Co-creation through Manufacturing Eco-systems

EFFRA`s Roadmap for the “Made In Europe” Partnership

Joaquim Menezes , EFFRA Chairman

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Roadmap for the Manufacturing Partnership (2021 – 2027)

The scope of our work

- Skills & training
- Integration of new technologies
- Digital
- New technologies = clean technologies
- Sector-specific activities
- Start ups/scale up
- SME’s
- Excellence
- National-regional activities
- Links to other PPP’s at European level
Roadmap Priorities

Excellent, Responsive, & Smart Factories
Roadmap Priorities

Low-Environmental Footprint, Customer-Driven Value Networks
Parallel Product & Manufacturing Engineering
Co-creation through Manufacturing Eco-systems

Roadmap for the Manufacturing Partnership (2021 – 2027)

Competitiveness

Planet

People

Products of the Future
Co-creation through manufacturing eco-systems

- **Excellent, responsive and smart factories**
  - Scalable first-time-right manufacturing
  - Agile and robust manufacturing
- **Zero-environmental impact, customer-driven value networks**
  - Demand and customer-driven manufacturing networks
  - Circular economy (symbiotic manufacturing networks)
- **Parallel product and manufacturing engineering**
  - Concurrent, holistic and collaborative product-service engineering
  - Virtual end-to-end life-cycle engineering from product to production lines, factories and networks
  - Manufacturing smart and complex products
- **Human-driven Innovation**
  - Co-creation in European knowledge networks
  - Human & technology complementarity

Enabling technologies & approaches

- Advanced and smart material processing technologies and process chains
- Smart mechatronic systems, devices and components
- Intelligent and autonomous handling and robotics, assembly and logistic technologies
- De-manufacturing and recycling technologies
- Simulation and modelling (digital twins)
- Robust and secure industrial communication technologies, distributed control architectures
- Data analytics, artificial intelligence and deployment of digital platforms
- New business and new organisational approaches
Factories of the Future Calls 2020 are open

Last FoF calls in Horizon 2020

- **DT-FOF-07-2020**: Reliable and accurate assembly of micro parts
- **DT-FOF-09-2020**: Holistic energy-efficient manufacturing system management
- **DT-FOF-10-2020**: Pilot lines for large-part high-precision manufacturing
- **DT-FOF-11-2020**: Quality control in smart manufacturing
- **ICT-11-2020**: Artificial Intelligence in manufacturing
- **DT-ICT-03-2020**: FoF - I4MS (phase 4) - uptake of digital game changers

[effra.eu/calls-proposals](http://effra.eu/calls-proposals)
Contact us!

info@effra.eu