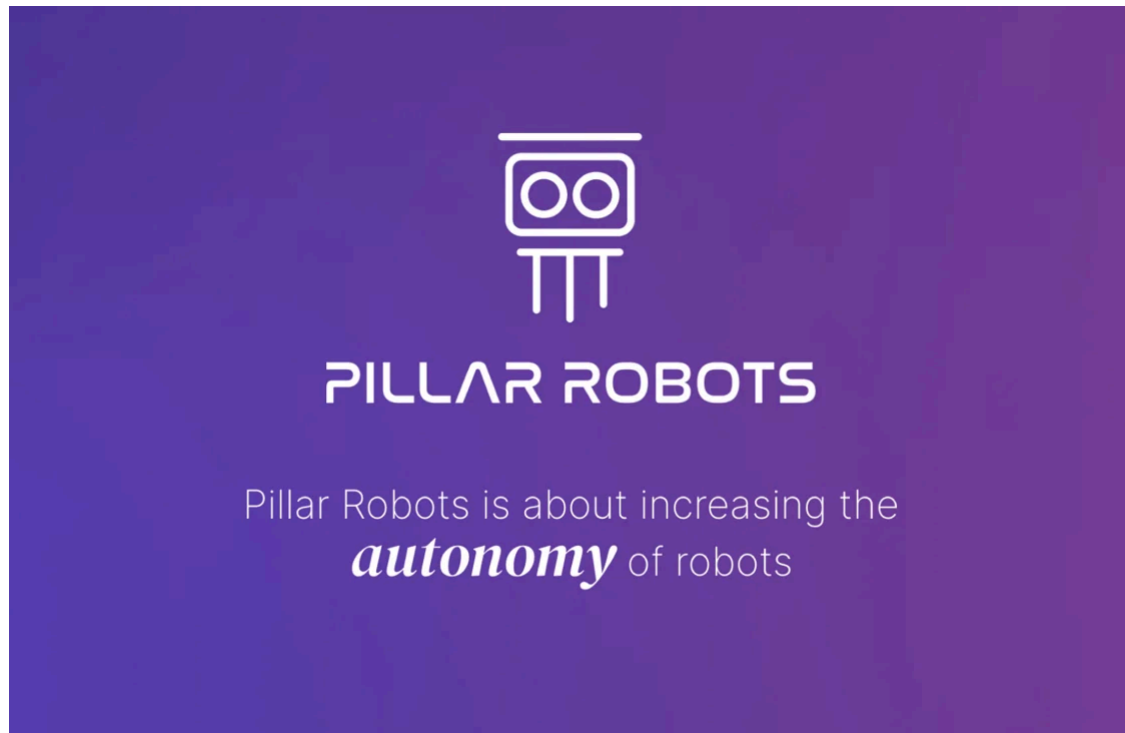


## Newsletter



### **Welcome to the 8th issue of the PILLAR-Robot newsletter!**

The PILLAR-Robots consortium consists of 6 partners. PILLAR-Robots aims at developing a new generation of robots endowed with a higher level of autonomy, that are able to determine their own goals and establish their own strategies, creatively building on the experience acquired during their lifetime to fulfil the desires of their human designers/users in real-life application use-cases.

To this end, the project will operationalize the concept of Purpose, drawn from the cognitive sciences, to increase the autonomy and domain independence of robots during autonomous learning and, at the same time, to lead them to acquire knowledge and skills that are actually relevant for operating in target real applications.

In particular, the project will develop algorithms for the acquisition of purpose by the robot, ways to bias the perceptual, motivational and decision systems of the robots' cognitive architectures towards purposes, and strategies for learning representations, skills and models that allow the execution of purpose-related deliberative and reactive decision processes.

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LEARN ABOUT

## Highlights from ERF 2025

PAL Robotics



Leading researchers gathered in Stuttgart to explore the future of mobile manipulation with rigid and deformable objects. The workshop featured key insights, EU project synergies, and forward-looking discussions on autonomy, AI, and real-world applications.

[Read the full article](#)

INTERVIEW

### Interview with Adriano Capirchio

AI2LIFE



What unique contributions does AI2Like bring to the PILLAR consortium, and how do you see its impact on the agri-food robotics sector?

[Read the interview](#)

**UPDATE**

## Stakeholders Engagement | Status and Updates

[Universidade da Coruña](#)



PILLAR-Robots is expanding collaboration with stakeholders across key sectors through a structured engagement model. New partners are welcome to help shape the future of robotics.

[Read the full article](#)

**PILLAR COMMUNITY**

## Sister Projects Meeting at ERF2025

Universidade da Coruña



PILLAR-Robots continues to work closely with 10 sister projects funded under the same Horizon Europe call. Through events like ERF 2024 and 2025, and a dedicated workshop in Brussels, we've explored joint module development and strategic alignment.

[Read the full article](#)

### USE CASE

## TIAGo Industrial Scenario

Université Sorbonne



PILLAR is testing robots in real factory settings to assist workers with tasks like fetching tools and tidying up. Using natural language, learning, and robust

perception, they adapt to complex environments.

[Read the use case](#)

**ARTICLE**

## **Turing Award honours reinforcement learning pioneers: PILLAR and the future of AI**

**CNR-ISTC**



Sutton and Barto win the Turing Award for reinforcement learning, a core technology behind PILLAR-Robots. Researcher Vieri G. Santucci (CNR) shared insights in la Repubblica on its impact in real-world robotics.

[Read the full article](#)

**EVENTS**

## **PILLAR Plenary Meeting and Integration Days in Athens**

**Athena Research Center**



The project partners met in Athens at ARC facilities for the project's 4th plenary meeting discussing the advancement of PILLAR-Robot's work. The plenary was followed by over 2 days of integration activities with TIAGo robot in order to work on the implementation and deployment of PILLAR's three use cases.

## EVENTS

### Integration Days at PAL Robotics

PAL Robotics



Partners from Sorbonne Université and Universidade da Coruña met at PAL Robotics' HQ in Barcelona to discuss the work on PILLAR-Robot's industrial and edutainment use cases.

PAL Robotics, Carrer Pujades 77-79, 7<sup>a</sup>, 7, Barcelona,, Barcelona 08005, Spain

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