



MANUFUTURE CONFERENCE

—
The role of public
policies

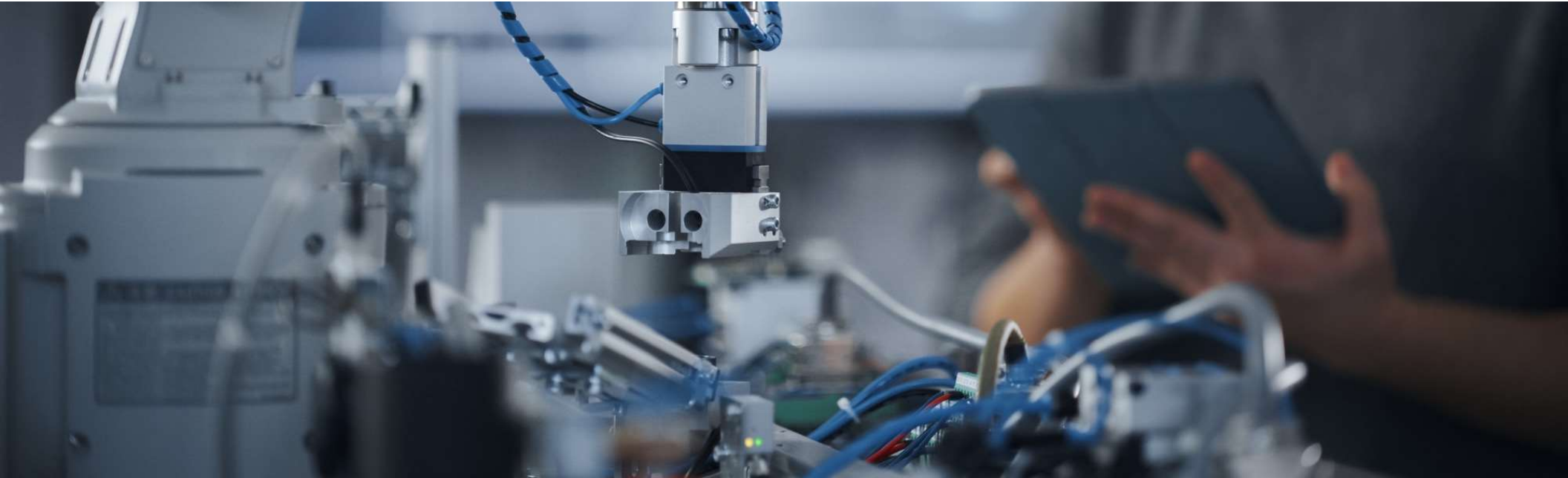
Valentina Ivanova, CEA





Outlines

- **AI-MATTERS the manufacturing TEF**
 - EU landscape supporting AI
 - Delivering services to the industry
 - Early impact assessment
- Deep-dive into the French node
- Online references



AI-MATTERS
Smart Manufacturing Testing and Experimentation
Facilities
Helping European Industry to Grow on AI



