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Press Release

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ACCURATE Advances Manufacturing-as-a-Service Solutions Through Industrial Pilot Campaign in Nantes

The Horizon Europe-funded ACCURATE project brought together industrial and research partners in Nantes, France, to strengthen pilot validation, integrate key technologies and advance resilient, interconnected manufacturing ecosystems.

The Horizon Europe-funded **ACCURATE project** held a two-day pilot campaign workshop on **23–24 February 2026 in Nantes, France**, hosted by IMT Atlantique. Bringing together manufacturers, technology providers and research organisations, the workshop marked an important step towards validating the project's innovative Manufacturing-as-a-Service (MaaS) solutions in realistic industrial environments.

With onsite and online participation, the workshop focused on connecting ACCURATE's technological developments with practical industrial requirements, strengthening pilot validation methodologies and establishing a common understanding of how the project's technologies can improve manufacturing resilience.

Dedicated sessions addressed the **AIRBUS and TRONICO industrial pilots**, while a joint discussion between the ACCURATE and MAASive projects explored complementary approaches to more flexible and interconnected manufacturing networks.

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Strengthening Manufacturing Resilience Through Connected Production Networks



As European manufacturers face increasing supply-chain disruptions and changing production requirements, the ability to access alternative manufacturing capacities and coordinate production across organisational boundaries is becoming increasingly important.

A central theme of the workshop was the role of Manufacturing as a Service in enabling flexible, networked production systems capable of responding effectively to unexpected disruptions.

During the joint MAASive–ACCURATE panel discussion, participants highlighted the importance of secure data exchange, advanced modelling and simulation, and intelligent orchestration and decision-support tools in enabling manufacturing organisations to collaborate across distributed production networks.

Two fundamental challenges were identified: **ensuring interoperability and seamless data sharing across organisations and technological systems, and establishing trusted governance mechanisms for industrial data and services.**

Complementary Approaches to Manufacturing as a Service

The discussions highlighted how ACCURATE and MAASive contribute complementary technological approaches towards a shared vision of resilient manufacturing.

While **MAASive** focuses on manufacturing reconfigurability and network orchestration, enabling companies to identify and activate alternative

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production capacities during disruptions, **ACCURATE** advances end-to-end decision integration within a trusted digital manufacturing ecosystem.

By connecting industrial data, Digital Twins and advanced decision-support technologies through a federated and trustworthy data space, ACCURATE aims to facilitate the adoption and scaling of MaaS solutions across industrial sectors.

Together, these approaches demonstrate how European research initiatives can contribute to more interconnected manufacturing environments capable of adapting to operational challenges and unexpected disruptions.

Moving Towards Real-World Industrial Validation

A major objective of the Nantes workshop was to translate technological developments into practical validation activities and measurable industrial outcomes.

Across the two days, project partners worked collaboratively to advance four key areas:

- **Validation of Unit Technology Bricks (UTBs):** Establishing a structured approach to preparing and connecting industrial data, defining experimental assumptions and designing tests to evaluate technology performance under disruption scenarios.
- **Linking Technologies to Industrial Impact:** Developing clearer connections between technological components, manufacturing Key Performance Indicators (KPIs) and pilot objectives through a dedicated validation matrix.
- **Establishing Technology Onboarding Principles:** Defining how manufacturing services and technological components can be introduced, validated and aligned with broader European industrial data space initiatives.
- **Integrating the ACCURATE MaaS Ecosystem:** Consolidating a shared understanding of how the project's technological components work together, connecting **Data, Digital Twins, Decision Support, Manufacturing as a Service, Data Spaces and Impact**.

These activities provided an important foundation for assessing the contribution of ACCURATE's technologies to operational efficiency, manufacturing flexibility and supply-chain resilience.

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From Technological Development to Measurable Industrial Impact

The Nantes pilot campaign represented an important step in ACCURATE's transition from technological development towards integrated pilot validation.

By aligning technical solutions with industrial requirements and measurable performance indicators, the consortium strengthened the foundations for evaluating how the project's innovations can support manufacturing operations under both normal conditions and disruption scenarios.

The outcomes of the workshop will inform subsequent pilot validation activities, supporting the assessment of ACCURATE technologies in realistic industrial settings and their potential contribution to more resilient and adaptive manufacturing value chains.

Through its integrated approach to **Digital Twins, Manufacturing as a Service, trusted data spaces and intelligent decision support**, ACCURATE continues to advance the technological foundations for a more connected, flexible and resilient European manufacturing ecosystem.

About ACCURATE

ACCURATE is a research and innovation project funded by the European Union under the Horizon Europe programme (Grant Agreement No. 101138269). The project focuses on strengthening the resilience of European manufacturing value chains by advancing Manufacturing-as-a-Service approaches through the integration of Digital Twins, data spaces and advanced decision-support technologies.

Through collaboration between research organisations, technology providers and industrial partners, ACCURATE seeks to enable more flexible, connected and adaptive manufacturing ecosystems.

Project website: https://accurateproject.eu/

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