



Achieving Competitive & Circular Manufacturing in Europe

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Industrial Transformation***

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Advanced Manufacturing in Europe



Advanced manufacturing firms in EU doubled between 2009 and 2023

In the same period EU firms applied for 18000 patents in advanced technologies for manufacturing

In 2021 manufacturing represented €2.2 trillion of added value...

...employing 33% of all people working in a multinational company

Calling for a change



Letta's report refers to the need of a **fifth freedom in Europe**: free movement of research, innovation, knowledge and education across all 27 Member States.

- Drive the dynamics of a market shaped by digitalization and innovation.

Draghi's report stresses the need for significant investments for **decarbonisation** of our industries and **tackling innovation deficit on advanced technologies** in Europe.

- Need to harness the full research and development potential in Europe.
- A wake-up call for Europe to do more and to do better.

Heitor's report interim evaluation of Horizon Europe.

- boosting European **competitiveness through R&I**, emphasizing the need for alignment, action, and acceleration
- Strengthen FP, increase budget, simplification and innovation

COMPETITIVENESS COMPASS



To strengthen the EU's **resilience** and **open strategic autonomy** and to deliver on the **Green Deal** and **Digital Transition**, Europe must :

- **Scale up** its innovation and manufacturing capacity
- **Translate innovation** into manufacturing leadership
- **Shift** towards clean production and circularity
- **Move** Critical Supply Chains to Europe

Advanced Manufacturing - goals

- High quality, reliable, affordable products with longer life cycle
- Boost market penetration of circular products
- Enhance and develop re-manufacturing capabilities
- Increase automation and use of AI and data
- Create attractive jobs, retain talent and inspire a new generation
- Bring back production of key products in EU: “Made in Europe”

Some of the calls in Work Programme 2025

Integrated approaches for remanufacturing

Physical and cognitive augmentation in advanced manufacturing

Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry

Robust and trustworthy Generative AI for robotics and industrial automation



HORIZON EUROPE



European
Commission

Thank you!