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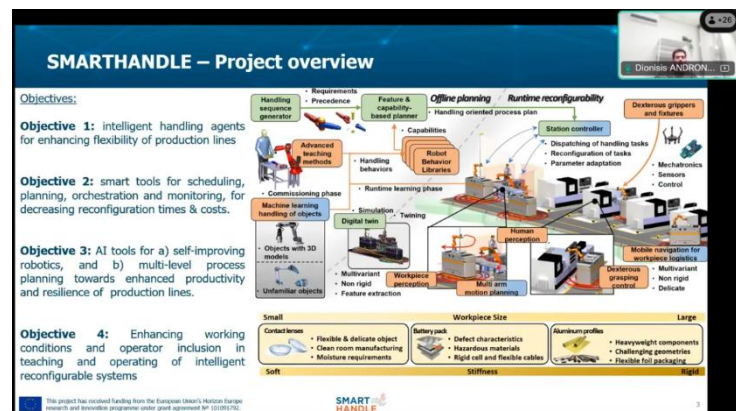
## “Translating research into practice: Turning real industrial needs into smart, flexible and human-centred solutions” joint Sister Projects’ webinar showcases industrial-ready innovations



A joint webinar held in November 28<sup>th</sup> brought together the four Horizon Europe sister projects **SMARTHANDLE**, **HARTU**, **AGILEHAND** and **MASTERLY**, to present how cutting-edge research is being translated into real-world manufacturing solutions that are smart, flexible, and human-centred.

### About the webinar

The online session titled **"Translating Research into Practice: Turning Real Industrial Needs into Smart, Flexible & Human-Centered Solutions"** united industry experts, researchers, and end-users to demonstrate how robotics, AI and intelligent automation can address industrial challenges while putting human workers at the centre of future production.



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During the webinar, each project showcased concrete use-cases and demonstration pilots currently under deployment in industrial settings. Key highlights included adaptive handling systems, human-robot collaboration frameworks, flexible packaging and assembly cells, and smart automation workflows tailored to real-world manufacturing demands.

### *About SMARTHANDLE's presentation during the webinar*

Representing the SMARTHANDLE project, **Dionisis Andronas** from the **Laboratory for Manufacturing Systems and Automation (LMS)** presented how the project is tackling key industrial challenges by integrating AI-powered robotic handling systems into real manufacturing environments. His talk focused on the intelligent orchestration of robotic arms, advanced automation strategies, and the successful deployment of these technologies in demanding pilot settings such as the packaging of aluminium profiles.



Participants examined how these solutions tackle pressing industrial needs (from variability in production lines to worker safety, sustainability, and rapid reconfiguration capabilities) while maintaining a human-centric approach. The discussions emphasized cross-project synergies, ethical integration of automation, and strategic exploitation of results to foster broader impact across European industry.

The full recording of the webinar is now publicly available on YouTube, offering access to all presentations and project pitches. To watch the full session, visit: [https://www.youtube.com/watch?v=N8vqGtm\\_Ydk&t=5s](https://www.youtube.com/watch?v=N8vqGtm_Ydk&t=5s)

### *About the Sister Projects*

About SMARTHANDLE, HARTU, AGILEHAND and MASTERLY, these four European projects collaborate to accelerate the adoption of intelligent robotics, flexible manufacturing, and human-robot collaboration across industries, supporting the EU's agenda for resilient, sustainable, and competitive manufacturing in the decades ahead.

 **Learn more about the project at: [www.smarthandle-project.eu](http://www.smarthandle-project.eu)**



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