

Welcome to JEC



The Context

Aerospace & mobility are being radically reshaped by digitalization, sustainability, and advanced manufacturing.



The Mission

Transitioning from traditional methods to smart, scalable, and lightweight solutions.



The Enablers

Global Collaboration, Artificial Intelligence, and Next-Gen Materials.

Session 3: The Innovation Matrix



AI in Composites

[Target: AIDC - Jennifer Chuang/Jim Yu, then Open]

Where will AI make the greatest practical impact in the next 5 years? Will design transform first, or will manufacturing and lifecycle management catch up quickly?



Thermoplastics vs. Thermosets

[Target: TP Team - Benoit/Franck, with Airbus input]

Is the traditional TS vs. TP rivalry dead? Are we moving toward an integrated view where each material system plays a specific, complementary role?



Future Airbus Programs & APAC

[Target: Airbus - Sven Karras & AIDC]

How will upcoming Airbus programs reshape global demand? How must APAC suppliers position themselves to capture value in an evolving supply chain?



The Asian UAV Market

[Target: COBRA - Danu Chotikapanich]

Do advanced composites offer a genuine performance value proposition in UAVs (endurance, payload), or is the market still strictly dominated by cost?



R&D to Mass Production

[Target: TP Team - Benoit/Franck]

What is the definitive bottleneck for scaling thermoplastics today? Is it material cost, cycle time, automation capability, or certification?



Europe-Asia Collaboration

[Target: Open to All / Wrap-up]

Where are the most promising avenues for cross-border partnership? Joint development, manufacturing localization, or technology exchange?

Conclusion: Engineering the Future Together

