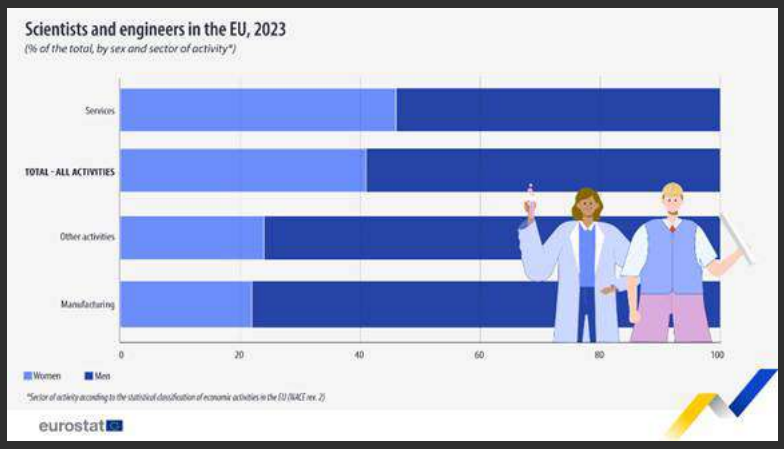
7.7 million female scientists and engineers in the EU

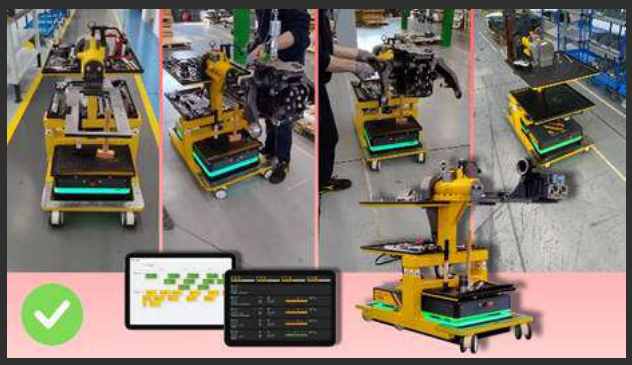
Across all economic activities present in the statistical classification of economic activities in the EU (NACE rev. 2), women represented 41.0% of the scientists and engineers workforce. This share was higher in services-related activities at 45.6%. In manufacturing, women represented 22.4% of scientists and engineers, while in other activities that share was 23.9%.



To support Women in Sciences & technologies and provide examples of success stories to the younger generation, EARASHI is very pleased to promote the TALOS project selected during the 2nd open call, involving the 2 companies Eureka System and Elif lab, led by Valentina Passarella and Paola Bonesu resp.

The TALOS project tackles one of the main challenges in the recent European manufacturing industry, specifically the increasing demand for assembling small batches of similar products with varying processing requirements. TALOS aims to transform traditional manual assembly lines into dynamic, flexible working environments that serve the worker through a double approach:

- firstly, replacing traditional workstations with mobile workbenches operated by a fleet of Autonomous Mobile Robots – Eureka System's Helko – leveraging its patented mechanical hook system.
- Secondly, optimizing production tasks, robotic fleet movements, and overall workflows through advanced algorithms and AI that learn from operational data and continuously refine parameters to improve task allocation, timing, and workload balancing, enabling the creation of a dynamic line setup.



Thanks to the innovative combination of advanced mobile robotics, real-time data analysis, and optimization and planning algorithms, TALOS is the ideal solution to address the challenges of manufacturing companies operating in high-mix, low-volume production, plants aiming to transition from linear to modular setups, and manufacturers currently managing manual, disconnected processes without MES/SCADA systems.

TALOS enables the creation of a work environment in which it is no longer the worker who must adapt to the needs of the assembly line because the flexible element is inherent in the technological set-up.

This innovative approach can relieve operators from the micro-planning work and the wearisome chasing of fast and extremely changeable production needs, thus reducing work-related stress and improving ergonomics.
Thanks to EARASHI, TALOS has been introduced into the assembly line of a first customer, who is currently testing the benefits of the solution by applying it to the automotive sector.

“The pilot project within Mita Oleodinamica S.p.A. represents a fundamental step in validating the flexibility and scalability of TALOS in a real manufacturing setting,” says Valentina Passarella."With TALOS, we apply the advantages of artificial intelligence and robotics to rapidly evolving manufacturing environments that require solutions capable of adapting in real time to changing scenarios,” explains Paola Bonesu.

“HELKO, the AMR at the core of the TALOS project, is now an established technology within Eureka System. Its development marks a strategic evolution for us, as we move from system integrators to OEM developers of flexible robotics,” adds Valentina Passarella.

“We truly believe that technology should adapt to people, not the other way around.

That's why we designed TALOS with Elif Lab to support operators of all profiles — regardless of gender, physical characteristics, or level of experience — by reducing physical strain, improving ergonomics, and relieving cognitive overload through intelligent automation.

EARASHI has played a key role in accelerating this transition, allowing us to test and refine HELKO in a real industrial context and prepare it for broader adoption in dynamic production environments."

"As women working daily with new technologies, we see in EARASHI an opportunity for technological progress, but a mean to promote also a cultural shift in manufacturing: one where diversity is embraced and innovation serves people first," says Valentina Passarella.

"Our aim is to ensure maximum operational efficiency while respecting workers' skills and improving their well-being and their access to new technological assets. In this sense, EARASHI represents a great opportunity to bring together different areas of expertise," concludes Paola Bonesu.

