



EFFRA

EUROPEAN FACTORIES OF THE FUTURE
RESEARCH ASSOCIATION

Giulia Artibani

Director of Communications & Public Affairs

9 October 2025

About EFFRA



The European Factories of the Future Research Association (EFFRA) is an industry-led research organisation driving pioneering advancements in manufacturing technology across Europe. Representing the private sector in the European Union’s “Made in Europe” partnership, EFFRA serves as the collective voice of Europe’s manufacturing community.

Europe as a Global Leader in Manufacturing



EFFRA aims to make Europe the top provider of machinery and equipment and the most attractive region for producing sustainable, high-value goods.

The organisation plays a key role in facilitating collaboration between industry and academia, helping shape future European Commission calls for research and innovation projects.



1000 +
EVENTS

20 +
COUNTRIES
INVOLVED



2.3+ billion Eur
INVESTED IN MANUFACTURING
INNOVATION
(& ONGOING)



400+
PROJECTS
SUPPORTED

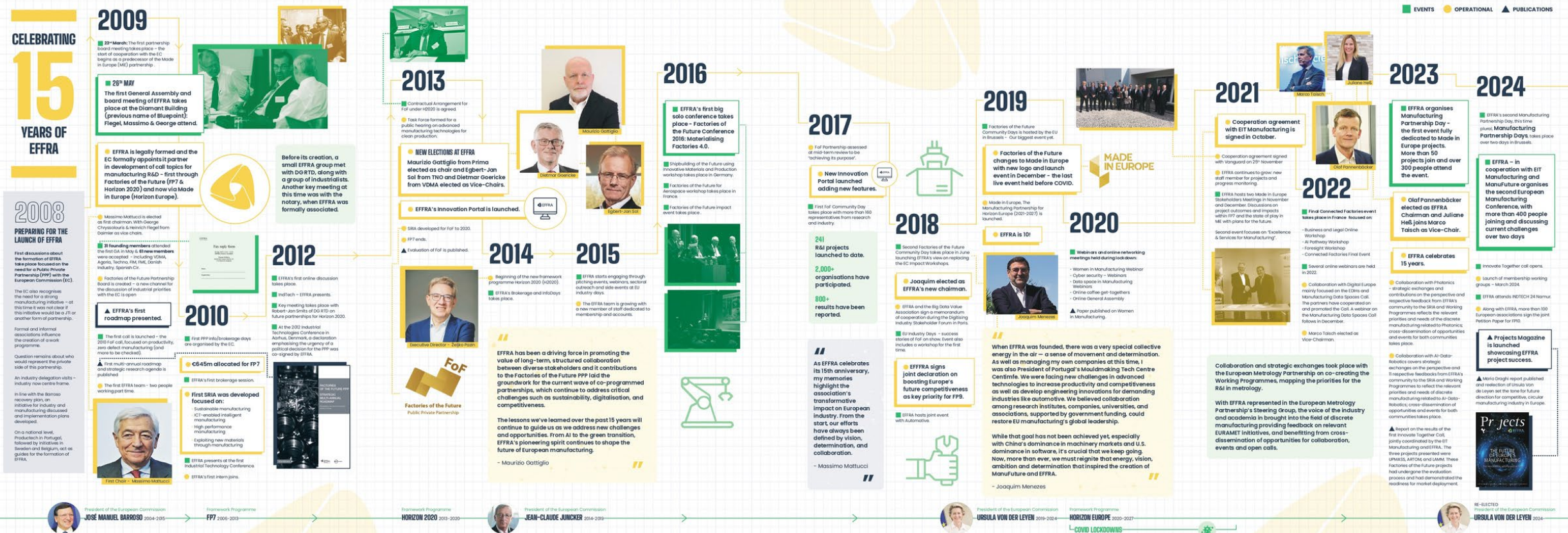
200+
MEMBERS & GROWING



10,000 +
NETWORK



15+ YEARS
COLLABORATION WITH
INDUSTRY & THE EC





**An industry-led research
organisation**



**The Private partner of the Made
in Europe Partnership with the EC**

WHAT we do



**Stakeholder
Engagement**



Input Collection



Dissemination



**Community
Building**



Last 12 months in a nutshell



38.6k Emails sent
32 Campaigns



50+ EFFRA participation
7 Events organised by EFFRA



2 joint Papers
4 Papers on going



58,510 Impressions
+ 33 % Followers



14+ New members
10000 + Networks



6 WGs
200 + Participants
20+ meetings

Working Groups

- WG1: Productive and flexible manufacturing
- WG2: Circularity; re-manufacturing; circular products
- WG3: Humans in the workplace. How jobs are changing
- WG4: Manufacturing needs of the energy sectors
- WG5: Manufacturing needs of the transport sectors
- WG6: Exploitation of research results



