SEISMEC PROSPECTS 5.0 bridges 5.0

Workshop

Human-Centric companies: Insights from real-world Industry 5.0 innovations

Funded by
the European Union

Agenda:

- Presentation of the SEISMEC project and its pilot companies: NS WEB and Arctur
- Presentation of the BRIDGES 5.0 project and its pilot company: Comau
- Presentation of the PROSPECTS 5.0 project and its pilot company: B-Braun
- Wisdom of the crowd and open discussion

bridges 5.0 PROSPECTS 5.0 SEISMEC

Laura L□murean

Transilvania IT Cluster

PR & Communication Manager

Happy to be your moderator today!

bridges 5.0 PROSPECTS 5.0 SEISMEC

SEISMEC

Supporting European Industry Success Maximization through Empowerment Centred development

Funded by
the European Union

A brand-new wave of human-centric, tech-enabled, collaborative Industry 5.0 workspaces

The project in a nutshell

The **SEISMEC** is an EU-funded initiative under the Horizon Europe programme, Grant Agreement no. 101135884

31
PARTNERS

48
MONTHS

€10M
IN FUNDING

JAN 2024

DEC 2027

About SEISMEC

SEISMEC will shape a **future of work** that is both productive and enriching, with a focus on creating **sustainable work environments** that prioritize employee well-being and fulfillment.

At its core, the project is a mosaic of **piloting experiences** that come together through the unconventional lens of social sciences and humanities.

SEISMEC will demonstrate an **empowered**, **human-centred** and **ethical** development of digital and industrial technologies in a wide array of industrial sectors and contexts.

SEISMEC SHIFT

The SEISMEC SHIFT advocates for a brand-new Industry 5.0 framework that strikes the right balance between disruptive technology and human-centricity and operates on the premise that workers' empowerment and industrial competitiveness are complementary forces.

THE EXPECTED IMPACT OF HUMAN-CENTRIC DESIGN

- ▲ **10-15%** WORKER AUTONOMY
- ▲ **30%** TECHNOLOGY ACCEPTANCE
- ▲ **10%** PRODUCTIVITY
- ▼ **40%** TESTING & ERROR CORRECTION

Understand

The delicate **balance** at play **between workers, organisations and how they engage** with advanced technology in a multi-faceted industrial ecosystem

Test

Custom-fit **methods and tools** that can nurture and **enhance human-technology synergies** and skills development in Industry 5.0 workplaces, tested in **17 pilots** from 17 countries and **14 industries**

OUR **ambition**

Show

How human-centric solutions can **empower** a highly-skilled, value-driven and **increasingly creative industrial workforce in Europe**

Influence

New **evidence-based recommendations** that seamlessly connect workers, industry, **policymakers and like-minded initiatives in the EU sphere**

Dr. Srdjan Vukmirovic

NS WEB

Professor at the Faculty of technical sciences, University of Novi Sad, Serbia

Vesna Kobal

Arctur

Lead technology development, Tourism 4.0

Dejan Iskra

Arctur

Head of the Destination Management Organization (DMO) Green Karst

bridges 5.0 PROSPECTS 5.0 SEISMEC

ARCTUR & RDA GREEN KARST

ARCTUR

RRA Zeleni kras

www.arctur.si

www.rra-zk.si/en

bridges 5.0 PROSPECTS 5.0 SEISMEC

Company Profile

ARCTUR

For more than 30 years Arctur has been pioneering by merging of research, science, art and business. The interdisciplinary spirit is the cradle of innovation in which concepts, solutions and products come to life.

RDA GREEN KARST

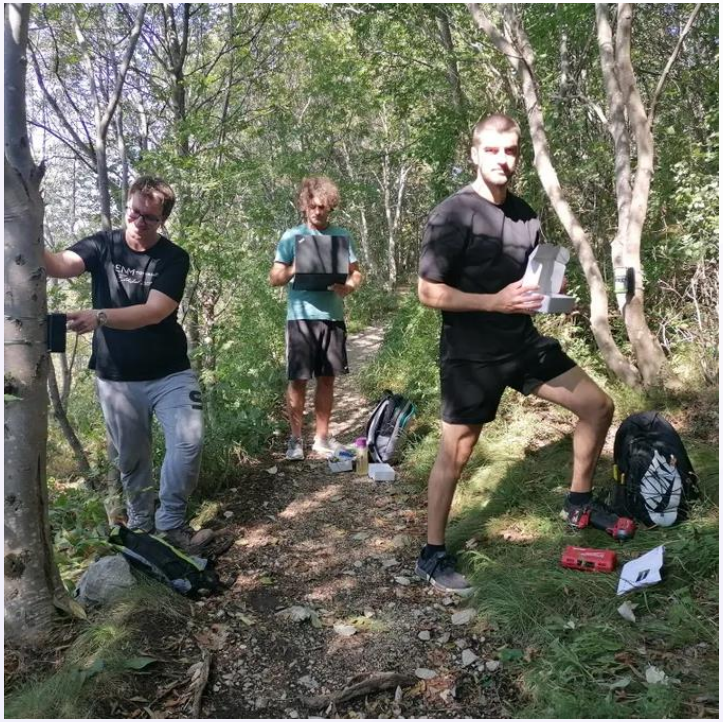
The RDA Green Karst was established in 2000 by six municipalities (Pivka, Postojna, Cerknica, Lo□ka Dolina, Bloke and Logatec) and five other local, regional and national support and development institutions. We focus on destiantion managemtn for Green Karst destination.

- **SME**
- **ARCTUR 50 + RDA GREEN KARST 15**
- **Slovenia**
- **Tourism and IT**

