Site visit
Robotics & AI and (Circular) Semiconductors

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The European perspective

The AI Innovation Package in a nutshell

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European Commission

From the AI Innovation package to InvestAI

PRESS RELEASE | Feb 11, 2025 | Paris | 3 min read

EU launches InvestAI initiative to mobilise €200 billion of investment in artificial intelligence

Background

Next to the InvestAI fund launched today, the Commission is taking many actions in different fields to support AI innovation in Europe. AI Factories are a highlight of the Commission's AI innovation package presented in January 2024, together with:

- **Financial support** through Horizon Europe and the Digital Europe programme dedicated to generative AI;
- Accompanying initiatives to strengthen the EU's generative AI talent pool through education, training, skilling and reskilling activities;
- Further encouragement of public and private investments in AI start-ups and scale-ups, including through **venture capital or equity support**;
- The acceleration of the **development and deployment of Common European Data Spaces**, made available to the AI community, for whom data is a key resource to train and improve their models;
- The **'GenAI4EU' initiative**, which aims to support the development of novel use cases and emerging applications in Europe's 14 industrial ecosystems, as well as the public sector. Application areas include robotics, health, biotech, manufacturing, mobility, climate and virtual worlds.

EUROPEAN ARTIFICIAL INTELLIGENCE OFFICE

The European perspective

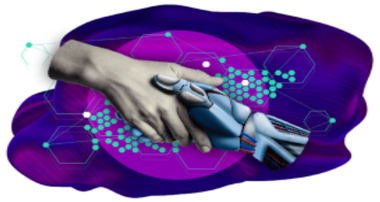
*" Largest public-private partnership in the world for the **development of trustworthy AI** "*

*" European AI focuses on AI **adoption** in complex applications "*

" European AI is cooperative"

Speech by President von der Leyen at the Artificial Intelligence Action Summit

The European perspective



ECOSYSTEM OF TRUST (AI ACT)

AI Office

AI Board of MS

EIC / InvestEU

...to the market

from the lab...

DIGITAL EUROPE

HORIZON EUROPE

ADRA & MIE - PPP

EDIHs (EUROPEAN DIGITAL INNOVATION HUBS

R&I

ECOSYSTEM OF EXCELLENCE

TEFs (TESTING AND EXPERIMENTATION FACILITIES)

NETWORKS OF EXCELLENCE

AI ON DEMAND PLATFORM

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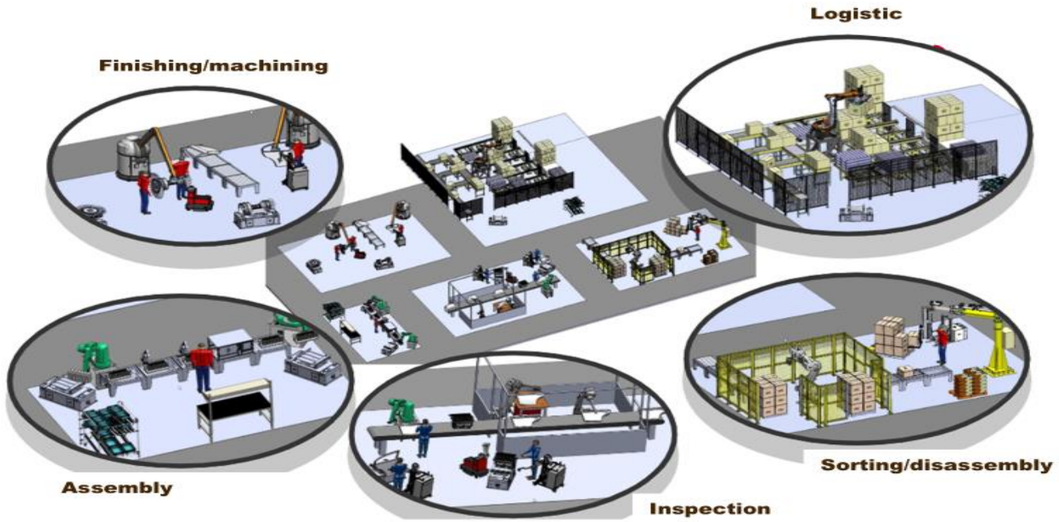
The European perspective

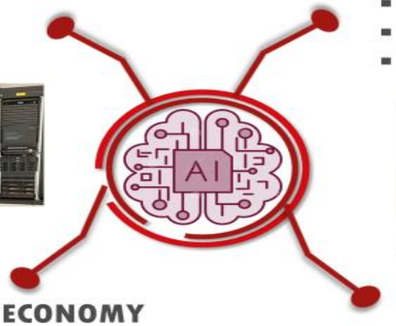
AI-MATTERS Manufacturing TEF



- Increasing the resilience and the flexibility of the manufacturing sector
- Number of available physical and digital resources: 150
- Number of companies served by the TEF > 800
- Number of manufacturing companies up-taking AI and robotics solutions as an outcome of TEF accesses >200
- Average reduction % of robotic automation costs > 15%

AI ENABLED SMART ROBOTICS

- Perception
- Location / indoor mapping
- Force/compliance control
- Planning
- Intelligent grasping & object manipulation
- Natural language processing



CIRCULAR ECONOMY

- Disassembly
- Tracing
- Recycling
- Supply chain optimization
- Block chain

FACTORY FLOOR OPTIMISATION

- Flexible production
- AI for autonomous decision making
- Self-adaptive manufacturing processes
- Logistics management support
- Process, planning, monitoring . . .