Events

- European Manufacturing Conference (September 27-28, 2022)
- Made in Europe Brokerage & Pitching 2022 (October 25, 2022)
- Webinar on Manufacturing Data Spaces Call (December 7, 2022)
- Workshops with the Made in Europe Projects (Nov. - Dec. 2022)
- Made in Europe Brokerage & Pitching 2023 (June 27, 2023)
- ConnectedFactories Final Event (November 23, 2023)
- Collaboration with Science I Business – articles on Collaborative Robotics, Connected Factories, MiE WP 2025-27 Public Consultations
- Webinars and Open Consultation on Made in Europe WP 2025-27 (May - September 2023)
- Manufacturing Partnership Day (September 26, 2023)
- Manufacturing Partnership Days (May 6-7, 2024)
- 2nd European Manufacturing Conference (September 24-25, 2024)
- EFFRA General Assembly (March 25, 2025)
- Science I Business – articles on Collaborative Robotics, Connected Factories, MiE WP 2025-27 Public Consultations
- Webinars and Open Consultation on Made in Europe WP 2025-27 (May - September 2023)
- Manufacturing Partnership Day (September 26, 2023)
- Manufacturing Partnership Days (May 6-7, 2024)
- 2nd European Manufacturing Conference (September 24-25, 2024)
- EFFRA General Assembly (March 25, 2025)

- Made in Europe Partnership Days – 20/21/22 October
- European Manufacturing Conference – 16/September



Where Europe's manufacturing innovators meet to shape the future, turning research into real industrial impact.

- 3rd edition of the Manufacturing Partnership Days – more than 250 registrants
- featuring 32 project booths, 6 panel discussions, and over 40 project presentations.
- Bringing together industry, research, and policy
- Focused on shaping the future of European manufacturing



Dear Giulia,

In this edition, we spotlight the key developments driving the future of European manufacturing. From impactful EFFRA Board meetings to important EU policy updates and the launch of Horizon Europe's 2025 Work Programme, there's much to explore.

The recent announcement of a standalone Framework Programme 10 has captured EFFRA's attention, aligning closely with our longstanding call to better integrate research and innovation policy with industrial competitiveness. The focus on strategic value chains, advanced manufacturing, and innovation ecosystems directly supports the goals of the Made in Europe initiative.

As May comes to a close, EFFRA looks forward to kicking off June in Poland! Joining forces at IndTech and the EU Industry Days. We hope to see you there!

Looking ahead, don't miss your chance to register for the 2025 Manufacturing Partnership Days, discover new funding opportunities, and contribute to shaping Framework Programme 10.

Scroll down for the latest updates, exciting opportunities, and insights from across the EFFRA community.

EFFRA Highlights

EFFRA Board of Directors Meets in Finland: Strategic Focus and Inspiring Visits



The EFFRA Board of Directors gathered in Finland, warmly hosted by VTT, for an engaging and forward-looking meeting. Discussions covered political impacts on markets and supply chains, dual-use technology needs, skills shortages, and future R&D priorities. We also set clear targets for EFFRA's influencing efforts and thematic working groups.

We were pleased to visit **Konecranes** in Hyvinkää, where we learned about their impressive C70M **Zero4** RM programme, focused on seamless material flow and intralogistics optimisation.

The visit concluded with a tour of VTT's **50-qubit quantum computer**, developed with IQM, a powerful example of cutting-edge European technology.

EFFRA General Assembly - Minutes of the meeting



With Horizon Europe ending in 2027, planning for Framework Programme 10 (FP10) is beginning. EFFRA is gathering feedback to refine its positions and engage with EU institutions, national governments, and stakeholders.

We invite you to take 15 minutes to share your views on key topics like funding for manufacturing research, the partnership model, and thematic priorities. You can answer as many or as few of the 11 questions as you like.

Your input is crucial in securing strong EU support for manufacturing innovation. Thank you for contributing!

[Start the Survey](#)

Events

EUIndTech2025 – Save the date: 2-4 June 2025 Kraków



EUIndTech2025
2-4 June 2025 Kraków Poland

EUIndTech2025 will take place from 2 to 4 June 2025 in Kraków, Poland. Organised under the Polish presidency of the EU, this gathering will continue the legacy of its predecessors—the Conference on Industrial Technologies (IndTech) and the Euro Nano Forum.

[Read More](#)

The Manufacturing Performance Days (MPD) 2025: 4-5 June, Tampere



Manufacturing Performance Days 2025 returns to Tampere, Finland, exploring how AI is transforming manufacturing. Join industry leaders, researchers, and innovators for keynotes, workshops, and networking. Don't miss Northern Europe's top tech summit, more info coming soon!

