



Press Release

June 2025

ACCURATE Project Brings Resilience and Intelligence to European Manufacturing Supply Chains

ACCURATE project deploys Digital Twins, AI, and MaaS solutions in real industrial pilots with Airbus and Continental

The Horizon Europe-funded project **ACCURATE** (Achieving Resilience Through Manufacturing as a Service, Digital Twins and Ecosystems) is driving forward the digital transformation of manufacturing by enabling companies to anticipate and respond to disruptions through advanced technologies such as **Digital Twins, Artificial Intelligence, and Manufacturing-as-a-Service (MaaS)**.

As supply chains across Europe face increasing complexity and vulnerability, ACCURATE offers a robust response by delivering **resilience-by-design** tools that empower companies to model, reconfigure, and optimise their operations dynamically. The project supports manufacturers in maintaining continuity, reducing lead times, and adapting to unexpected events—from geopolitical risks to environmental disruptions.

Industrial Validation Through High-Impact Pilots

The ACCURATE platform is being tested in multiple real-world industrial contexts across Europe:

- **AIRBUS Atlantic:** Enhancing the resilience of aerostructure production for the A320 family by applying Digital Twin simulations and flexible reconfiguration tools.
- **Continental Automotive:** Optimising procurement, production planning, and logistics through integration of EDI supplier data and SAP-based sequencing to minimise costs and delivery delays.
- **TRONICO:** Validating the ACCURATE framework in complex, high-mix electronics supply chains to ensure broad applicability and scalability.

These pilots provide practical environments to demonstrate how simulation, AI, and interoperability can increase agility and performance in industrial operations.

Technical Innovation and Human-Centric Design

ACCURATE focuses on integrating vertical (shop-floor) and horizontal (supply network) decision-making. The platform includes:

- **Digital Twin technology** for simulating real-time production and supply scenarios
- **AI-based dashboards** to support dynamic reconfiguration decisions
- **KPI-driven models** for evaluating resilience, sustainability, and service levels
- **Human-in-the-loop design**, ensuring expert oversight and adaptability

The platform is also designed to align with **GAIA-X principles**, supporting trusted data sharing across industrial actors.

European Collaboration for Resilient Manufacturing

The ACCURATE consortium brings together 20+ partners from across Europe, including industry leaders, research institutions, SMEs, and digital experts. The project directly supports EU priorities on **industrial competitiveness, strategic autonomy, and green and digital transitions**.

Funded under the Horizon Europe programme (Grant Agreement No. 101138269), ACCURATE will run until November 2026.

Communication and Outreach Activities

To support knowledge transfer and stakeholder engagement, the project has launched the following initiatives:

- **Podcast Series: Futureproof – Conversations in Manufacturing Innovation**
- **Webinar Series** launching in summer 2025 on Digital Twins, resilience KPIs, and pilot results
- Participation in high-level events, including a **panel discussion at Innovent Forum** co-organised with the Flex4Res project, addressing the future of EU supply chains