OTHER EMERGING TECHNOLOGIES

- Gen AI
- Computer vision
- Formal methods
- Edge to cloud
- Neural network

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Focus on the "AI, Data and Robotics public-private partnership" (2021-2030)

European Commission Public Side

Co-Programmed Partnership

Adra Association Private Side

The AI Data Robotics Association

Up to 1.3 billion euros of public investment by the European Commission (through Horizon Europe) matched by up to 1.3 billion euros of private investment through Adra for the period 2021-2030

A United Community of Excellence

Bringing together top researchers and industry leaders across AI, Data, and Robotics, this partnership unites excellence with wide geographical coverage across Europe.

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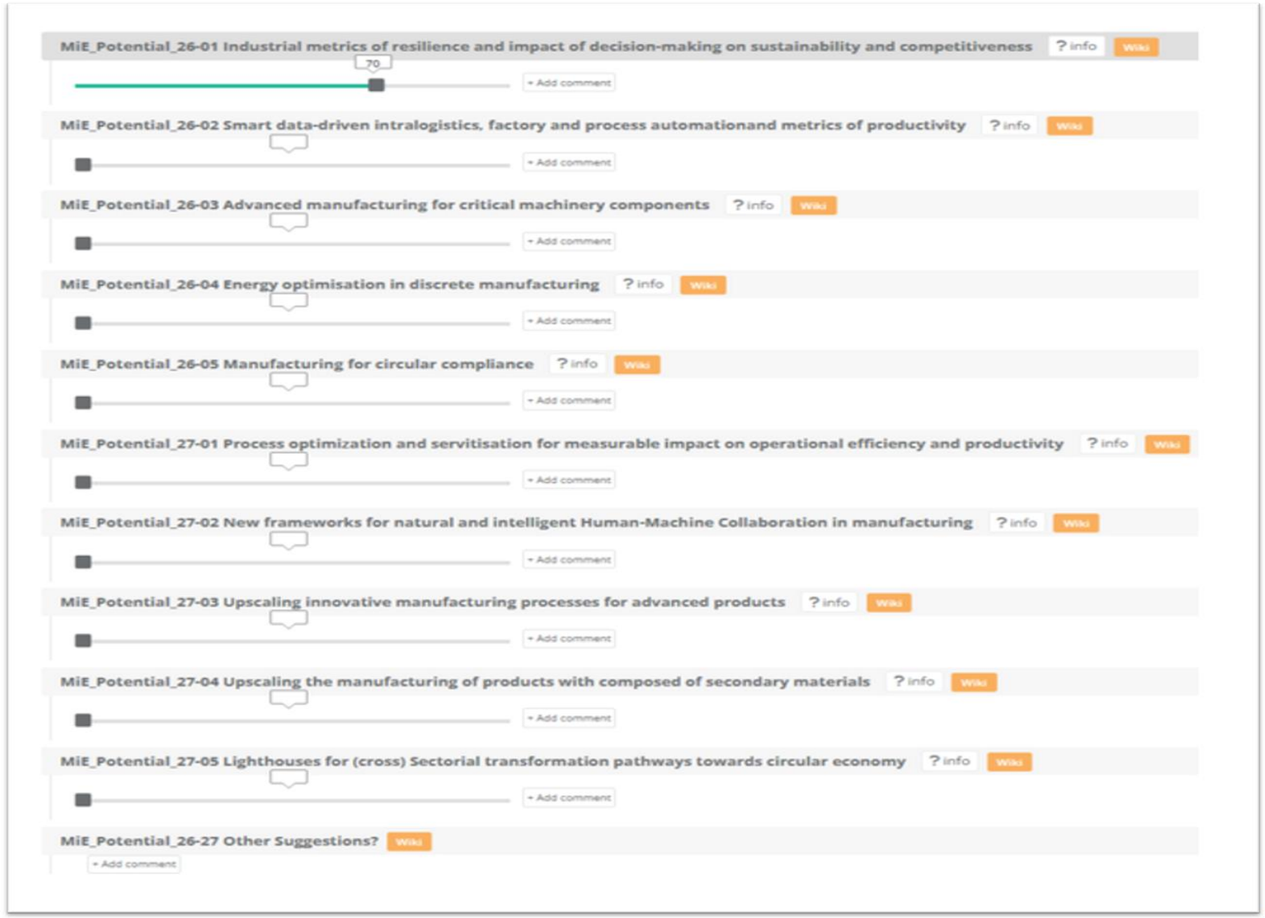
Consultation Made in Europe WP 26-27

MADE IN EUROPE

https://www.effra.eu/consultation-made-in-europe-wp-26-27/



MADE IN EUROPE

EFFRA
EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION

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NEXT GEN EU

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