

AUGMAN5.0



Project Idea	Augman5.0: Augmenting European Manufacturing through AI and Human-Centric Innovation for Industry 5.0
Organization name, town and country	Egesys Ltd., Izmir - Türkiye
Addressed topic(s)	HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-02

EU INDTECH 2025 Brokerage Event



R&D

- R&D Center
- Technology Management
- Trainings



Innovation

- Consulting Services for Designing and Implementing Innovation Systems
- Trainings



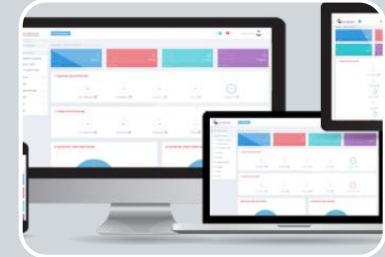
Industry 4.0/5.0 and Digital Transformation

- Consultancy
- Trainings
- Solutions



Mentoring Programs

- Program Design / Implementation Consultancy
- Mentoring Trainings (Kobimen Academy)



Software Solutions

- Mentoring Platform (ArGeMentor)
- Distance Learning Platform (Eduizm)



AUGMAN5.0: A Human-Centric Approach



AUGMAN5.0 focuses on augmenting human capabilities, integrating AI, robotics, and digital twins to:

- Improve decision-making through AI-driven cognitive augmentation
- Reduce physical strain with wearable or robotic support systems
- Enhance worker training & safety using human-centered digital twins
- Enable predictive maintenance & real-time issue resolution
- Automate quality control with AI-based inspection tools

Competences / type of partners sought



AI and Cognitive Computing Providers

- Specializing in AI-driven cognitive augmentation for tasks like material handling, quality control, and complex assembly support.

Wearable and Robotics Companies

- Focused on **physical augmentation** technologies such as exoskeletons and wearable robotic systems to reduce worker strain.

Digital Twin Developers

- Experts in creating **human-centered digital twins** for virtualizing production environments to enhance training, safety, and operational efficiency.

Predictive Analytics and Decision Support Solution Providers

- Offering **AI-powered decision support** tools for predictive maintenance, issue resolution, and intelligent resource allocation.

Automated Quality Control Technology Developers

- Capable of building **AI-based visual inspection systems** for defect detection and error reduction in manufacturing processes.

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