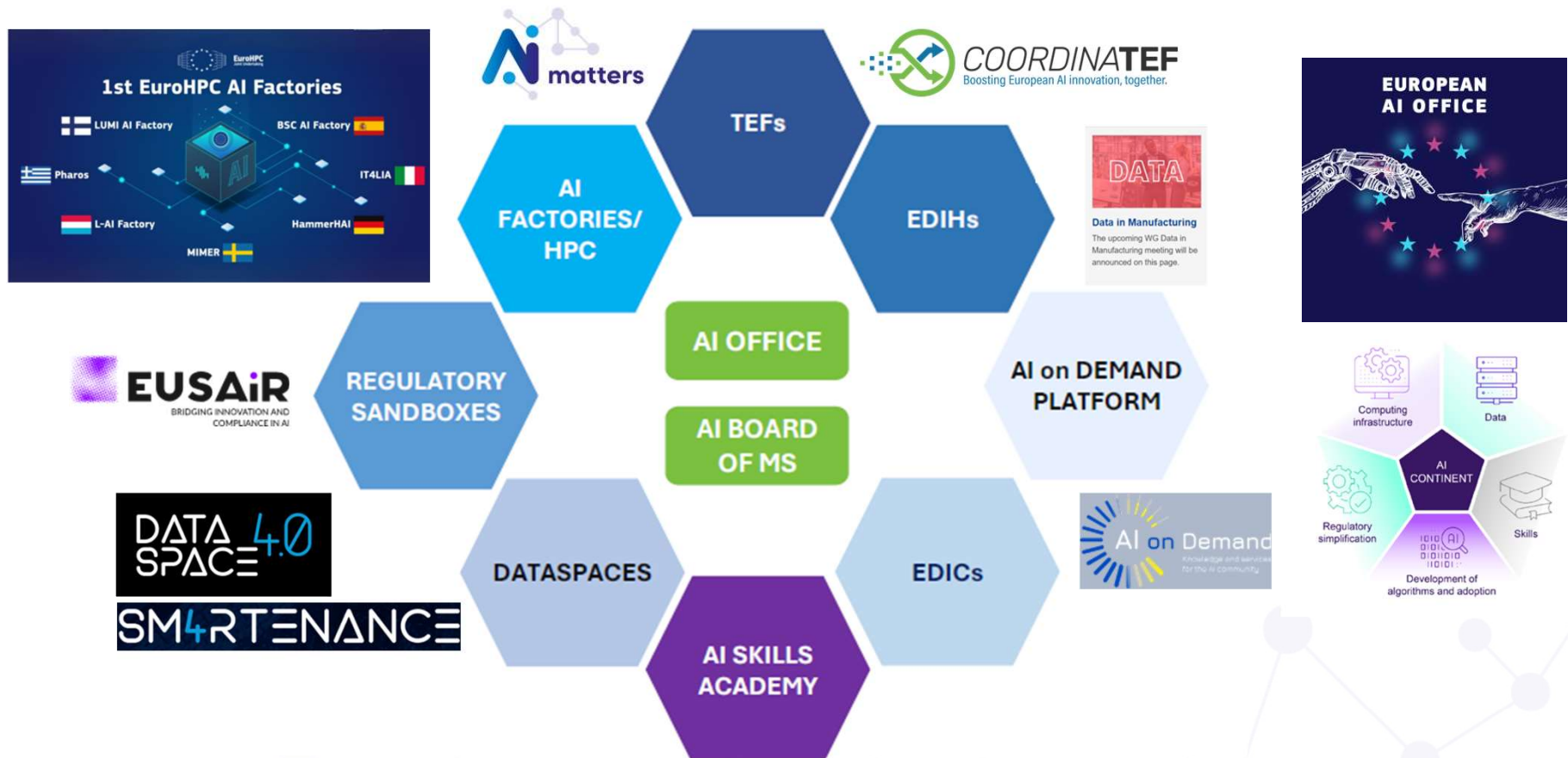
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AI-Matters Network of Infrastructures



- Increase the **resilience and flexibility of the European manufacturing sector** through the deployment of the **latest developments in AI and robotics**, and intelligent, autonomous systems for flexible production, addressing **all manufacturing sectors** such as automotive, space and mobility, textile, recycling, etc.
- AI-Matters offers its customers **an extensive service catalogue** spanning the topics above that evolves through continuous updates as needs and expectations of the European manufacturing industry progress.
- Framed under **the DIGITAL Europe Programme**, AI-Matters actively contributes to enhancing the leadership of the European manufacturing industry.

EU landscape supporting AI in the manufacturing sectors



Delivering services to the industry in 4 challenge pillars



Human-Robot Interaction

Creating efficient, safe collaborations between workers and robots to increase productivity, reduce error rates and improved worker safety



Factory level optimization

Leveraging advanced technologies and process improvements to streamline operations towards enhancing efficiency, minimizing waste, and boosting productivity



Circular economy

Minimizing waste and making the most of resources, designing products for longevity, reuse, and recyclability, developing sustainable production processes



Other upcoming and enabling technologies

Integrating innovative tools and systems that support and enhance manufacturing processes and facilitate smarter production, supply chain efficiency and product innovation



AI-MATTERS customer journey



Get in contact / Request a service here:
<https://ai-matters.eu/how-it-works/>

Hear from others who have gone before you >

The collaboration between AI-Matters and Etalia delivered tangible outcomes: Time savings, Document analysis, Standardization and code verification which improved product quality.



[READ THE FULL STORY](#)



