

Expert Forum Aviation Polymers

KraussMaffei
Pioneering Plastics

Plastic solutions today and beyond!

09. Dezember 2026 at KraussMaffei Technologies GmbH

Adress: Krauss-Maffei-Straße 1, 85599 Vaterstetten, OT Parsdorf

Moderation: Sven Blanck (MAI Carbon)

MOTIVATION

The Future of Aviation: Plastics as a Key Technology - The aviation industry faces major challenges: increasing demands for sustainability, energy efficiency, and safety are pitted against the desire for ever-more-efficient aircraft. This is precisely where modern plastics play a crucial role. The Expert Forum Aviation Polymers focuses on the latest developments, innovative applications, and future potential of polymer-based materials in aircraft construction.

The focus is on high-performance plastics and fiber-reinforced composites, which are already being used today in wings, cabin components, insulation, and engine components. Thanks to their low weight, they play a key role in reducing fuel consumption and, consequently, CO₂ emissions. At the same time, modern plastics offer impressive stability, temperature resistance, and design flexibility. Experts from industry, research, and development will provide exciting insights into current projects and technological trends. Topics such as recyclability, sustainable material concepts, additive manufacturing, and safety and certification requirements will be examined from a practical perspective. The program will be complemented by technical presentations, panel discussions, and networking opportunities with companies and specialists from the aviation and plastics industries.

The event is aimed at engineers, developers, students, companies, and anyone interested in learning more about the future of innovative materials in aviation. Together, we will discuss how plastics can help make aviation more efficient, safer, and more sustainable.



Gefördert durch

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Stark in Bayerns Clustern [#EffizientVernetzt](#), [Cluster-Community Bayern](#)

Eine Veranstaltung organisiert von **MAI Carbon**.

Agenda	
13:00	Registration and Snacks
13:30	Guided Tour (optional, separate registration)
14:30	Welcoming of the host Krauss Maffei
14:45	Keynote: Marc Fette, CTC - Composite Technology Center GmbH
15:10	Session I. Materials, Technologies and Processes
15:10	TBD Prof. Michael Kupke, DLR Augsburg
15:30	Isar Aerospace angefragt
15:50	Simulation-Based Development and Prototype Implementation of Highly Integrated Manufacturing Processes for Thermoplastic Aerospace Structural Components Prof. Thomas Neumeyer, Leibniz-Institut für Verbundwerkstoffe
16:10	Cake & Connect
16:40	Session II. Circular Economy, Sustainability and Recycling
16:40	TBD Jakob Wölling, Fraunhofer Aviation and Space
17:00	Elbe Flugzeugwerke angefragt
17:20	Robotic Lamination of High Performance Composites for Aerospace and Defense Applications Dr. Florian Lenz, Cevotec GmbH
17:40	SPOTLIGHT-DIALOG and conclusion Andreas Gundel, BavAIRia e.V., Krauss Maffei
18:00	End of the Day

Cooperation partner

