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JARVIS Newsletter

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## JARVIS NEWSLETTER #2



JARVIS

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January 7, 2025

### Welcome to the Second Edition of the JARVIS Newsletter!

We are excited to welcome you back to the world of JARVIS, a project funded by the Horizon Europe program since January 2024. Coordinated by the **Laboratory for Manufacturing Systems and Automation** in Greece, JARVIS is rapidly gaining momentum and making waves in the innovation sphere.

Our consortium consists of **16 partners** from across Europe, united in their mission to push the boundaries of Human-Robot Interaction through AI applications and make significant scientific, economic, and societal impacts.

As we reach the new year and reflect on the first year of the JARVIS project, we're proud to share how much we have accomplished over the past six months. In October, all 16 project partners gathered in Patras, Greece, for the third General Assembly. Hosted at the **Teaching Factory Competence Center** facilities, this dynamic event showcased our progress in advancing human-robot interaction and refining the project's key modules. A guided tour of TF-CC's cutting-edge technologies provided further inspiration for our collective vision of the future.



## EVENTS

This autumn, JARVIS made waves at several high-profile events across Europe. In September, [SINTEF](#) presented JARVIS's advancements at the Strategic Inspection Management 2024 conference in Sola, Norway, captivating industry professionals with insights into the latest trends in inspection and maintenance robotics, with JARVIS taking centre stage.

In October, we collaborated with the [EARASHI Project](#) to co-host the webinar *Cobots as Enablers in Predictive Maintenance and Sustainability*, sparking vibrant discussions on the transformative role of collaborative robots across industries. Finally, in December, JARVIS participated in the prestigious CECIMO Brussels Forum, where industry leaders came together to explore robotics policy and innovation.



## WORKSHOPS

In September 2024, JARVIS was spotlighted at the SINTEF-led workshop during MESA 2024 in Genova, Italy. The presentation, *Robotics and Drones for Inspection and Maintenance of Offshore and Onshore Energy Infrastructure*, highlighted JARVIS's contributions to advancing robotics technologies in critical energy applications. Attended by industry professionals, public sector representatives, and research organisations, the workshop provided an excellent platform to share knowledge and exchange ideas.

## PUBLICATIONS

As part of our commitment to sharing knowledge, JARVIS launched its monthly blog series in October 2024 with the release of three groundbreaking publications.

The first blog, *"Integrated Robot Control for Advanced Human-Robot Collaboration"*, explores innovative frameworks and AI-driven technologies designed to enhance seamless interaction, adaptability, and safety in collaborative environments. The second, *"Intuitive Robot Programming Using Generative AI"*, highlights how generative AI simplifies robot programming, making it more accessible and efficient for non-experts. The third blog, *"Extending Human Capabilities Through Human-Centric Human-Robot Interaction"*, focuses on human-centric design, showcasing how robotics can augment human capabilities, improve safety, and enable seamless collaboration in industrial and operational settings.

These blogs mark the beginning of a series designed to provide continued insights into the cutting-edge advancements of the JARVIS project. Visit our [website](#) to explore these publications and stay updated on our journey to reshape the future of robotics.

#### NEXT STEPS

As we look to the future, JARVIS is gearing up to launch two exciting open calls starting in early 2025. These calls will run through 2026 and aim to select 21 applications in total, with a substantial budget of €2.5 million dedicated to supporting these initiatives. One call will focus on external pilots, while the other will invite co-development proposals, offering SMEs the chance to engage with cutting-edge AI-driven multimodal interaction technologies.

This is a fantastic opportunity for innovators to contribute fresh ideas, test solutions in real-world settings, and join us in shaping the future of human-robot collaboration. Further information and guidance will be available soon. In the meantime, visit our [website](#) to stay informed about the open calls and all the latest updates.



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JARVIS project, funded under Horizon Europe will keep you updated about developments in human-robot collaboration



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