bridges 5.0 PROSPECTS 5.0 SEISMEC

Role in the project

FLOWS GREEN KARST



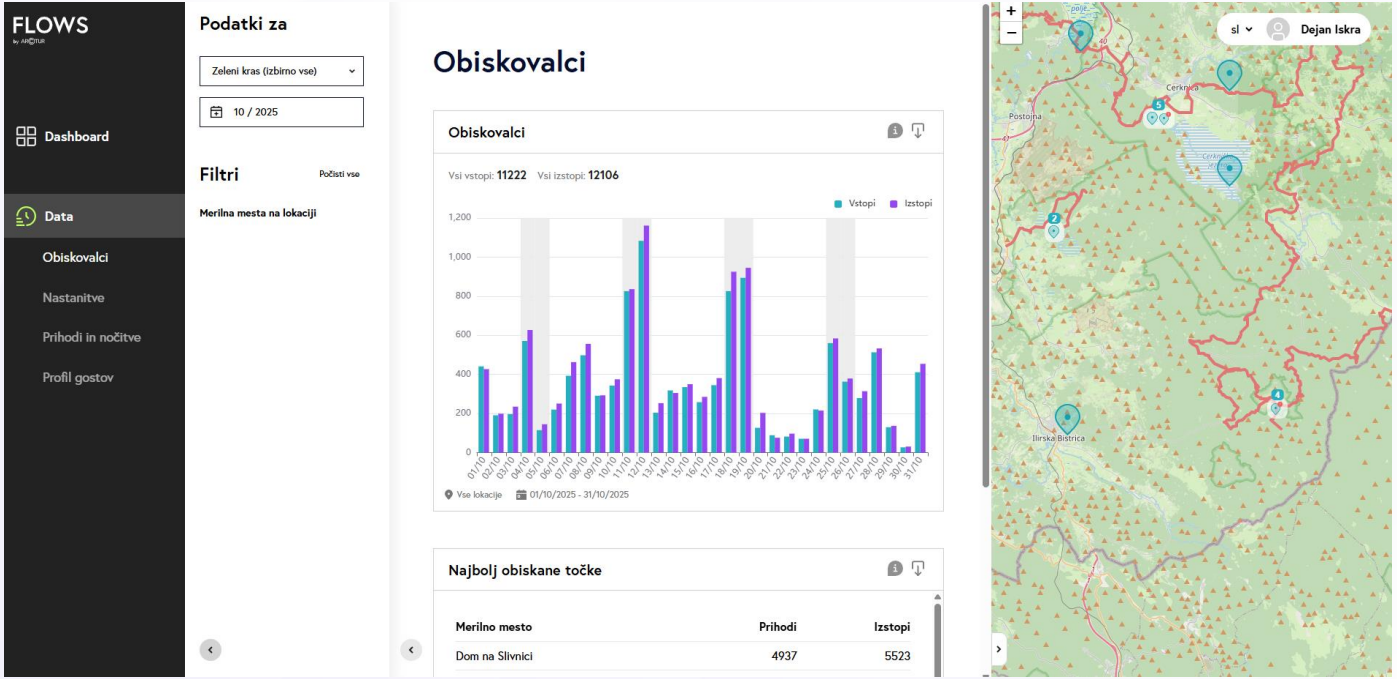
Why: Your main goal and motivation for participating

bridges 5.0 PROSPECTS 5.0 SEISMEC

Role in the project

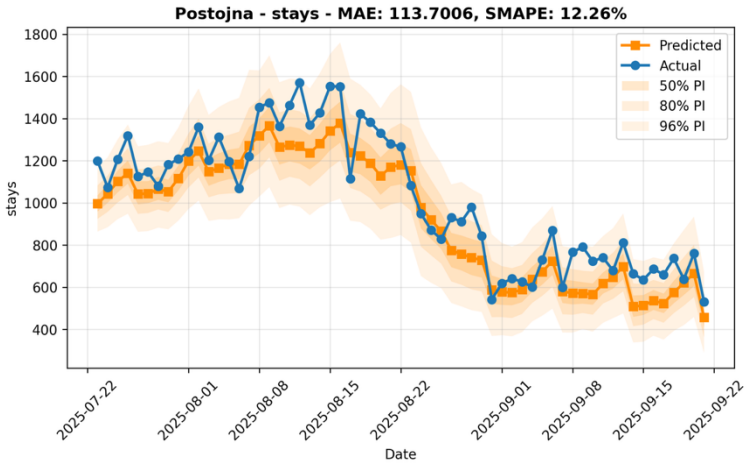
FLOWS GREEN KARST

Why: Your main goal and motivation for participating



Progress & implementation

Activities implemented so far



Technologies or organisational changes introduced

- IoT
- UX
- Predicable AI
- Add text here

bridges 5.0 PROSPECTS 5.0 SEISMEC

Human-Centric Approach

Add your text here

How workers were involved in technology design and implementation, e.g.:

- Employee workshops
- Focus groups
- Interviews
- Co-creation labs
- Participatory design sessions

Alignment with human-centric values (well-being, skills, empowerment, inclusion, autonomy, productivity, safety, job security, working life quality improvement, etc.)

LEGISLATIVE BARRIERS

WORKER ENVOLVEMENT

CHALLENGES

DATA COLLECTION & AVAILABILITY

EXPLAINABLE AI

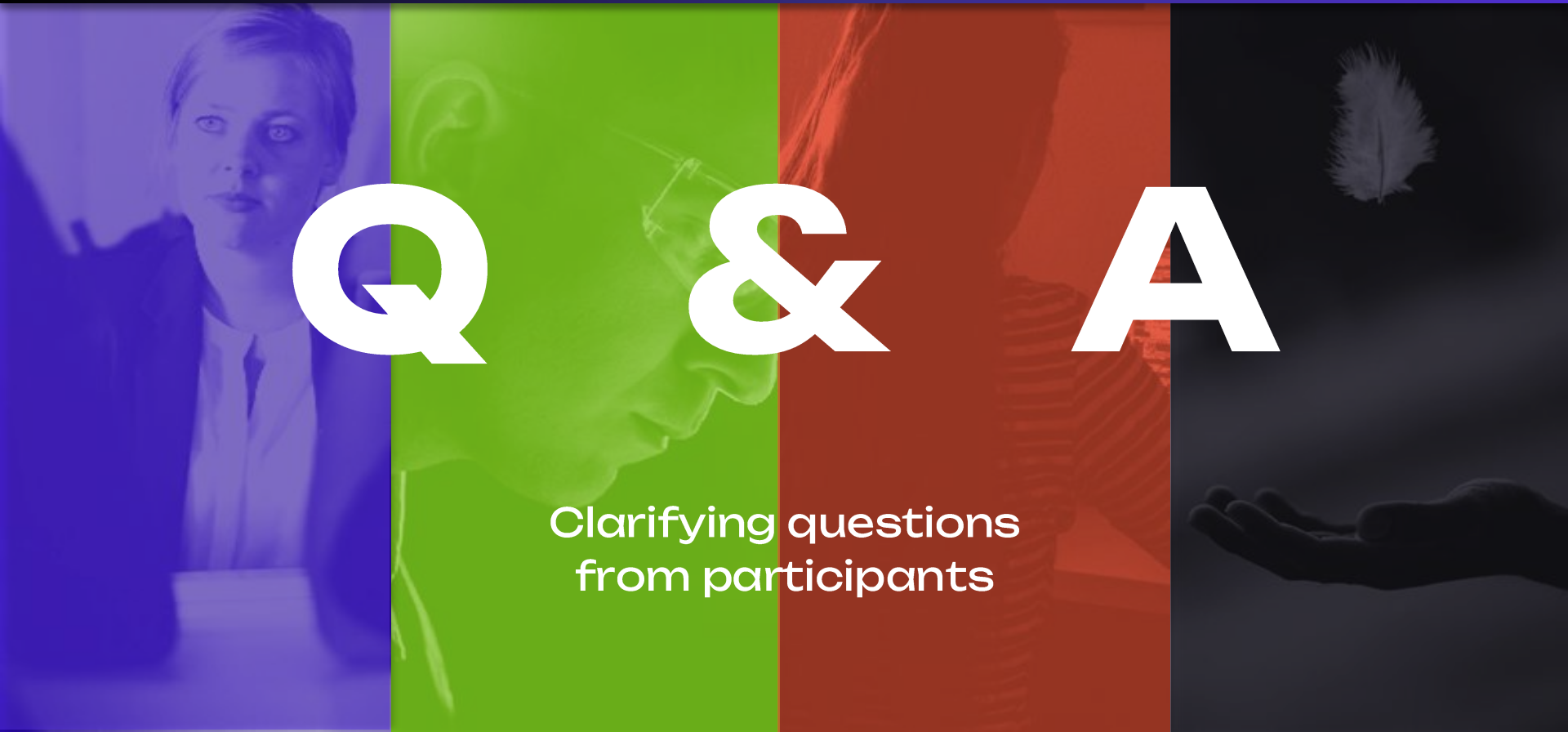
Preparation of MoU

Communicational activities with users

SOLUTIONS

Setting up internal datasets

Working together with SEISMEC partners (CERTH)



Q & A

Clarifying questions
from participants

NS WEB DEVELOPMENT

NSWD_

nswebdevelopment.com

bridges 5.0 PROSPECTS 5.0 SEISMEC

NS WEB DEVELOPMENT

NS Web Development creates non-violent educational games and animated content designed to support learning, curiosity and positive social impact.