[Read More](#)

- EFFRA Update - Monthly
- Made in Europe Community Newsletter



WELCOME

Celebrating

fifteen years

of manufacturing innovation

A Journey of progress, resilience, and collaboration



EFFRA Executive Director
Željko Pazin

THE JOURNEY

Fifteen years mark a significant milestone, and it is with great pride that we present this special publication celebrating the journey of the European Factories of the Future Research Association (EFFRA). Over the past decade and a half, EFFRA has been instrumental in shaping the European manufacturing innovation landscape, ensuring that manufacturing remains firmly on the policy and innovation agenda.

From one Framework Programme to the next, our passion for advancing manufacturing innovation has only deepened. We have tirelessly advocated for the sector, emphasising its critical role in economic resilience and societal well-being.

Over the years, EFFRA has established itself as a trusted facilitator, bringing together perspectives from industry and research to foster collaboration, accelerate innovation and address the pressing challenges of our time.

This publication is not only a reflection on EFFRA's history but also a celebration of the vibrant, diverse and resilient European manufacturing community. It brings together voices from across the ecosystem, exploring topics as varied as remanufacturing, artificial intelligence, the role of youth and skills in manufacturing and the global context. Through interviews, analysis and reflection, this collection highlights how we are collectively adapting to an increasingly demanding and fast-changing world.

EFFRA's impact goes beyond policy and research advocacy. Over the years, we have organised countless events that have brought together thousands of people – fostering connections, sharing knowledge and inspiring innovation. Even in difficult times, such as during the COVID-19 pandemic, we adapted to the needs of our community by pivoting to online events and ensuring the continuity of dialogue and collaboration.

As you explore this publication, you will find a rich timeline of achievements, insights into our shared history, and, most importantly, forward-looking perspectives that highlight the opportunities ahead.

Above all, this is a celebration of the power of partnership and collaboration. It is through working together that we can ensure European manufacturing continues to thrive and evolve, meeting the challenges of today and shaping a sustainable future.

Thank you for being part of this journey. Together, we honour 15 years of progress and look forward to an even brighter future for manufacturing innovation.

THE FUTURE

As AI advancements continue to unfold across all sectors, European manufacturing stands at a critical crossroads. Riikka Virkkunen, Professor of Practice at VTT Technical Research Centre of Finland, EFFRA board member and co-chair of the Made in Europe and the previous factories of the future partnership boards, believes digital transformation, particularly that which uses the power of this advancing AI, is essential to Europe's industrial resilience.

It is particularly in her work with EFFRA and at VTT that Riikka aims to address and remedy the main challenges with using AI in industry, first with the need for digital collaboration if necessary, as she believes this will help stop European manufacturing from being ground to competing markets.

digital platforms have become vital. According to Riikka, EFFRA promotes cross-industry data sharing and open platforms to boost productivity and innovation. "Our goals for Europe, if we consider the digital methods and the manufacturing sector, are that there are huge challenges we need to solve and we need to show the sector that there are solutions that can work and can be trusted."

She proposes that, for manufacturers, the goal is not just productivity but also flexibility and resilience, particularly in companies content with viable markets and a growing demand and need for sustainable solutions.

"Data platforms are very important. Without sharing the data, you limit yourself to working within just your company's means. It provides a base to build upon, so you need to

WELCOME

Embrace AI and European manufacturing will thrive on the global stage

Professor Riikka Virkkunen discusses how AI, data-driven collaboration, and innovation are key to building a resilient and competitive European manufacturing sector, with EFFRA leading the way in closing the gap.

THE JOURNEY

As AI advancements continue to unfold across all sectors, European manufacturing stands at a critical crossroads. Riikka Virkkunen, Professor of Practice at VTT Technical Research Centre of Finland, EFFRA board member and co-chair of the Made in Europe and the previous factories of the future partnership boards, believes digital transformation, particularly that which uses the power of this advancing AI, is essential to Europe's industrial resilience.

It is particularly in her work with EFFRA and at VTT that Riikka aims to address and remedy the main challenges with using AI in industry, first with the need for digital collaboration if necessary, as she believes this will help stop European manufacturing from being ground to competing markets.

digital platforms have become vital. According to Riikka, EFFRA promotes cross-industry data sharing and open platforms to boost productivity and innovation. "Our goals for Europe, if we consider the digital methods and the manufacturing sector, are that there are huge challenges we need to solve and we need to show the sector that there are solutions that can work and can be trusted."

She proposes that, for manufacturers, the goal is not just productivity but also flexibility and resilience, particularly in companies content with viable markets and a growing demand and need for sustainable solutions.

"Data platforms are very important. Without sharing the data, you limit yourself to working within just your company's means. It provides a base to build upon, so you need to

THE FUTURE

As Europe navigates an evolving industrial landscape, the issue of reindustrialisation emerges as a critical point of discussion. For leaders like Olaf Pannenberg, Continental's former VP of Operations, who also serves as Chairman of EFFRA, this conversation is both pressing and complex. In this exclusive interview, he offers an insightful look into why Europe must rethink its approach to manufacturing and the importance of securing the continent's industrial future.