View this email in your browser

EARASHI NEWSLETTER JULY 2025

AI, Jobs & Automation – Who Wins, Who Loses, and What's Next? Conference at EMO Hannover

Special session at EMO Hannover 2025, organise by EARASHI, JARVIS CECIMO.

The manufacturing world is evolving faster than ever. As artificial intelligence, automation, and robotics rapidly redefine the industrial landscape, critical questions emerge:

- What happens to the human workforce?
- Who stands to benefit—and who risks being left behind?
- How can industries, workers, and governments adapt to stay ahead?

This special session—"AI, Jobs & Automation – Who Wins, Who Loses, and What's Next?"—brings together leading voices at the intersection of technology, industry, and policy to unpack these questions. Organized by two cutting-edge European initiatives—EARASHI and JARVIS—this event explores the implications of AI-driven transformation in manufacturing and what it means for workers, businesses, and society.

Session Overview
This 60-minute session is designed to spark meaningful dialogue and offer actionable insight. The format includes:

Welcome & Opening Remarks
A brief introduction to the EARASHI and JARVIS projects, each focused on advancing human-centered, resilient, and smart manufacturing through innovation and European collaboration.

Expert Talks
Hear from leading researchers and project coordinators on the latest developments in AI applications for manufacturing, including the challenges of workforce integration and policy impact.

Panel Discussion
A moderated, interactive discussion featuring thought leaders from:

- Industry (AI and automation experts, manufacturers, SMEs)
- Academia (researchers in labor studies, human-machine interaction)
- Public Policy (EU innovation agencies, workforce development authorities)

FIND OUT MORE **HERE**

Upcoming FSTP (Financial Support to Third party) calls

https://www.magician-project.eu/	**Promoting a sustainable transition towards human-robot collaboration in manufacturing** **Open call opportunity** to foster innovation in robotics and automation: integration of new functionalities into the MAGICIAN project's robotic solutions, with a focus on enhancing the capabilities of the SR and CR. **We are particularly interested** in **1)** Advanced defect detection algorithms; **2)** Efficient rework techniques; **3)** Complementary AI modules for real-time optimization.

Open call 2 information

- ***Application Period***: ill open in December 2025.
- ***Eligibility:*** SME or Start-up from EU member states or Horizon Europe associated countries.
- ***Funding***: Five selected projects will receive €200,000 each for the development and integration of the proposed functionalities.

MAGICIAN Open Call 2 will target the *Experiment and expansion of the Use-Cases of the MAGICIAN prototype and the extension of the functionalities to new and complementary fields of application towards new Use-Cases.*
https://www.magician-project.eu/resources-findings-2/

https://airise.eu/	**AI for manufacturing Solutions for your manufacturing environment** **Open calls** Get Support on your AI journey AIRISE.EU **Open Call for Experiments on AI-in-Manufacturing** is an initiative aimed at supporting European SMEs and mid-caps to develop and deploy AI applications in manufacturing. The call focuses on enhancing the sustainability, security, resilience, and

	attractiveness of manufacturing processes through AI.

Open call for Experiments on AI-in-Manufacturing

- ***Type of projects:*** Involve innovative AI applications that support manufacturing environments, focusing on sustainability, waste reduction, energy efficiency, agility, and resilience
- ***Sector/Domain:*** Manufacturing, specifically targeting the use of AI to enhance manufacturing processes.
- ***Eligibility:*** Eligible participants must be European SMEs or mid-caps with a PIC number.
- ***Funding:*** up to 40 k€ per project with a 70% funding rate.
- ***Closure:*** 16/07/2025

https://airise.eu/calls

Upcoming EU events

AI, Data, Robotics Forum #ADRF25 https://adrforum.eu/	**AI, Data, Robotics Forum** Pioneering the Future: AI, Data and Robotics for a resilient, strategically autonomous and globally competitive Europe will be hosted in Stavanger, Norway. Immerse yourself in visionary keynotes, thought-provoking panels, and parallel sessions with industry leaders, researchers, and policymakers covering critical industrial and societal topics. ADRF25 facilitates the convergence and synergies between stakeholder communities to move the European AI, Data and Robotics agenda forward.
23-24 September 2025, Stavanger, Norway	

https://www.effra.eu/

EFFRA Manufacturing partnership days 2025 ‘Made in Europe’

The event will be a great occasion to discover and showcase the latest achievements and future goals of the Factories of the Future and Made in Europe projects.

Industry leaders, researchers, and policymakers will share their expertise, offering a deep dive into cutting-edge advancements shaping the future of European manufacturing.

An exhibition area will provide a dedicated space to meet project representatives, discover innovative technologies, and engage in in-depth discussions. With ample networking opportunities, the event is perfect for connecting with experts, fostering collaborations, and exchanging ideas.

https://www.effra.eu/news/the-manufacturing-partnership-days-2025-registration-are-now-open/

MTI Awards 2025 - Great Opportunity for Innovators

CECIMO is delighted to announce that the third edition of the MTI Awards will be held at **EMO Hannover** — the largest international trade show for the machine tool industry.

As the most influential event in our industry, EMO Hannover is the perfect platform to showcase the groundbreaking achievements shaping the future of machine tools.

The MTI Awards go beyond simply recognising excellence. They celebrate the people and innovations driving productivity, growth, and success across the industry. This is your chance to gain well-earned recognition, demonstrate your expertise, and highlight the impact you have made in advancing the sector.

Being part of the MTI Awards goes beyond recognition — it enhances your reputation, opens doors to valuable connections, and puts your achievements on a global stage.

Join us at **EMO Hannover 2025** and let your innovation take centre stage.

You can access all the relevant information HERE.