- **Company size - Small**
- **Number of employees - 22**
- **Location – Novi Sad, Serbia**
- **Sector Creative Industry**

Role in the project

Which project you are part of

— SEISMEC

— Pilot

Why: Your main goal and motivation for participating

As AI tools become common in animation, modelling and game design, creative teams face a real dilemma. AI can speed up production and improve technical execution, but it can also affect creative ownership, professional identity and job satisfaction.

Progress & implementation

Activities implemented so far

- Monthly questionaries
- Bottom-up approach for choosing new AI tools
- Employee workshops for structural feedback
- Co-creation labs

Technologies or organisational changes introduced

- **AI Tools for better work place**
- **Questionaries**
- **Structural feedback**

Human-Centric Approach

workers were involved in technology design and implementation

- Employee workshops
- Interviews
- Co-creation labs
- Participatory design sessions

Alignment with human-centric values

- **well-being,**
- **skills,**
- **empowerment,**
- **autonomy,**
- **productivity,**
- **working life quality**
- **improvement**

Structuring feedback

How to measure worker satisfaction

CHALLENGES

How to follow everchanging landscape

Time to use new tools and get feedback

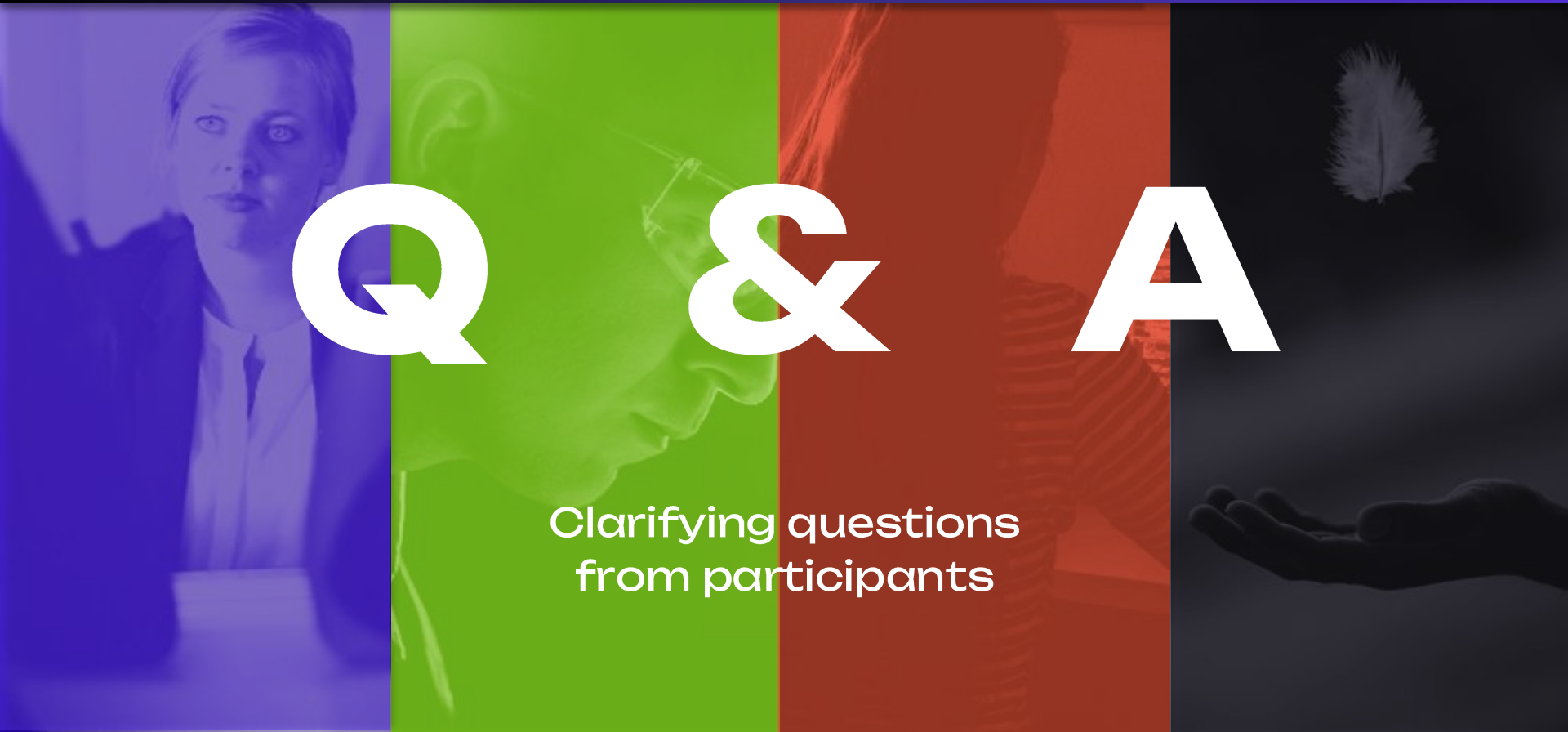
Solutions adopted to address human, organisational or technological barriers

Measure feedback through questionary

SOLUTIONS

Structural research of new AI Tools

Participatory design sessions for new AI Tools



Q & A

Clarifying questions
from participants

PROSPECTS 5.0

Progress Towards Industry 5-0: a Smart Study on Analysis and Identification Of Practices, Drivers, Success Factors and Obstacles of Transitions Towards Industry 5.0.