WELCOME

Reclaiming Europe's industrial future: Strategic reindustrialisation and autonomy

Olaf Pannenberg discusses how AI, data-driven collaboration, and innovation are key to building a resilient and competitive European manufacturing sector, with EFFRA leading the way in closing the gap.

THE JOURNEY

Reindustrialisation has become a critical strategy for Europe as it confronts a new industrial era shaped by digital technologies, global competition, and environmental imperatives. The aim of the strategy is an ambitious one – to strengthen the continent's industrial base by reestablishing domestic manufacturing, bolstering supply chains, and leading the green transition. EFFRA stands at the forefront of this movement, advocating for advanced manufacturing technologies and research-driven innovation to drive this new industrial age in Europe.

"We're consistently discussing with EFFRA members the importance of reindustrialising value within Europe," says Olaf Pannenberg, VP of operations at Continental and EFFRA Chairman, as he considers this new industrial age. This question of value retention, it seems, isn't merely philosophical – it's a central factor in Europe's economic stability. But at the heart of the issue lies the reality of large companies, maintaining value within Europe has proven difficult, with production drifting to non-EU European nations and beyond.

"Our own internal surveys show that around 15 per cent of production has moved out of Europe over the last seven years," he says, reflecting on the strategic shift toward producing closer to consumer markets as a key factor. "For instance, manufacturing in China for the Chinese market just makes sense, but that also means European production faces increased challenges."

This trend is echoed across the broader industrial sector impacting not only large multinationals but the network of smaller suppliers they rely on. "It's like a domino effect on industrial price and capacity," he continues, adding that it's largely driven by cost considerations. "The automotive industry, for example, is extremely price sensitive, and decisions are often made based on immediate savings rather than long-term impacts."

However, the viability of continually shifting production eastward within Europe is diminishing. "We're seeing digital shift safety growth towards regions like Hungary, whereas in Germany, France, and the UK, those increases are relatively modest," he explains. As the cost gap widens, the logic behind eastward production migration weakens, which may prompt a reevaluation of older strategies that led production out of core EU markets.

Even with shifting cost dynamics, bringing production back to Europe raises many financial challenges. "Strategic reindustrialisation is certainly costly," he admits. However, there are scenarios where the investment could be justified. "When we look at the carbon footprint analysis of Continental, for example, we find that emissions from our factories are only a small part of the picture. A significant chunk comes from transporting components. Sourcing locally, despite the higher price tag, could lower emissions and drive our environmental footprint."

This green imperative dovetails with a broader European shift towards sustainability, but for reindustrialisation to become financially viable, Europe's economic models may need to adapt, offering incentives that encourage local production. "We need public-private partnerships, and that's where EFFRA plays an essential role," Olaf says. "EFFRA facilitates large, cross-industry projects that allow companies to work on solutions in partnership with the European Commission, developing funding frameworks for longer-term impact."

THE FUTURE

As Europe navigates an evolving industrial landscape, the issue of reindustrialisation emerges as a critical point of discussion. For leaders like Olaf Pannenberg, Continental's former VP of Operations, who also serves as Chairman of EFFRA, this conversation is both pressing and complex. In this exclusive interview, he offers an insightful look into why Europe must rethink its approach to manufacturing and the importance of securing the continent's industrial future.

WELCOME

Embrace AI and European manufacturing will thrive on the global stage

Professor Riikka Virkkunen discusses how AI, data-driven collaboration, and innovation are key to building a resilient and competitive European manufacturing sector, with EFFRA leading the way in closing the gap.

THE JOURNEY

As AI advancements continue to unfold across all sectors, European manufacturing stands at a critical crossroads. Riikka Virkkunen, Professor of Practice at VTT Technical Research Centre of Finland, EFFRA board member and co-chair of the Made in Europe and the previous factories of the future partnership boards, believes digital transformation, particularly that which uses the power of this advancing AI, is essential to Europe's industrial resilience.

It is particularly in her work with EFFRA and at VTT that Riikka aims to address and remedy the main challenges with using AI in industry, first with the need for digital collaboration if necessary, as she believes this will help stop European manufacturing from being ground to competing markets.

digital platforms have become vital. According to Riikka, EFFRA promotes cross-industry data sharing and open platforms to boost productivity and innovation. "Our goals for Europe, if we consider the digital methods and the manufacturing sector, are that there are huge challenges we need to solve and we need to show the sector that there are solutions that can work and can be trusted."

She proposes that, for manufacturers, the goal is not just productivity but also flexibility and resilience, particularly in companies content with viable markets and a growing demand and need for sustainable solutions.