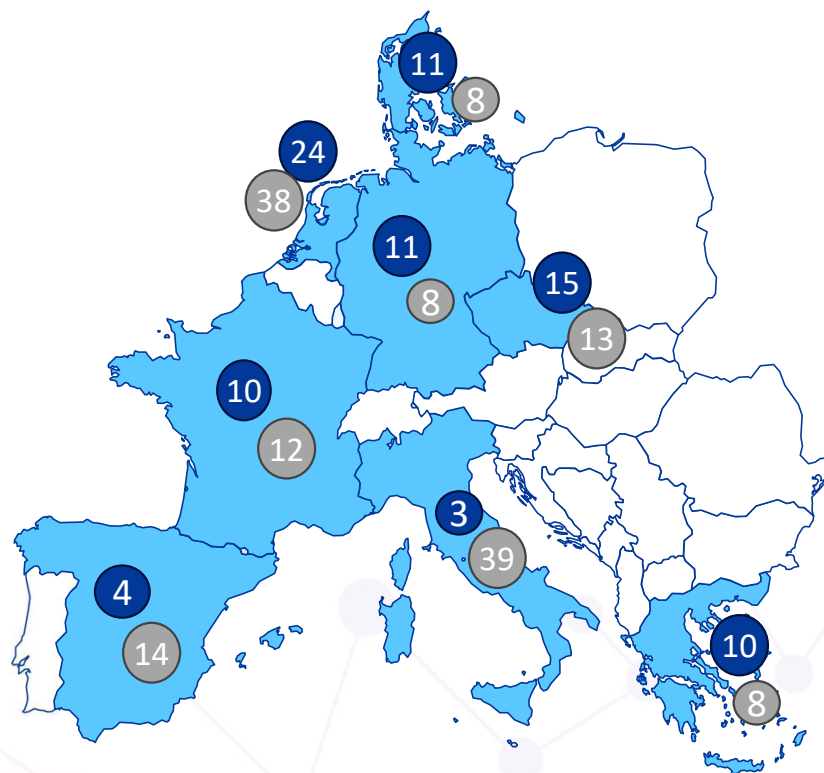
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Early impact assessment

As of **October 2025**: 88 contracts signed

- **Steady increase over the last 4 months**
- **Most are under execution but 24 services already completed**
- **4 cross-border services**
- **90% of SMEs** (but some Large companies are customers too)
- **Diversity** of sectors : robotics, textile, agriculture, and automotive
- **Commitment and interest** since for some service nodes companies still need to pay 25% of service price
- Discount schemes vary yet often rely on de minimis state-aid regime

Oct 2025



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- **Deep-dive into the French, Czech and Greek Nodes**
- Online references



French node opens 1000m² of new experimentation area



- 1000 m2 experimentation + workspace area
- Additional equipment installed and ready to use
 - Robotic equipment (arms, cobots etc.)
 - XR devices and immersive screen
 - Front end computers & software licenses
 - Connectivity solutions (5G network)
 - Upgrade of HPC server for AI applications

▪ 130+ visitors from industry (day 1+2)
▪ 300+ visitors large public (day 3)



Digital Twin Demo VR



Robotic demo (battery disassembly)



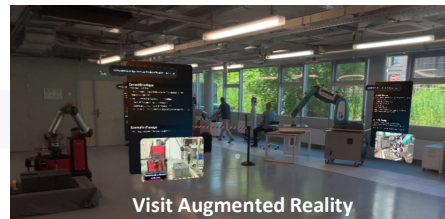
Cobots (Bar10, Isybot)



HPC server Upgrade



Digital Twin Demo VR



Visit Augmented Reality



5G



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Czech Node – User Story

SMAUT Technology

Challenges

- Mowing in tall grass
- Avoiding obstacles hidden in the grass
- Autonomous navigation even outside GPS signal range
- Coordination of multiple machines on a single plot of land
- Durability and protection against misuse

Greek Node – User Story

User Story - CASP: “Dynamic robot task planning & resources orchestration”



Results:

Reconfiguration time reduced from months to hours: 100% collision avoidance, 85% resource utilization, 96% AI planning accuracy, No system downtime during tests.

“ The collaboration significantly reduces the time, cost, and uncertainty associated with validating and deploying AI technologies in real-world settings. ”

CASP - ★★★★★

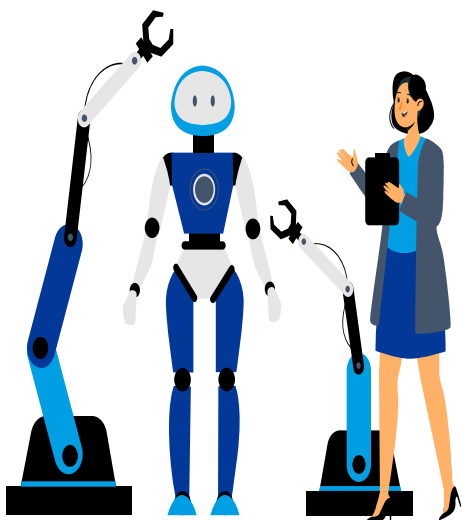
LMS
Laboratory of Manufacturing Systems Automation
Casp