Funded by
the European Union

Anna Zmiievska

Technology Partners

Project Director. EU Grants & Innovation Strategist

Laura Aldrovandi, PhD

B-Braun

R&D Innovation Health Project Manager

bridges 5.0 PROSPECTS 5.0 SEISMEC

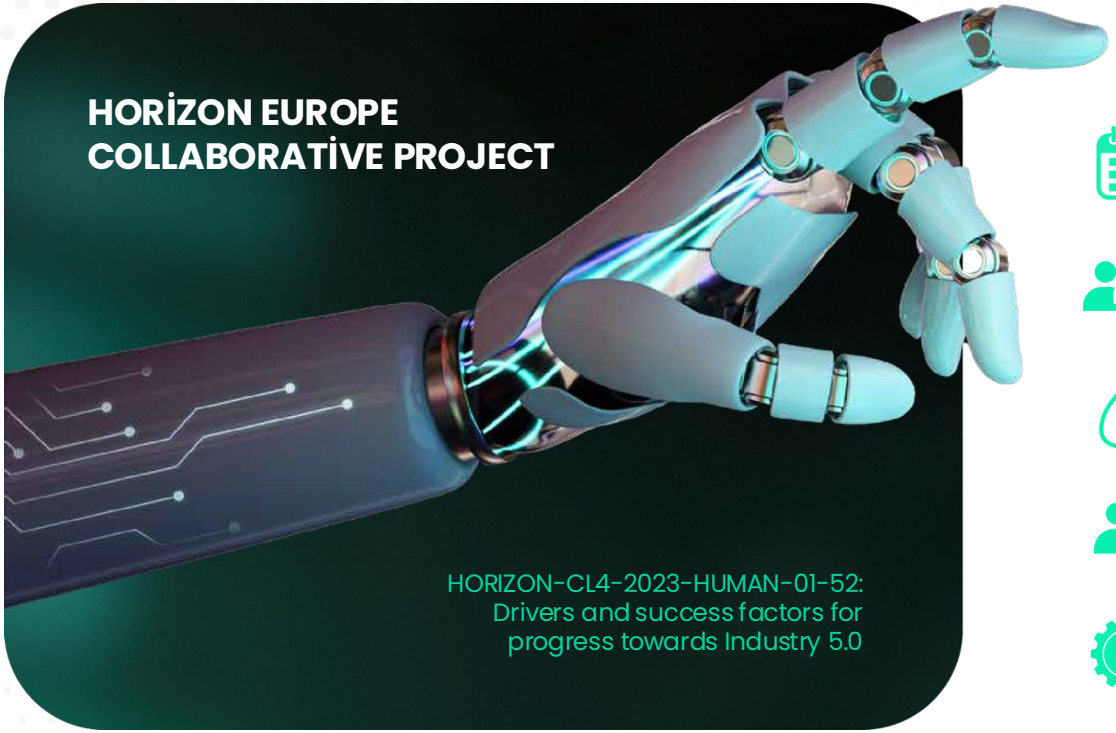
PROSPECTS 5.0

PROJECT OVERVIEW

PROGRESS TOWARDS INDUSTRY 5-0: A SMART STUDY ON ANALYSIS AND IDENTIFICATION OF PRACTICES, DRIVERS, SUCCESS FACTORS AND OBSTACLES OF TRANSITIONS TOWARDS INDUSTRY 5.0

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948



01 January 2024 – 31 December 2026

30 partners from 17 countries

€ 3 999 335,00

14 use cases

6 industry sectors

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

PROSPECTS 5.0

Objectives

Objective 1:

Creating an open and resilient ecosystem to perform additive knowledge build-up

Objective 2:

Developing an Industry 5.0 Assessment Framework based on a multi-sectorial and multi-stakeholders' engagement and co-creation processes

Objective 3:

Conducting an evidence-based analysis on implementation practices, drivers, success factors, bottlenecks and obstacles regarding the adoption of Industry 5.0 principles

Objective 4:

Providing measurement and adaptation tools for industry leaders and policy-makers at national and European level to increase the uptake of the Industry 5.0 principles

Objective 5:

Accelerating the adoption of results by transferring them to relevant actors

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

PROSPECTS 5.0

Project Use cases

14 use cases

6 sectors

Different maturity level

Different size

ADVANCED MANUFACTURING

- ❑**AMF (PT)** – smart safety footwear production
- ❑**B. Braun (IT)** – assembly of biomedical devices with cobots
- ❑**CAMELEO (PL)** – exoskeleton-assisted decorative coatings production
- ❑**ELMI (LV)** – laboratory equipment manufacturing

AVIATION

- ❑**STRETCH (AT)** – AI-based welding optimization

AUTOMOTIVE

- ❑**TEKNOROT (TR)** – smart vehicle suspension systems

CLEAN ENERGY TECHNOLOGIES

- ❑**OCTAVE (BE)** – energy storage using second-life EV

IT SERVICES & DIGITAL TRANSFORMATION

- ❑**KNOWIT (NO)** – digital transformation and cloud/AI

EDUCATION & SKILLS

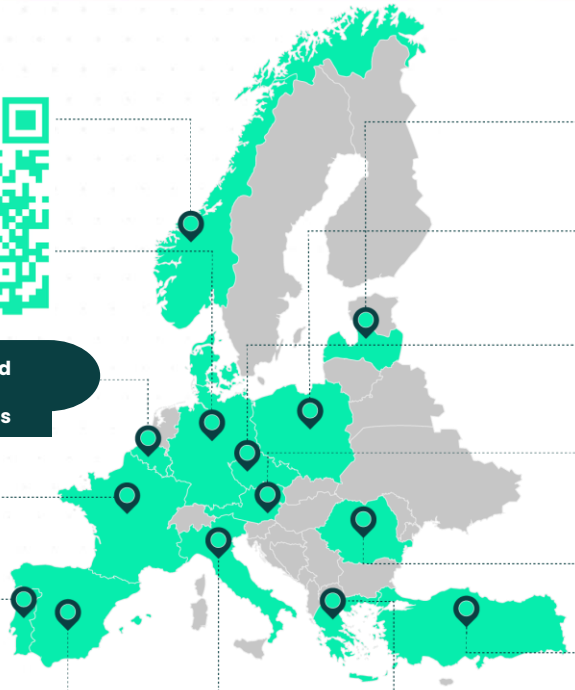
- ❑**S-GARD (DE)** – digital sewing machines for training and knowledge preservation

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

PROSPECTS 5.0

Use cases map and sectors



#1 NORWAY
KNOWIT/Large
Service-Providing/
Knowledge Industry

#6 GERMANY
S-GARD/SME
Education/Protective
Clothing Manufacturing

#2 BELGIUM
OCTAVE/Scale-up
Energy

#4 FRANCE
EFESTO/Spin-off
Aviation/Transport

#10 PORTUGAL
AMF/Medium-size
Safety Shoe/
Manufacturing

#7 SPAIN
ZEUKO/SME
Industrial Machinery
Manufacturing

Scan to read full UC descriptions

#13 ITALY
B. BRAUN AVITUM/Large
Healthcare Pruduction

#3 GREECE
TRYGONS/Spin-off
Plastic Parts/Manufacturing

#5 LATVIA
ELMI/SME (Medium)
Laboratory Equipment Manufacturing

#11 POLAND
CAMELEO/SME
Customized Paints/Manufacturing

#12 CZECH
GTW/Medium-size
Bearing Manufacturing

#9 AUSTRIA
STRITEC/Spin-off
Automotive Industry

#14 ROMANIA
SMARALD/Start-up
Jewellery Manufacturing

#8 TÜRKİYE
TEKNOROT/Large
Automotive/Manufacturing

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

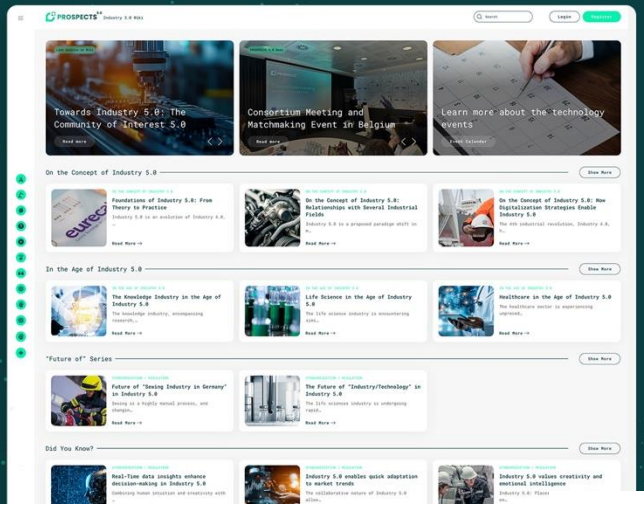
PROSPECTS 5.0

PROSPECTS 5.0

The Industry 5.0 Wiki

A Comprehensive Knowledge Hub for Industry 5.0

Visit Our Website **WIKI.PROSPECTS5-0.EU**



Original Content	Views	Unique Users
127	1000+	271

wiki.prospects5-0.eu

WHY JOIN?

