MISSION AND VISION STATEMENT

The Made in Europe (MiE) partnership is a platform that brings together leading actors from European manufacturing ecosystems to boost them towards global leadership in technology, towards circular industries and flexibility.

Europe has a competitive, green, digital, human-centric manufacturing sector. With reinforced global position in terms of competitiveness, productivity, and technology leadership, Europe ensures excellent solutions, consumer satisfaction, high quality, environmental and social sustainability, and is the leading solution provider in production technology, digitalisation, resource efficiency, and the circular economy. The European workforce develops new skills to address these needs.

As a platform for national and regional manufacturing technology initiatives, creating economies of scale, common understanding, and alignment of objectives, the partnership brings together leading actors from European industrial ecosystems – academia, industry, NGOs, and the public sector. The partnership aims to:

- ensure European leadership and manufacturing excellence
- achieve circular and climate-neutral manufacturing
- master the digital transformation of manufacturing industry
- create attractive, added-value manufacturing jobs.

KEY FACTS AND FIGURES

Horizon Europe Pillar and Cluster: Pillar II – Cluster 4: Digital, industry and space
Type of partnership: Co-programmed
Coordinating entity: European Factories of the Future Research Association (EFFRA)
Total estimated budget: EUR 1.8 bn
EU commitments: Up to EUR 900 m
Partners’ commitments: Up to EUR 900 m
Predecessor under Horizon 2020: Factories of the Future PPP (Factories of the Future | EFFRA)

FIND OUT MORE

https://www.effra.eu/
https://www.linkedin.com/company/effra/
https://twitter.com/EFFRA_Live
info@effra.eu
PARTNERSHIP SPECIFIC IMPACT PATHWAY (PSIP)

MADE IN EUROPE PARTNERSHIP’S VISION:
EUROPE HAS A COMPETITIVE, GREEN, DIGITAL, HUMAN-CENTRIC MANUFACTURING SECTOR

A NEW INDUSTRIAL STRATEGY FOR EUROPE
ENSURE EUROPEAN LEADERSHIP AND MANUFACTURING EXCELLENCE
INCREASED RESILIENCE, FLEXIBILITY AND EFFICIENCY OF VALUE CHAINS
IMPROVED SUPPLY CHAIN RESPONSE-TIME
UPTAKE OF DE/DEFECT AND ZERO-DOWNTIME MANUFACTURING (LOWER SCRAP RATE, LESS TIME NEEDED ON DEFECT IDENTIFICATION & FINISHING)

THE EUROPEAN GREEN DEAL
ACHIEVE CIRCULAR AND CLIMATE-NEUTRAL MANUFACTURING
REDUCED CO₂ EMISSIONS IN MANUFACTURING
UPTAKE OF ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS TOOLS IN MANUFACTURING

EUROPE FIT FOR THE DIGITAL AGE
MASTER THE DIGITAL TRANSFORMATION OF MANUFACTURING INDUSTRY
REDUCED INDUSTRY WASTE AND CONSUMPTION OF RESOURCES & MATERIALS
VIRTUAL END-TO-END LIFE-CYCLE ENGINEERING AND MANUFACTURING

AN ECONOMY THAT WORKS FOR PEOPLE
CREATE ATTRACTIVE ADDED-VALUE MANUFACTURING JOBS
HUMAN-TECHNOLOGY COMPLEMENTARITY AND EXCELLENCE IN MANUFACTURING
COOPERATION WITH OTHER INITIATIVES & PARTNERSHIPS

KNOWLEDGE-SHARING AND NETWORKING ACTIVITIES
SUPPORT AND ENGAGEMENT ACTIVITIES AT NATIONAL AND LOCAL LEVELS
COOPERATION WITH OTHER INITIATIVES & PARTNERSHIPS

GENERAL LEVEL IMPACTS
LINK TO MACRO-LEVEL OBJECTIVES

SPECIFIC LEVEL OUTCOMES

OPERATIONAL LEVEL RESOURCES & ACTIONS
MADE IN EUROPE PARTNERSHIP’S VISION:
EUROPE HAS A COMPETITIVE, GREEN, DIGITAL, HUMAN-CENTRIC MANUFACTURING SECTOR