matters



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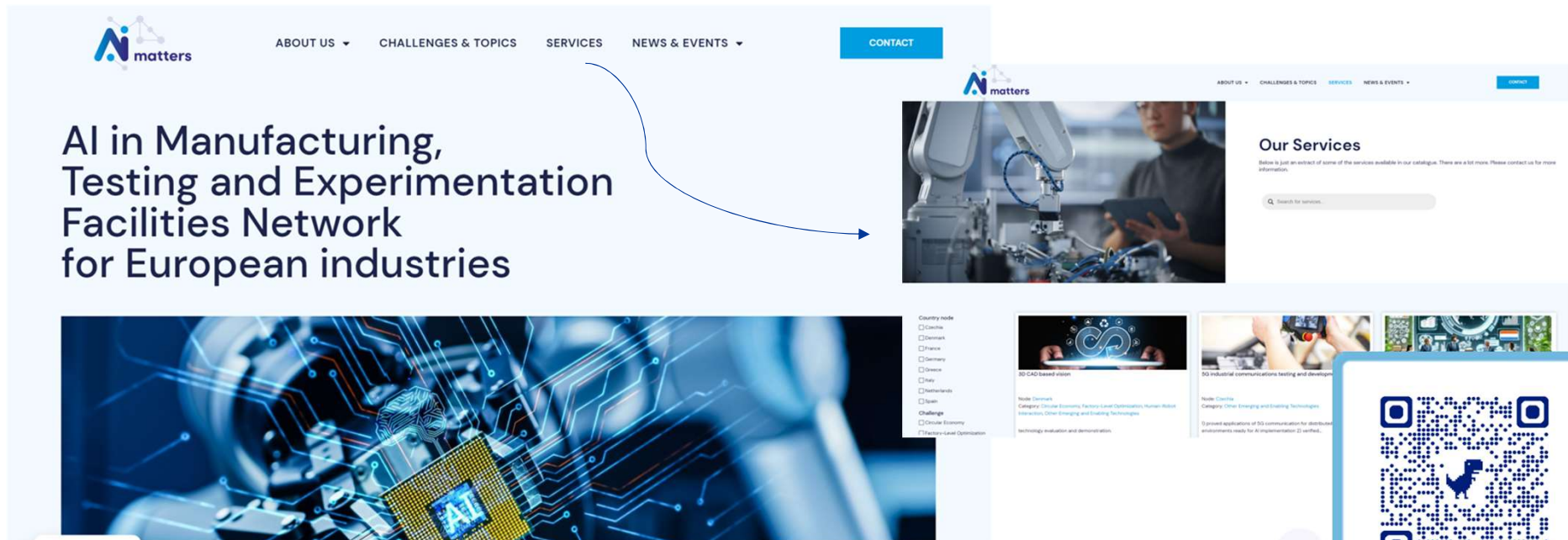
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AI-MATTERS Website



[AI MATTERS EU | EU project \(ai-matters.eu\)](https://ai-matters.eu)



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Multilingual websites

Czech Node

rané oblasti odbornosti



BCAP Textol Praha, ČRK ČVUT

- **Zveřejněná data**
IoT a datová analytika v oblasti obrábění dat, údržby dat a vzhledů dat. Edge computing, kólování a související dat.
- **Výrobní procesy**
Aditivní výroba, diagnostika procesů a strojů, optimalizace procesů.
- **Digitální dvojče a digitální zóna**
Společně fyzických systémů a simulací, virtuální prostředí pro simulaci, digitální dvojče strojů, fyzikální zóna.
- **Chybné kvalifikace a distribuovaná výroba**
Chybné kvalifikace a distribuovaná výroba. Chybné kvalifikace a distribuovaná výroba. Chybné kvalifikace a distribuovaná výroba. Chybné kvalifikace a distribuovaná výroba.
- **Pokročilá analytická systémy**
Optimalizace výrobního procesu a rozpočtování, diagnostika strojů energie. Distribuované systémy, analytika energie ve výrobním řetězci zdrojů, analytika energie.

Danish Node

AI-MATTERS
Gør dansk AI-teknologi markedsklar



Dutch Node

Node Services

Een groep uit de services van de Nederlandse Node:

Operator van de Toekomst

Deze dienst heeft al drie toepassingen met een voorbeeld van een robot die een taak uitvoert. De robot kan ook worden gebruikt voor andere taken. De robot kan ook worden gebruikt voor andere taken.

Digitale & AR operator support

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Robot insturen door demonstratie

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French Node

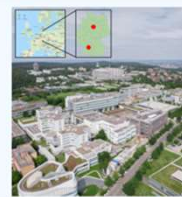
Exemples de services mis en place

Robotique collaborative



German Node

Deutscher Knoten

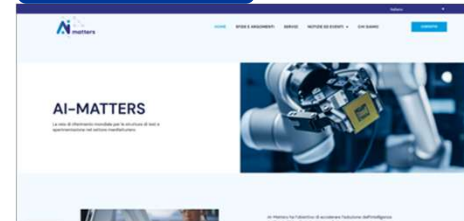


Greek Satellite

Ελλάδα στο πλαίσιο του έργου AI Matters



Italian Node



Spanish Node



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- 4 newsletters sent
- Sent every quarter

