



AVATAR

DIGITAL TWIN



NEWSLETTER



AVATAR Project at AERO Friedrichshafen: Showcasing Digital Twin Innovation

From April 9th to 12th, our AVATAR Project team participated in the AERO Friedrichshafen event, showcasing its latest aircraft and presenting key updates on the Digital Twin initiative.

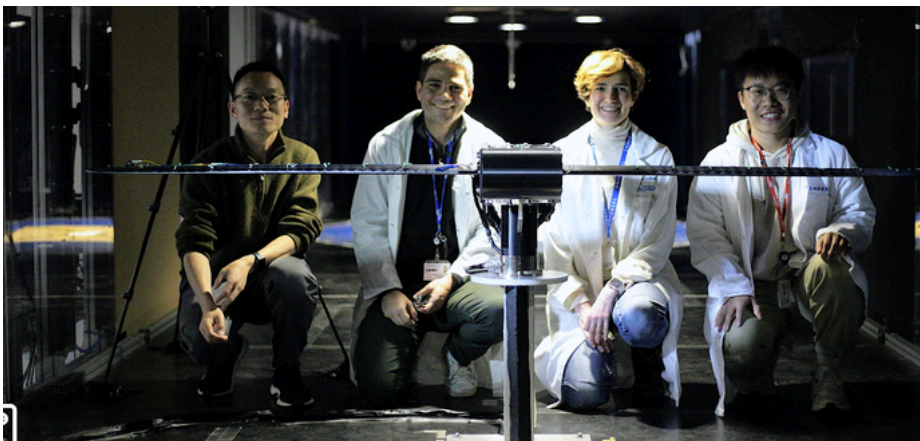
The presentation, titled "What Avatar Project Brings to Digital Twin Implementation in Small Aircraft Domain" highlighted how digital twin technology is transforming the design, testing, and maintenance of small aircraft. The event provided a platform for industry leaders to explore advancements in aerospace technology and discuss the future of digital integration in aviation.

AVATAR Project at LOPEC

We are pleased to share that our project team member, Anna Krzyzanowska, presented our latest research at LOPEC 2025 on February 27, 2025.

Her presentation, titled "Digital Twin Integration for Transformative Air Vehicles: Advancing Safety and Efficiency with IoT-Enabled Printed Smart Skin" showcased our innovative work combining digital twin technology with printed smart skin systems for next-generation air vehicles.

We congratulate Anna on this successful presentation and look forward to continuing our contributions to this important field of research.



Wind Tunnel Test: A Major Milestone for AVATAR PROJECT

The Avatar Project team has successfully completed its first round of wind tunnel testing at Imperial College London, focusing on measuring the response of the composite wings of Nordic Wing's ASTERO drone under aerodynamic loading. This collaboration with experts from Imperial College and Loughborough University provides crucial data for validating AVATAR's digital twin system, aimed at enhancing safety and efficiency in transformative air vehicles (TAVs).