Coffee & Networking
13:00	Welcome, News from the CU and the day's objectives Marc Fette, CU
13:10	Welcome Broetje-Automation Lutz Neugebauer, Welcome ASA Tim Behrens
13:20	Keynote: Potentials and Challenges in the Development of Future Composite Aircraft Components Lars Fiedler, Airbus/CTC
13:40	Tooling Strategies for Industrialized Composite Manufacturing – Enabling Closed-Mould Aerospace Production Bernhard Rittenschober, Alpex
14:00	Software Tools for High-Efficiency Composite Manufacturing Marc Loegel, SWMS
14:20	Optimized process technology using thermosetting matrix materials for the production of high-quality prepregs Andrea Glawe, Kroenert
14:40	Coffee break & Networking
15:30	Wing of the future. A view from a machine tool company... Manu Motilva Casado, M.Torres
15:50	Design to manufacturing software, a Multi-criteria Optimization of Composites Design for AFP in 3Dex Clementine Gallet, Coriolis
16:10	GRAM: Turning Aerospace Ambition into Industrial Strength Claude Maack, Gradel

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| 16:30 | From lightweight design to mass production: scalable composite manufacturing from an industrial perspective
Alexander Wiesner, Langzauner |
| 16:50 | How Coexpair developed Industrial Equipment for Process Excellence : SQRTM, RTM & in-situ-TP
André Bertin, Coexpair & Coexpair Dynamics |
| 17:10 | Get Together – Marketplace
Dinner buffet & Networking in the Marketplace environment |
| 21:00 | End of Day 1 |
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Agenda Day 2

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| 08:30 | Welcome Coffee |
| 09:00 | Creating the production system for the next aircraft generation - an integrated approach towards the Factory of the Future
Anton Richter, Broetje-Automation GmbH |
| 09:20 | Enabling High-Rate Aircraft Production through Cross-Industry Automation Expertise and Technology Adoption
Tristan Pfurr, FFT Production Systems |
| 09:40 | Digital Forming Excellence: Comprehensive part tracking and quality documentation
Jens Aspacher, ANDRITZ Schuler |
| 10:00 | Serial UD Tape Laying in Research & Innovation: Accelerating the Path to Industrial Production
Sascha Kilian, Fraunhofer ICT + Jochen Schädel, Dieffenbacher |
| 10:20 | Coffee break |
| 10:50 | Best Practices of Smart Factory Planning and Ramp-up in Aerospace Industry
Bernhard Lietzmann, Ingenics |
| 11:10 | Industrialized and automated postprocessing for large composite components
Christian Böhlmann, Fraunhofer IFAM |
| 11:30 | FLYING production for FLYING systems – Industrialized production of large hybrid composite parts and assembly groups
Michael Krah, ANYBRID GmbH |
| 11:50 | Conclusion & Closing Remarks |
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12:00 LUNCH & Networking

13:00 Guided tour Airbus Aerostructures Varel or



Machining



Assembly



Additive Manufacturing

Airbus Amber

Site Varel

- ~ 1,500 employees
- ~ 65,000 m² of plant area
- over 3,5 million detail parts p.a.
- Supplier for the entire civil Airbus family and military aircrafts
- Machining of large and small components
- Additive Manufacturing – metallic 3D printing
- Assembly of pax. and cargo-door surroundings
- Assembly of structural components
- Military assemblies for Eurofighter

AIRBUS

Broetje-Automation / Rastede



15:00 End of Day

In Zusammenarbeit mit den CU Arbeitsgruppen:
[AG Automatisierung | Composites United e.V.](#)
[AG Herstellverfahren | Composites United e.V.](#)
[AG Künstliche Intelligenz | Composites United e.V.](#)