"Data platforms are very important. Without sharing the data, you limit yourself to working within just your company's means. It provides a base to build upon, so you need to

THE FUTURE

As Europe navigates an evolving industrial landscape, the issue of reindustrialisation emerges as a critical point of discussion. For leaders like Olaf Pannenberg, Continental's former VP of Operations, who also serves as Chairman of EFFRA, this conversation is both pressing and complex. In this exclusive interview, he offers an insightful look into why Europe must rethink its approach to manufacturing and the importance of securing the continent's industrial future.

WELCOME

Reclaiming Europe's industrial future: Strategic reindustrialisation and autonomy

Olaf Pannenberg discusses how AI, data-driven collaboration, and innovation are key to building a resilient and competitive European manufacturing sector, with EFFRA leading the way in closing the gap.

THE JOURNEY

Reindustrialisation has become a critical strategy for Europe as it confronts a new industrial era shaped by digital technologies, global competition, and environmental imperatives. The aim of the strategy is an ambitious one – to strengthen the continent's industrial base by reestablishing domestic manufacturing, bolstering supply chains, and leading the green transition. EFFRA stands at the forefront of this movement, advocating for advanced manufacturing technologies and research-driven innovation to drive this new industrial age in Europe.

"We're consistently discussing with EFFRA members the importance of reindustrialising value within Europe," says Olaf Pannenberg, VP of operations at Continental and EFFRA Chairman, as he considers this new industrial age. This question of value retention, it seems, isn't merely philosophical – it's a central factor in Europe's economic stability. But at the heart of the issue lies the reality of large companies, maintaining value within Europe has proven difficult, with production drifting to non-EU European nations and beyond.

"Our own internal surveys show that around 15 per cent of production has moved out of Europe over the last seven years," he says, reflecting on the strategic shift toward producing closer to consumer markets as a key factor. "For instance, manufacturing in China for the Chinese market just makes sense, but that also means European production faces increased challenges."

This trend is echoed across the broader industrial sector impacting not only large multinationals but the network of smaller suppliers they rely on. "It's like a domino effect on industrial price and capacity," he continues, adding that it's largely driven by cost considerations. "The automotive industry, for example, is extremely price sensitive, and decisions are often made based on immediate savings rather than long-term impacts."

However, the viability of continually shifting production eastward within Europe is diminishing. "We're seeing digital shift safety growth towards regions like Hungary, whereas in Germany, France, and the UK, those increases are relatively modest," he explains. As the cost gap widens, the logic behind eastward production migration weakens, which may prompt a reevaluation of older strategies that led production out of core EU markets.

Even with shifting cost dynamics, bringing production back to Europe raises many financial challenges. "Strategic reindustrialisation is certainly costly," he admits. However, there are scenarios where the investment could be justified. "When we look at the carbon footprint analysis of Continental, for example, we find that emissions from our factories are only a small part of the picture. A significant chunk comes from transporting components. Sourcing locally, despite the higher price tag, could lower emissions and drive our environmental footprint."

This green imperative dovetails with a broader European shift towards sustainability, but for reindustrialisation to become financially viable, Europe's economic models may need to adapt, offering incentives that encourage local production. "We need public-private partnerships, and that's where EFFRA plays an essential role," Olaf says. "EFFRA facilitates large, cross-industry projects that allow companies to work on solutions in partnership with the European Commission, developing funding frameworks for longer-term impact."

THE FUTURE

As Europe navigates an evolving industrial landscape, the issue of reindustrialisation emerges as a critical point of discussion. For leaders like Olaf Pannenberg, Continental's former VP of Operations, who also serves as Chairman of EFFRA, this conversation is both pressing and complex. In this exclusive interview, he offers an insightful look into why Europe must rethink its approach to manufacturing and the importance of securing the continent's industrial future.

WELCOME

Reclaiming Europe's industrial future: Strategic reindustrialisation and autonomy

Olaf Pannenberg discusses how AI, data-driven collaboration, and innovation are key to building a resilient and competitive European manufacturing sector, with EFFRA leading the way in closing the gap.

THE JOURNEY

Reindustrialisation has become a critical strategy for Europe as it confronts a new industrial era shaped by digital technologies, global competition, and environmental imperatives. The aim of the strategy is an ambitious one – to strengthen the continent's industrial base by reestablishing domestic manufacturing, bolstering supply chains, and leading the green transition. EFFRA stands at the forefront of this movement, advocating for advanced manufacturing technologies and research-driven innovation to drive this new industrial age in Europe.

"We're consistently discussing with EFFRA members the importance of reindustrialising value within Europe," says Olaf Pannenberg, VP of operations at Continental and EFFRA Chairman, as he considers this new industrial age. This question of value retention, it seems, isn't merely philosophical – it's a central factor in Europe's economic stability. But at the heart of the issue lies the reality of large companies, maintaining value within Europe has proven difficult, with production drifting to non-EU European nations and beyond.