Access cutting-edge knowledge, tools, and professional growth opportunities. Collaborate with experts and shape the Industry 5.0 movement.

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

PROSPECTS 5.0

INDUSTRY 5.0 COMMUNITY OF INTEREST

Assess your Industry 5.0 maturity level

Members contribute directly to the definition of an Industry 5.0 assessment framework and gain early access to tools such as the self-assessment app to measure their organisation's Industry 5.0 maturity level.

Access contents and contribute to Wiki 5.0

Community members can access and co-create content within the Wiki 5.0 repository, a collaborative knowledge hub where real-world use cases, lessons learned, and best practices are shared and explored.

Be inspired by success cases

The Community offers inspiration from Industry 5.0 practices across different industrial sectors, helping organisations turn ideas into concrete actions.

Share your experience

According to the community member profile and expertise, she/he may be invited to take part in online workshops and feedback surveys, playing an active role in shaping a common European framework for Industry 5.0.

Co-design the next steps with us

Through 14 real-world use cases across six key sectors as manufacturing, IT services, education, energy, aviation, and automotive, the Community of Interest offers a unique opportunity to co-design practical tools, frameworks, and recommendations that will guide Industry 5.0 adoption across Europe.

By becoming a member of the Community of Interest, you join a diverse ecosystem of EU actors and organisations with different backgrounds and real-world experience

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

PROSPECTS 5.0

I5.0 Assessment framework

10 KPIs – Human Centricity

HUMAN EMPOWERMENT
SAFETY AND WELL-BEING
TECHNOLOGY ADOPTION FOR WORKER SUPPORT
INCLUSIVITY AND DIVERSITY

11 KPIs – Environmental Sustainability

CARBON FOOTPRINT AND GHG EMISSIONS INTENSITY
ENERGY AND WATER USAGE EFFICIENCY
CIRCULARITY AND PRODUCT TRACEABILITY
INNOVATION IN SUSTAINABLE TECHNOLOGIES
REGULATORY COMPLIANCE

7 KPIs – Industrial Resilience

RISK MANAGEMENT
SUPPLY CHAIN ALTERNATIVES
BUSINESS CONTINUITY PLANNING EFFECTIVENESS
INNOVATION AND CONTINUOUS IMPROVEMENT
CYBERSECURITY

There are two KPI categories to meet specific needs (sector and size):

- **Core KPIs**, which provide a standardized baseline applicable across all organizations. They focus on **strategic alignment** (policy level).
- **Scenario-related KPIs**, tailored to company-specific variables (e.g., size, sector) and more focused on **operational outcomes** (outcome level).

Explore the Report
https://doi.org/10.5281/zenodo.17897608

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

PROSPECTS 5.0

THANK YOU

PROSPECTS5-0

PROSPECTS5-0

PROSPECTS5_0

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101135948

B-Braun Italy

B|BRAUN
SHARING EXPERTISE

www.bbraun.it/

Company Profile

B. Braun is a global medical technology company founded in 1839, committed to protecting and improving people's health. Guided by the principle Sharing Expertise, it develops innovative and sustainable solutions in close collaboration with healthcare professionals.

- **64.000 + Worldwide**
- **60+ countries**
- **Revenue 9.4 Billion**
- **Healthcare / Medical Technology**

bridges 5.0 PROSPECTS 5.0 SEISMEC

Role in the project

Which project you are part of

Prospect 5.0

Why: Your main goal and motivation for participating

We approached this project by leveraging our expertise in Cobots and Industry 5.0. Starting from this foundation, we expanded the scope by focusing on:

Sustainability: designing to minimize environmental impact throughout development.

Human-centricity: prioritizing people to enhance well-being, skills, safety, and empowerment.

Resilience: improving the organization's capacity to handle disruptions while maintaining continuity and value.

The Engineering group contributed by defining KPIs, ensuring they were measurable and aligned with project objectives.

Progress & implementation

Activities implemented so far

- The co-bot project has been implemented only up to the design phase .The implementation phase will be planned ed 26

- Internal workshops were conducted to define KPIs and collect data regarding **Sustainability, Human-centricity, Resilience**

Technologies or organisational changes introduced

- The Engineering department function has been strengthened by adding new resources dedicated to project management. This reinforcement was aimed at improving the coordination, planning, and execution of engineering activities, as well as ensuring better control over project timelines, priorities, and deliverables.

Human-Centric Approach

Add your text here

How workers were involved in technology design and implementation, e.g.:

- Workers were involved during the **design phase** through **internal workshops**
- Contunuois **feedback** during the project lifetime

Cultural Change and acceptance

Initial resistance to change toward human–machine collaborative solutions and new ways of working

KPI definition and data availability

Difficulty in defining truly measurable KPIs for “soft” aspects such as well-being, human-centricity, and resilience.

CHALLENGES

Integration complexity

Integration of new technologies (cobots, Industry 5.0 approach) with existing processes and infrastructures

Skill gaps and training needs

Need to develop new technical and digital skills to design and manage Industry 5.0 solutions.

Cultural Change and Acceptance

Clear communication and involvement of workers from the beginning

KPI Definition and Data Availability

Use simple and existing data (HR data, surveys, operational data).

