

NEWSLETTER

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ABOUT VOJEXT

VOJEXT (Value Of Joint EXperimentation in digital Technologies for manufacturing and construction) is a 42-months long Horizon 2020 project, started in July 2020, which aims to provide a favourable business and technological framework for cognitive autonomous systems supporting human-robot interaction.

Under the vision Value Of Joint EXperimentation (VOJEXT) in digital technologies, the project dynamizes science-driven industry approaches engaging human and Cyber Physical Systems (CPS) in the same loop; thus amplifying the cognitive capabilities needed to achieve more effective sociotechnical and business ecosystems. For this purpose, VOJEXT will design, develop, and demonstrate affordable, market-oriented, multipurpose and easy-to-repurpose robotic systems; to be developed as one of the main components of a smart and scalable CPS ecosystem for the manufacturing and construction industry.

You can read more about the project and its main developments [here](#). For all the latest updates, please follow us on social media:



LATEST NEWS AND DEVELOPMENTS

Integration of use cases and live demonstration webinars

Since the autumn of 2023, VOJEXT's team has been working on the integration of the 5 use case demonstrators. In September, the VOJEXT's technology was integrated, tested and validated at the facilities of OSAI for the production of electronic and battery components. The next integration was carried out in October, at PEMU, where the system was tested for the manufacturing of viscoelastic-based products and more specifically in the process of handling polyurethane pillows. This was followed by the integration done at Acciona in November, focusing on the construction sector, with the cobot performing wall finishing tasks. A series of live demonstration webinars took place during the integration of the use cases. The first one in OSAI was organised on 20 September, followed by the second one in PEMU on 25 October. During the webinars, VOJEXT partners presented the developed innovative technology, the benefits of its application in each particular use case and live demonstration of the cobot's integration in practice. Watch a video recording of the webinar at OSAI [here](#). In 2024, VOJEXT will continue with the integration of the other two use cases - OKN, which is dedicated to crafts, culture and creativity, as well as automotive smart manufacturing at Mercedes Benz. Information about the next live demo webinars will be published [here](#).

Participation at the EFFRA Manufacturing Partnership Day

On 26 September 2023, VOJEXT participated in the Manufacturing Partnership Day event organised by the European Factories of the Future Research Association (EFFRA) in Brussels. VOJEXT's project coordinator, Xenia Beltran, was a panelist in the discussion entitled "Handling Systems for Flexible Materials, the Update of Digital Game Changers, and Digital Manufacturing Platforms for Connected Smart Factories". She presented the innovative technology behind VOJEXT, with a particular focus on its application in the 5 use case demonstrators. The event, which was attended by more than 400 stakeholders, provided the opportunity for 48 projects to present their results both on stage and in an exhibition and demonstration area.

Third plenary meeting

On 23 October 2023, VOJEXT partners met in a hybrid format (in Budapest and online) for the project's third plenary meeting. The partners discussed the progress achieved in the implementation of the different project activities, with a particular focus on the development of the mobile collaborative robot, integration of the 5 use case demonstrators, the implementation of the winning projects from the 2nd Open Call for SMEs and S+T+ARTS Call for artistic residencies, the development of the DIH network, etc.



LATEST NEWS AND DEVELOPMENTS

S+T+ARTS Laser Talk

On 5 December 2023, two of VOJEXT's S+T+ARTS Residency artists presented their projects within the scope of the Laser Talks in Amsterdam: Art Through Technology. Calin Segal presented his project "Ornate Equations", which focuses on robotics in construction. The other project presented during the event was that of Marielena Papandreou, called "G-R-AI-N", which addresses the topic of robotics in arts and crafts.

CALENDAR OF UPCOMING EVENTS

- 27-29 February 2024, Milan - [International Conference on Mechatronics and Robotics Engineering](#);
- 13-15 March 2024, Rimini - [European Robotics Forum 2024](#);
- 25-28 March 2024, Paris - [Global Industrie](#);
- 9-11 April 2024, Barcelona - [Advanced Factories](#);
- 22-26 April 2024, Hannover - [Hannover Messe](#);
- 14-16 May 2024, Warsaw - [Industry Automatica](#);
- 17-19 June 2024, Porto - [International Forum on Artificial Intelligence and Robotics](#)

VOJEXT PARTNERS

Led by the Universidad Politécnica de Madrid (UPM), VOJEXT brings together a multidisciplinary and complementary consortium team consisting of 19 partners from 14 EU and associated countries. VOJEXT partners comprise 7 SMEs (Robotnik, Tree Technology, Technovative Solutions, Kontor 46, F6S Network Limited, Officina Keller Napoli, OSAI Automation Systems), a mid-cap (PEMU), two large companies (Acciona, Mercedes Benz), two universities (UPM, NEBRIJA), four research centres (Fortiss GmbH, Przemysłowy Instytut Automatyki i Pomiarów - PIAP-, Istituto Italiano di Tecnologia, Deutsches Zentrum fuer Luft- und Raumfahrt-DLR-) and three non-profit organisations (Pôle EMC2, Bulgarian Chamber of Commerce and Industry, Stichting Waag Society).

GET IN TOUCH WITH US

For all the latest news, please visit VOJEXT's [website](#). If you would like to contact us or subscribe for our newsletter, please drop us an email at contact@vojext.eu

Thank you for reading. Expect our 8th issue of VOJEXT's newsletter in July 2024.