"Our own internal surveys show that around 15 per cent of production has moved out of Europe over the last seven years," he says, reflecting on the strategic shift toward producing closer to consumer markets as a key factor. "For instance, manufacturing in China for the Chinese market just makes sense, but that also means European production faces increased challenges."

This trend is echoed across the broader industrial sector impacting not only large multinationals but the network of smaller suppliers they rely on. "It's like a domino effect on industrial price and capacity," he continues, adding that it's largely driven by cost considerations. "The automotive industry, for example, is extremely price sensitive, and decisions are often made based on immediate savings rather than long-term impacts."

However, the viability of continually shifting production eastward within Europe is diminishing. "We're seeing digital shift safety growth towards regions like Hungary, whereas in Germany, France, and the UK, those increases are relatively modest," he explains. As the cost gap widens, the logic behind eastward production migration weakens, which may prompt a reevaluation of older strategies that led production out of core EU markets.

Even with shifting cost dynamics, bringing production back to Europe raises many financial challenges. "Strategic reindustrialisation is certainly costly," he admits. However, there are scenarios where the investment could be justified. "When we look at the carbon footprint analysis of Continental, for example, we find that emissions from our factories are only a small part of the picture. A significant chunk comes from transporting components. Sourcing locally, despite the higher price tag, could lower emissions and drive our environmental footprint."

This green imperative dovetails with a broader European shift towards sustainability, but for reindustrialisation to become financially viable, Europe's economic models may need to adapt, offering incentives that encourage local production. "We need public-private partnerships, and that's where EFFRA plays an essential role," Olaf says. "EFFRA facilitates large, cross-industry projects that allow companies to work on solutions in partnership with the European Commission, developing funding frameworks for longer-term impact."

THE FUTURE

As Europe navigates an evolving industrial landscape, the issue of reindustrialisation emerges as a critical point of discussion. For leaders like Olaf Pannenberg, Continental's former VP of Operations, who also serves as Chairman of EFFRA, this conversation is both pressing and complex. In this exclusive interview, he offers an insightful look into why Europe must rethink its approach to manufacturing and the importance of securing the continent's industrial future.



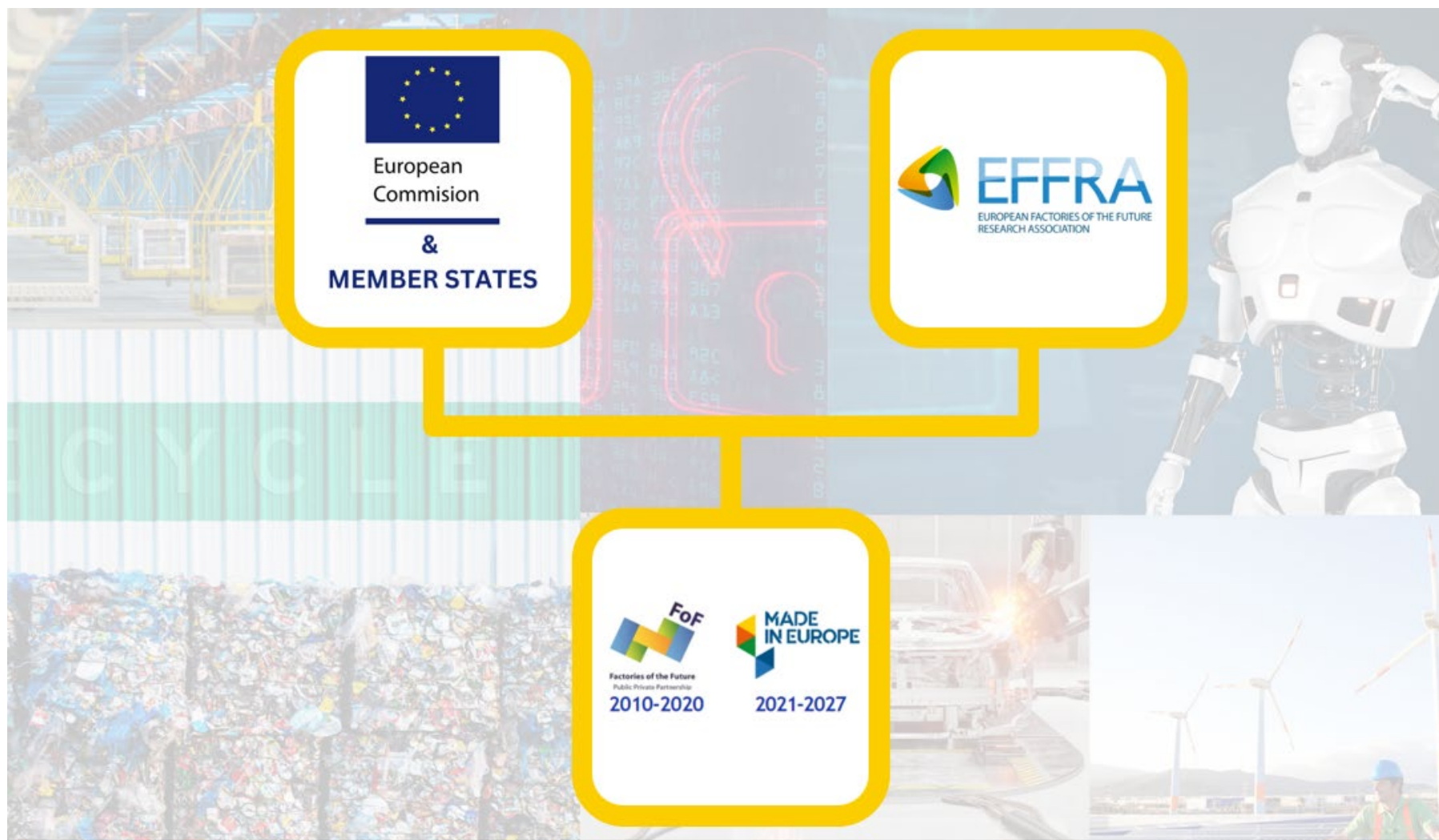
Succeeds the Factories of the Future Partnership, created under Horizon 2020.