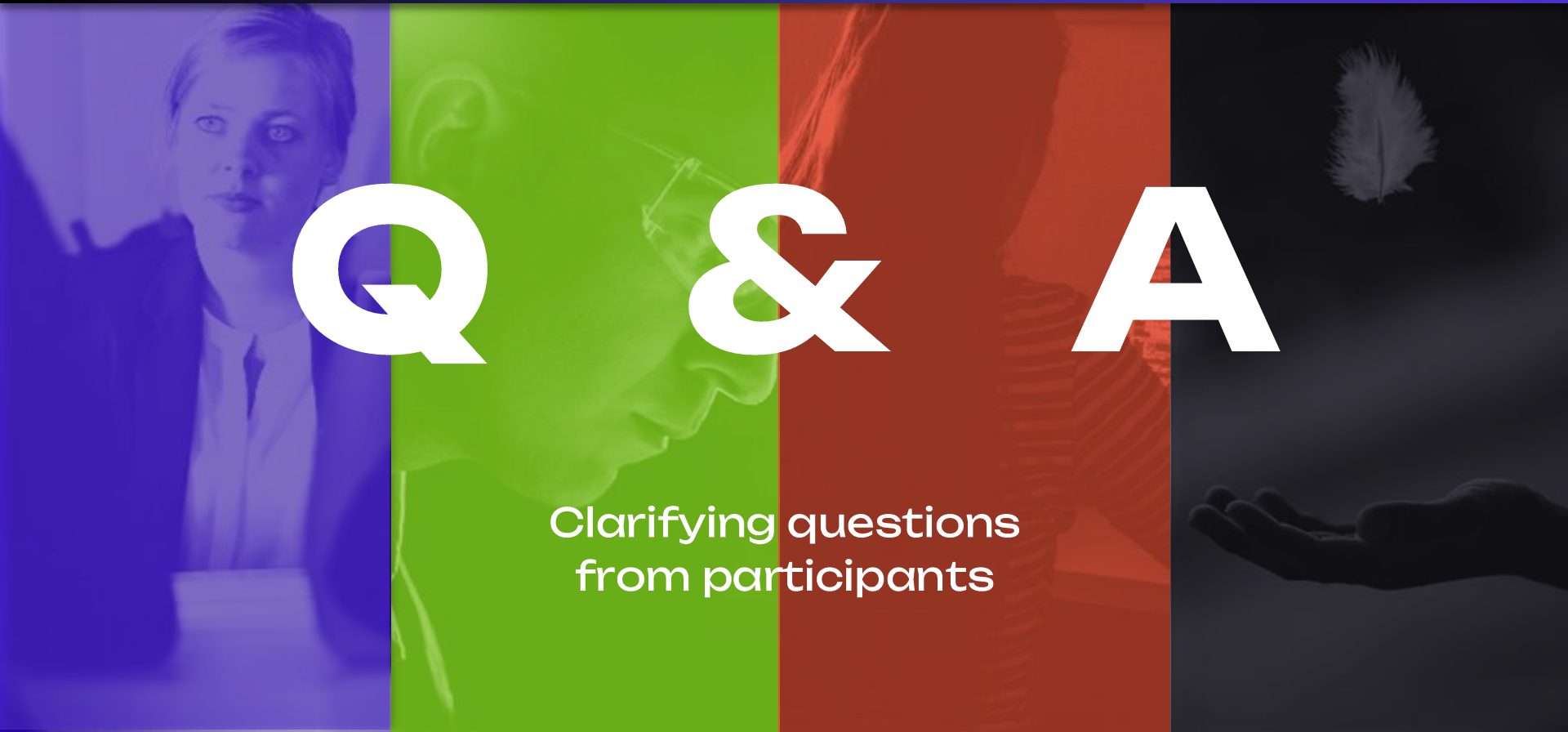
SOLUTIONS

Integration Complexity

Gradual implementation starting from small pilot projects.

Skill Gaps and Training Needs

Basic training sessions and on-the-job learning.



Q & A

Clarifying questions
from participants

Bridging Risks to an Inclusive Digital and Green future by Enhancing workforce Skills for industry 5.0

Funded by
the European Union

Peter Oeij

TNO

Senior Research Scientist and consultant affiliated with Netherlands Organisation for Applied Scientific Research (TNO) Innovation for Life