MADE IN EUROPE RESEARCH & INNOVATION PROJECTS
# PARTNERSHIP’S KEY PERFORMANCE INDICATORS

<table>
<thead>
<tr>
<th>KPI Name</th>
<th>Unit of Measurement</th>
<th>Baseline</th>
<th>Target 2023</th>
<th>Target 2025</th>
<th>Target 2027</th>
<th>Ambition &gt;2027</th>
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<tbody>
<tr>
<td><strong>Resources (Input), Processes and Activities</strong></td>
<td></td>
<td></td>
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<tr>
<td>Knowledge-sharing and networking activities</td>
<td># of activities</td>
<td>0</td>
<td>8</td>
<td>15</td>
<td>25</td>
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<tr>
<td>Support and engagement activities at national and local levels</td>
<td># of activities</td>
<td>0</td>
<td>3</td>
<td>10</td>
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<tr>
<td>Cooperation with other initiatives &amp; partnerships</td>
<td># of activities</td>
<td>0</td>
<td>4</td>
<td>8</td>
<td>16</td>
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<td><strong>Outcomes</strong></td>
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<td></td>
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<tr>
<td>Scrap rate through zero defect and zero downtime manufacturing</td>
<td># of demonstrators with 20% reduction</td>
<td>0</td>
<td>N/A</td>
<td>15</td>
<td>35</td>
<td>50</td>
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<tr>
<td>Time needed for defect identification &amp; finishing</td>
<td>% reduction</td>
<td>N/A</td>
<td>N/A</td>
<td>5%</td>
<td>10%</td>
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<tr>
<td>Uptake of de-manufacturing, re-manufacturing and recycling technologies for more efficient manufacturing</td>
<td># of demonstrators</td>
<td>3</td>
<td>15</td>
<td>35</td>
<td>50</td>
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<tr>
<td>Supply chain response-time</td>
<td># of demonstrators showing reduction of response-time</td>
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<td>15</td>
<td>35</td>
<td>50</td>
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<tr>
<td>Artificial intelligence (AI) and data analytics tools’ uptake</td>
<td># of demonstrators</td>
<td>0</td>
<td>5</td>
<td>15</td>
<td>60</td>
<td>80</td>
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<td>Virtual end-to-end life-cycle engineering and manufacturing</td>
<td># of demonstrators</td>
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<td>10</td>
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<td><strong>Impacts</strong></td>
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<tr>
<td>Human and technology complementarity</td>
<td># of demonstrators</td>
<td>N/A</td>
<td>10</td>
<td>20</td>
<td>30</td>
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<tr>
<td>Manufacturing CO&lt;sub&gt;2&lt;/sub&gt; emissions</td>
<td># of companies showing targeted (60-70%) reduction</td>
<td>1990 levels</td>
<td>at least 70</td>
<td>at least 150</td>
<td>at least 200</td>
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<td>Industrial waste</td>
<td># of companies showing targeted (10-20%) reduction</td>
<td>2020</td>
<td>at least 50</td>
<td>at least 150</td>
<td>at least 250</td>
<td></td>
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</table>
SYNERGIES WITH OTHER EUROPEAN AND NATIONAL INITIATIVES

COOPERATION WITH EIT MANUFACTURING
The European Factories of the Future Research Association (EFFRA) and EIT Manufacturing (supported by European Institute of Innovation and Technology) have been in touch for the past 12 months and elaborated a cooperation framework aiming at higher TRL levels and the exploitation of results. The cooperation is intended to make the support available to industry stakeholders more effective, extending it across entire project cycles and beyond, and the impact from the joint R&I initiatives more significant and lasting.

One of the first results of this cooperation is already visible in the form of the joint Innovate Together call: the collaboration focuses on innovation activities aiming to support tested and demonstrated exploitable results coming out from Factories of the Future projects to accelerate their market deployment.

COOPERATION WITH NATIONAL AND REGIONAL FUNDING AGENCIES
EFFRA is working together with regional funding agencies and other actors to identify synergies and complementarities between MiE and national/regional initiatives and to organise dissemination and awareness-raising activities. The overall aim is to anchor Made in Europe activities at the regional level.

Moreover, EFFRA cooperates with the Vanguard Initiative.

COOPERATION WITH OTHER PARTNERSHIPS
Cooperation with the Photonics and the AI, Data and Robotics partnerships, the Metrology partnership and as well as the KDT partnership is taking place; there are also interactions with other partnerships such as Clean Aviation and 2Zero and others. Although manufacturing is not at the centre of these partnerships, they relate to manufacturing, which is why an analysis of the overlaps between the SRIAs is taking place, including coordination of calls and even the presentation of joint calls.

So far three coordinated calls have been published.
OVERVIEW OF MEMBERS

MEMBERS PER TYPE

- **INDUSTRY**: Other Industrial and/or profit Private organisation
- **UNIVERSITY**: University and other higher education organisations
- **RESEARCH**: Public research organisation (including international research organisation as well as private research organisation controlled by a public authority)
- **PUBLIC**: Research funders, ministeries, regions, cities
- **SMEs**: Small and Medium-sized Enterprises

GEOGRAPHICAL COVERAGE

- **Less than 5 %**
- **From 5 % to 10 %**
- **From 10 % to 20 %**
- **Over 20 %**

Numbers = number of partners in the country

Total number of partners: 201