Under Horizon Europe, with a budget of around €1 billion, the Partnership was established in 2021 upon the signing of the MoU by EFFRA with the European Commission, aiming to steer the development of manufacturing in Europe towards a future industry base that is more resilient, sustainable, and digital.

The Made in Europe Partnership

NEXUS
WHERE NAVARRA
MEETS EUROPE

ADIttech
COORDINADOR SINAI
Sistema Navarro de I+D+i



The Made in Europe Partnership Storyline



MiE Specific Objectives

01

**Excellent, responsive
and smart factories &
supply chains**

02

**Circular products &
Climate-neutral
manufacturing**

03

**New integrated
business, product-
service and production
approaches;
new use models**

04

**Human-centered and
human-driven
manufacturing
innovation**

LET'S SHAPE THE FUTURE OF
MANUFACTURING TOGETHER!

The Made in Europe Partnership

Year	Total cost M€	EU contribution M€
2021	214.9	179.6
2022	170.8	158.8
2023	141.0	132.8
2024	73.5	73.1
TOTAL	600.2	544.3

EU funding: 900 mln E

95 Projects launched under calls 2021-24.

EU funding per project increased steadily starting with “Factories of the Future” and reached €6.8 mln

29 Projects under completion in 2025

The Made in Europe OUTCOMES

- 23 demonstrators on the reduction of scrap rate through zero defect & zero downtime manufacturing
- 23 demonstrators on the reduction of time needed for defect identification & finishing
- 19 demonstrators on uptake of de-manufacturing, re-manufacturing, and recycling technologies for more efficient manufacturing
- 23 demonstrators on reducing the supply chain response time
- 54 demonstrators on AI and data analytics tools' uptake
- 26 demonstrators on virtual end-to-end life-cycle engineering and manufacturing
- 42 demonstrators showcasing an increased uptake of green manufacturing

*complying with at least one of the following criteria:

10-25% less material use;

10-25% less energy use;

15-30% less water;

20-30% less industrial waste;

35% of renewable energy

- 23 demonstrators targeting supply chain innovations
- 28 demonstrators on smart products' and complex products' production

The Made in Europe IMPACTS



- **32 demonstrators** showcasing the realisation of **new resilient value chains**
*including interoperability, platforms, reshoring success stories, diversification cases etc.
- **24 demonstrators** showcasing the realisation of **new innovative circular value chains**
- **31 demonstrators** showcasing **the human and technology complementarity**
- **15 demonstrators** targeting the training of **the workforce in new technologies**
- **31 demonstrators** showcasing **digital platforms and engineering tools** supporting creativity and productivity of R&D processes
- Impact KPIs on Reduction of CO2 Emissions and of Industrial Waste