Massimo Ippolito

Comau

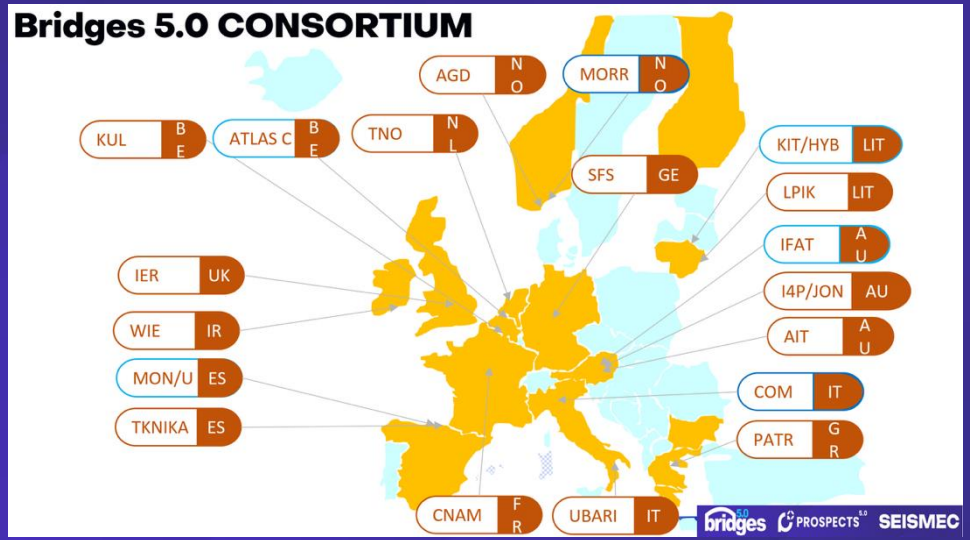
Predictive Maintenance Services Manager

bridges 5.0 PROSPECTS 5.0 SEISMEC

https://bridges5-0.eu/

Horizon-Europe BRIDGES5.0

- BRIDGING RISKS TO AN INCLUSIVE DIGITAL AND GREEN FUTURE BY ENHANCING WORKFORCE SKILLS FOR INDUSTRY 5.0

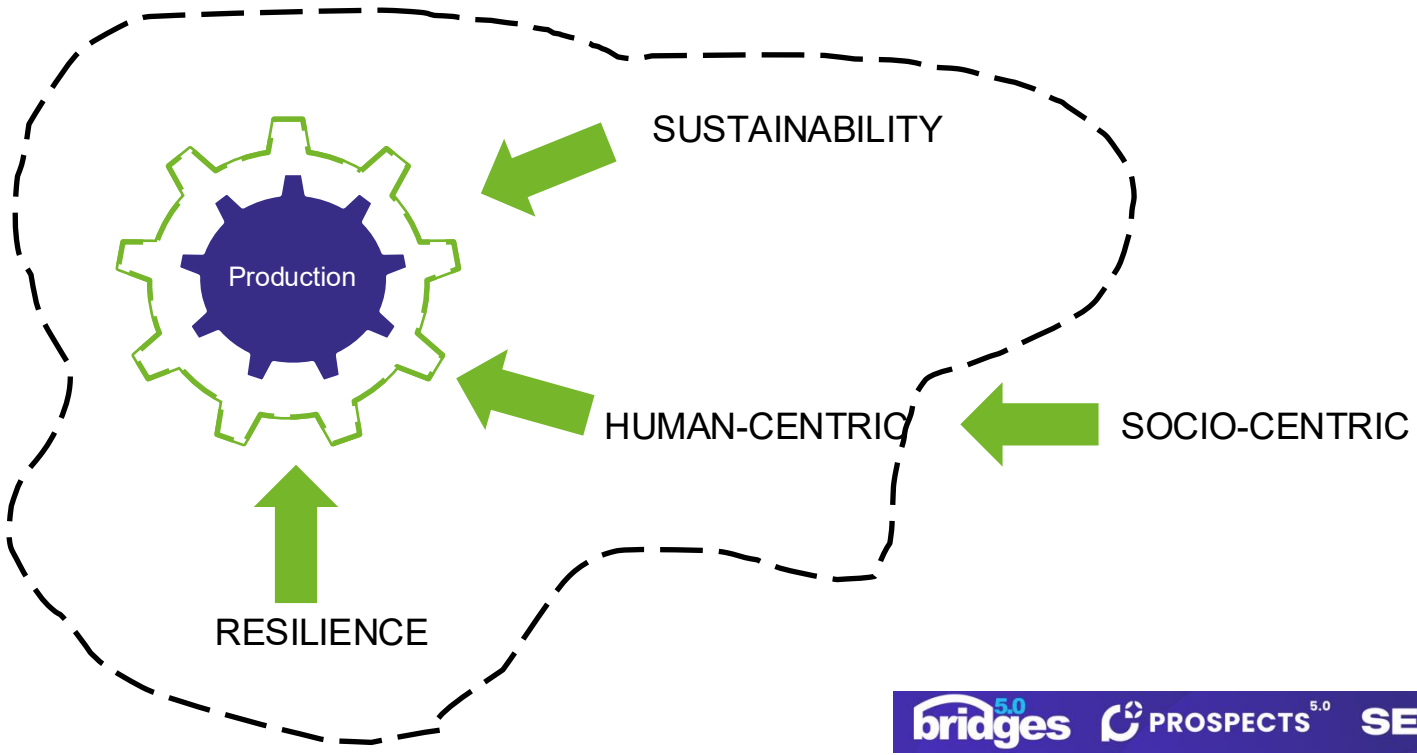


1. Mapping of transition to new green and digital jobs; meet Industry 5.0 requirements;

2. Map Industry 5.0 skills and skill gaps; and enable monitoring of skill gaps using skills taxonomies/standards;

3. Set up learning trajectories and training pathways for four target groups, i.e. managers, employed, job-seekers and students;

4. Engage a range of large companies and stakeholders (policymakers, SMEs, social partners, Vocational Educational Training (VET) providers) at regional, national and EU levels: create **Industry 5.0 Platform**.


SUSTAINABILITY
Production
HUMAN-CENTRIC
SOCIO-CENTRIC
RESILIENCE

New digital technology implementation

SUSTAINABILITY

Production

HUMAN-CENTRIC

SOCIO-CENTRIC

RESILIENCE

Required workforce skills

New training/ learning methods

SUSTAINABILITY

Production

HUMAN-CENTRIC

SOCIO-CENTRIC

RESILIENCE

General approach

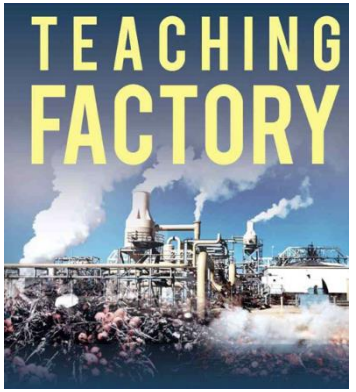
Technology → Skills → Teaching - Learning

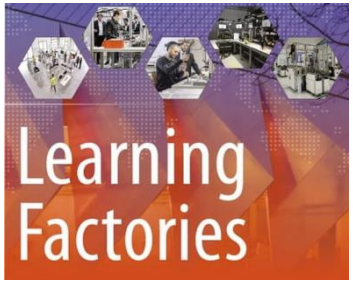
Teaching Factory

A dynamic exchange where industry practitioners teach students, and students and faculty teach practitioners. This collaboration occurs online over an extended period, featuring regular sessions and continuous interaction between industry and academia.

Learning Factory

A concept where university facilities replicate manufacturing environments, enabling collaboration between academia and industry in specific courses aimed at imparting manufacturing concepts, trends, and knowledge in an academic setting. It resembles a hands-on workshop.





IN-COMPANY

[5 organisations]

LIVING LAB

[5 networks]

Overview of Teaching and Learning Factories

Teaching Factories Role
Teaching Factories serve as real industrial pilots focusing on human-centricity, resilience, and sustainability in live contexts.

Learning Factories Purpose
Learning Factories combine education with industrial challenges to develop advanced skills through hands-on training.

Industry 5.0 Integration
BRIDGES 5.0 integrates both factory types to enable Industry 5.0 transition with technology and human-centric strategies.

Teaching Factories and Learning Factories overview

FACTORY TYPE	1	2	3	4	5
Teaching Factories	Mondragon	Infineon	Kitron	Comau	TKSE
Learning Factories	DEGV–Tknika	FH Joanneum / PI4.0	Smart Maker Academy	UIA / Eyde Cluster	LPK

Innovative Education

Teaching Factories

Case	Type	Purpose
Mondragon	Two TF's in two different companies with managers and engineers	To see the level of digitalization adoption and how it can help human centric manufacturing
INFINEON	One TF (following classes) with engineers and managers	To transfer decision making to a new fully automated unit
Kitron	One LF (with classes)	To build a human centric training system and strengthen workforce engagement
Comau	One LF emulation with engineers One LF with operators (welders) One TF with engineers and	To adopt human centric technology through automation of welding.
TKSE	One TF-like following internal transitions	To characterise internal transitions to hydrogen and digitalization

Learning Factories

Case	Type	Purpose
DEGV- Tknika Ecosystem: Miguel Altuna VET centre, Tknika Enpresare cluster Mondragon University	Learning Factory (VET Specialisation)	To adapt vocational education (Smart Manufacturing course) to Industry 5.0 by embedding human-centricity, resilience, and sustainability into the curriculum
FH Joanneum and Platform Industry 4.0 Austria	Learning Factory (Lab Transformation	To transform an existing Industry 4.0 Lab into an **Industry 5.0 environment** and develop practical guides to support companies in this transition
Sharehouse-TNO	Evaluation (Logistics Field Lab)	To modernise logistics education by integrating **sustainability and carbon footprint calculations** into the training of future logistics professionals,.
Smart Maker Academy •Innovatiecluster Noordoostpolder (ICNOP) •Spark Circular Construction •Battery Technology in Helmond	Learning Factory (Regional SME Ecosystem)	To address technical skill shortages in SMEs through a **modular "metro line" learning concept** that embeds I5.0 values into upskilling.
UIA-University of Agder – Eyde Cluster	Learning activities	To prepare industry leaders and employees for the transition to I5.0 through a modular programme on transformation management,.
LPK	Learning Factory (Digital Training Adaptation)	To adapt existing Digital Transformation Training (AI, Cyber Security) to explicitly include I5.0 requirements for SMEs in industry and agrifood,.

Comau

www.comau.com/en/

COMAU

Comau is a worldwide leader in delivering advanced industrial automation and digital solutions for diverse industries. Together with Automha, a fully owned company specializing in global intralogistics and warehousing automation, we enhance our ability to support seamless, end-to-end automation that spans both production and intralogistics environments.