The Made in Europe 2025 overview of the competition



TOPIC ID	TOPIC TITLE	TYPE	n.				
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-01	Integrated approaches for remanufacturing (Made in Europe Partnership) (IA) 6 projects will be funded 5.00 - 7.00 million; total 35.00 million	IA	80	HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-01	Integrated approaches for remanufacturing (Made in Europe Partnership) (IA) 6 projects will be funded 5.00 - 7.00 million; total 35.00 million	IA	80
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-02	Physical and cognitive augmentation in advanced manufacturing (Made in Europe Partnership) (RIA) 7 project will be funded with 4.00-6.00 millions; total 35.00	RIA	94	HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-02	Physical and cognitive augmentation in advanced manufacturing (Made in Europe Partnership) (RIA) 7 project will be funded with 4.00-6.00 millions; total 35.00	RIA	94
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-05	Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry (Made in Europe Partnership) (IA) 6 will be funded (6 projects will be funded with 5.00-7.00; total 42million);	IA	64	HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-05	Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry (Made in Europe Partnership) (IA) 6 will be funded (6 projects will be funded with 5.00-7.00; total 42million);	IA	64
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-31	From heat-driven processes to the use of mechanical and electric forces (Processes4Planet Partnership) (IA)	IA	13				
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-32	Green and resilient flexible production processes (Processes4Planet Partnership) (IA)	IA	19				
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-33	Integrated use of renewable energy carriers in industrial sites (Processes4Planet Partnership) (RIA)	RIA	35				
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-34	Smart integration of net zero technologies into Energy Intensive industries (Processes4Planet and Made in Europe Partnerships) (IA) (3 projects with 5.00-9.00 million; total 25.00 million)	IA	12	HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-34	Smart integration of net zero technologies into Energy Intensive industries (Processes4Planet and Made in Europe Partnerships) (IA) (3 projects with 5.00-9.00 million; total 25.00 million)	IA	12
TWIN-TRANSITION-36	Safe and clean processing technologies and products (Processes4Planet Partnership) (RIA)	RIA	25				
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-37	Solving issues in carbon-neutral iron and steel making processes with diverse input materials of varying quality (Clean Steel Partnership) (RIA)	RIA	22				
HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-38	Synergies and mutual learning with national and regional initiatives in Europe on Industrial decarbonisation (Processes4Planet and Clean Steel Partnerships) (CSA)	CSA	1				

The Made in Europe topic 2026 - 2027

2026 CALLS

Destination: Leadership in materials and production for Europe - One-stage calls

Opening: 06 Jan 2026

Deadline: 21 Apr 2026

HORIZON-CL4-2026-01-M-P-01: Advanced manufacturing for key products (IA)
(**Made in Europe partnership**) - Innovation Action
37.50 million - 6 projects with 6.00 to 8.00 million

HORIZON-CL4-2026-01-M-P-05: Circular innovative advanced materials: facilitating the transition from design to markets (RIA) (Innovative Advanced Materials for the EU and **Made in Europe partnerships**)
37.50 million - 7 projects with 5.00 to 6.50 million

HORIZON-CL4-2026-01-M-P-48: 'Proof of market' to improve valorisation and commercialisation of Horizon-generated R&I results (IA)
5.00 million - 20 projects with around 200.000 Euros

Destination: Achieving open strategic autonomy in digital and emerging enabling technologies - Two-stage calls

Opening: 16 Dec 2025

Deadline(s): 17 Mar 2026 (First Stage), 13 Oct 2026 (Second Stage)

HORIZON-CL4-2026-02-DIGITAL-EMERGING-51: AI improved advanced manufacturing and production processes in factories (RIA) (Made in Europe and AI, Data, and Robotics partnerships)
30 Million - 5 projects with 4.00 to 6.00 million

2027 Calls:

Destination: Leadership in materials and production for Europe - One-stage

Opening: 22 Sep 2026

Deadline(s): 02 Feb 2027

HORIZON-CL4-2027-01-M-P-02: Advanced manufacturing for key products (IA)
(**Made in Europe partnership**)
36.00 million - 6 projects with 6.00 to 8.00 million

HORIZON-CL4-2027-01-M-P-03: Factory processes and automation for de- and re-manufacturing (RIA) (**Made in Europe partnership**)
36.00 million - 6 projects with 5.00 to 6.50 million

HORIZON-CL4-2027-01-M-P-06: Circular innovative advanced materials: facilitating the transition from design to markets (RIA) (Innovative Advanced Materials for the EU and **Made in Europe partnerships**)
36.00 million - 7 projects with 5.00 to 6.50 million

Destination: Achieving open strategic autonomy in digital and emerging enabling technologies - Two-stage

Opening: 22 Sep 2026

Deadline(s): 02 Feb 2027 (First Stage)

02 Sep 2027 (Second Stage)

HORIZON-CL4-2027-02-DIGITAL-EMERGING-52: New approaches for Human/AI collaboration for the workforce of the future (RIA) (**Made in Europe** and AI, Data and Robotics partnerships)
30.00 million - 5 projects with 4.00 to 6.00 million



EFFRA

EUROPEAN FACTORIES OF THE FUTURE
RESEARCH ASSOCIATION

THANK YOU! Giulia Artibani

Director of Communications & Public Affairs

9 October 2025