- Large Company
- 3,900 employees
- 12 countries HQ Italy
- Industrial Automation

Role in the project

Which project you are part of

Why: Your main goal and motivation for participating

Improve Comau Academy training system with Introduction of Industry 5.0 in Training activities:

- Human centricity/ human inclusion: Human machine collaboration and Human Autonomy with respect to machine
- Resilience: Human ability to react to machine downtime
- Sustainability: Balancing between Financial KPI and Social KPI
- Target groups: Mechanical Engineers, Controls Engineers, Project Managers, Sales, Maintenance, Operators

Progress & implementation

Activities implemented so far

Teaching Factories

- Embracing Industry 5.0 – Trainer TF
- Industry 5.0 in Action – End User TF
- Improving the Collaborative Welding – Designer & Trainer TF

Technologies and organisational changes introduced

- **Mobile & Collaborative Robotics, AI**
- **Digital Twin**
- **The Evolution of the Welder's Role**
- **Safety and Well-being**

bridges 5.0 PROSPECTS 5.0 SEISMEC

Human-Centric Approach

Skilled workers are no longer merely manual laborers, they are now Robotic Systems Operators. This has required a massive reskilling program managed through the Comau Academy and the client's in-house digital labs.

Workers and trainers were involved in technology design and implementation:

- Workshops
- Focus groups
- Co-creation labs
- Participatory design sessions

Alignment with human-centric values (well-being, skills, empowerment, inclusion, autonomy, productivity, safety, job security, working life quality improvement, etc.)

An Unstructured' Working Environment
Unlike car assembly lines, where everything is precise to the millimetre and static, a shipyard is a hostile environment for mobile robotics

Human-Machine Collaboration
Implement sensors that can instantly distinguish between an inanimate obstacle and a human colleague, ensuring immediate stoppage or a change of course in accordance with stringent ISO safety standards

CHALLENGES

Technological Acceptance
Overcoming the natural resistance of long-serving workers towards machines that are initially perceived as a threat to their jobs.

Skills Gap
Transforming an experienced welder into a robotic systems supervisor required the creation of new training protocols, as the skills required shift from manual work to software management and diagnostics.

AR simulators

Instead of training workers directly on site (which is risky and costly), the e.DO□/Soldamatic programme has been introduced. These are Augmented Reality (AR) simulators that allow welders to learn how to programme the robot in a safe virtual environment.

□Fence-Free' architecture

The physical barrier has been replaced by a □digital' barrier. Thanks to certified proximity sensors, people and machinery can work in the same space without the need for cages, ensuring a smooth flow of movement on the construction site.

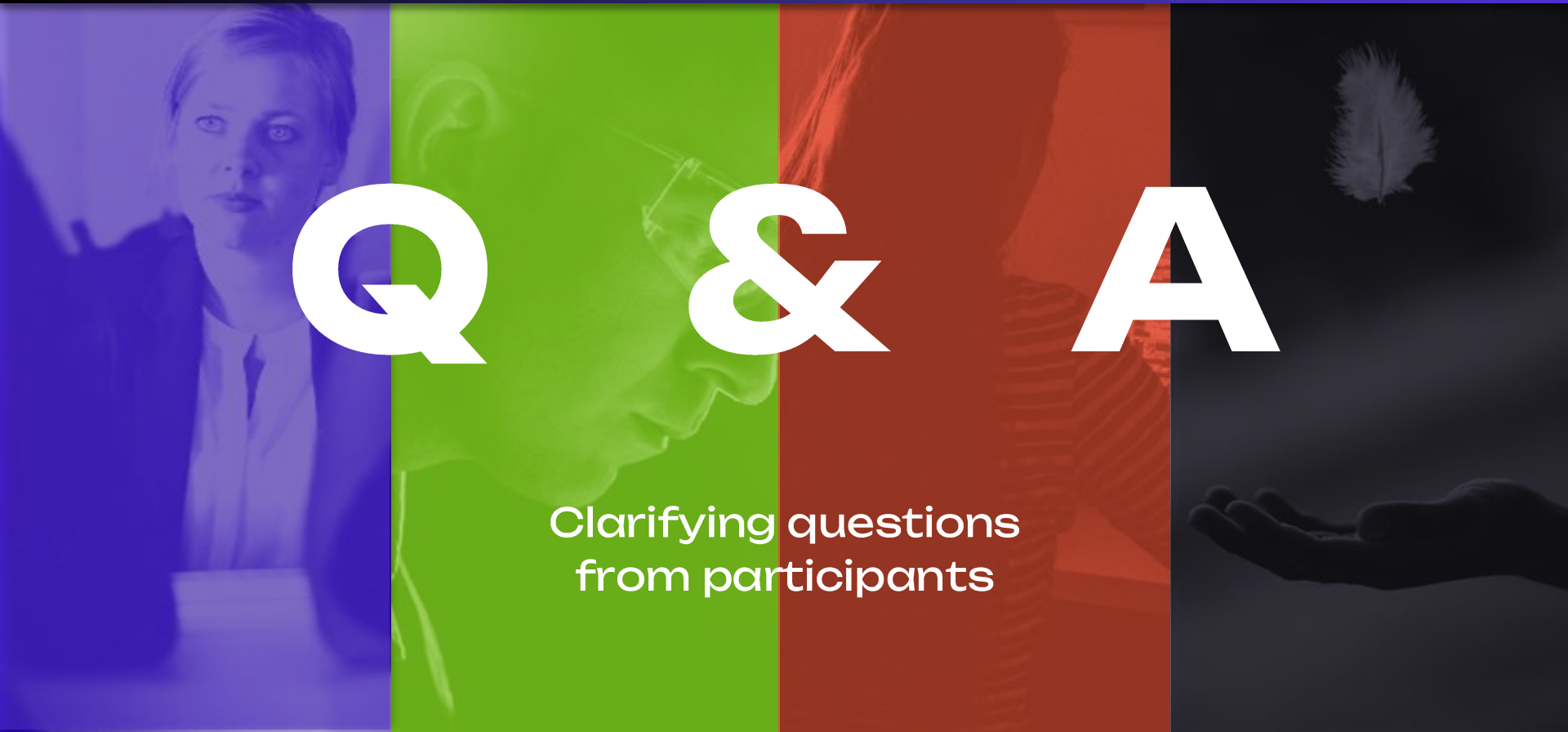
SOLUTIONS

Robotics Certificate

Upon completion of the training, employees receive an official certificate. This shifts the perception of robots from being □competitors' to □tools for professional development', thereby enhancing the employee's employability in the job market.

Wearable Robotics (Exoskeletons):

Exoskeletons have been introduced for tasks that still require manual labour



Q & A

Clarifying questions
from participants

Let’s hear from you and your organisations

bridges 5.0 PROSPECTS 5.0 SEISMEC

Let us know your thoughts on the shift to industry 5.0

menti.com
Code: 1310 0657

Open discussion

SEISMEC

PROSPECTS 5.0

bridges 5.0

Thank you!

https://seismec.eu/

https://prospects5-0.eu/

https://bridges5-0.eu/

Keep in touch!

@seismec.bsky.social

in/SEISMEC

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or HaDEA. Neither the European Union nor the granting authority can be held responsible for them.