

VOJEXT

NEWSLETTER

Where human-robot collaboration meets cognition!

January 2021 | Issue 1



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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, its main aims and specific objectives [here](#). For all the latest updates, please follow us on social media:





VOJEXT'S ADDED VALUE

Use cases and open calls

VOJEXT demonstrates its value through five different experimental pilots; which will be evaluated in five different sectors (plastic textile, electronics, automotive, construction and creative architecture for urban regeneration); covering the construction and manufacturing sectors at large in four different locations (Spain, Hungary, Italy and Turkey). Vojext covers traditional and non-traditional areas for AI-robotics and cognitive ICT developments, extending its activities to new 15 demonstrators through open calls. Information about the use cases is available [here](#). You can read about the two open calls [here](#).

Collaboration with S+T+ARTS and I4MS

The Vojext project experimental path and effective implementation, is supported by the S+T+ARTS approach, using art-driven innovation. For this purpose, Vojext will engage artistic research and innovation methodologies by hosting two S+T+ARTS Residencies that will be selected through open calls in S+T+ARTS format and will invite artists, as art-science partners, to collaborate with Vojext technology, robotic, academic and industrial partners. More information about S+T+ARTS as well as I4MS, the other initiative with which Vojext will be closely collaborating, can be found [here](#).

Involvement of DIHs

VOJEXT brings new scenarios to the project, fostering scientific and business driven innovation under the umbrella of the Digital Innovation Hubs in Spain, Germany, Poland and France that specialise in robotics, artificial intelligence, automation and manufacturing, which will be linked to other seven DIHs in Hungary, Romania, Lithuania, Italy and United Kingdom through the advisory board.

LATEST NEWS AND DEVELOPMENTS

Open Call to SMEs

The first Vojext Open Call will distribute a total amount of €450.000 euros to extend the capacity and technology outreach of Vojext demonstrators by engaging tech SMEs in solving proposed technological challenges.



Projects must clearly fit within one of 7 challenges, which require advancing the state of the art, hence the participation of innovators is essential. The maximum amount of funding that each beneficiary may receive during the VOJEXT Open Call 1.1 is up to €100.000 and the number of grants is 5-8. Implementation of the selected projects will start in July 2021 and be divided in Sprints of 3-4 months. The application for the open call will be opened on 1st March 2021 (12 PM CET). The deadline for submitting proposals is 30th April 2021 (5 PM CET). You can find full information about the open call and application process, including a guide of applicants and the full set of application documents [here](#). Applications will be submitted via the dedicated [F6S platform](#). Watch the open calls' teaser video [here](#).

Launching of VOJEXT website

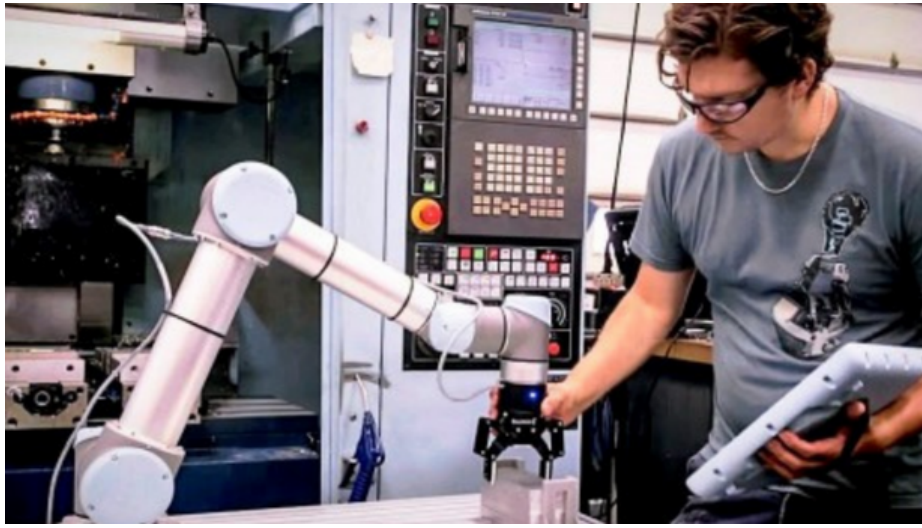
The official website of VOJEXT - <https://vojext.eu/> was launched in December 2020. The website provides detailed information about the project's main aim, specific objectives and partners. As one of the main dissemination and communication tools of VOJEXT, it will be used for informing stakeholders and the general public about the latest project developments, opportunities for participation and collaboration. The website will also serve as the main channel for the announcement of all the latest project news and upcoming events.

Use cases

VOJEXT consortium is in the process of defining and planning the use case demonstrators. The project foresees the implementation of five use case demonstrators in the following sectors - Plastics and polyurethanes in textile (pillows and mattresses) industry; Electronics; Automotive; Construction; Crafts, culture and creativity. Read more about the use cases [here](#).

S+T+ARTS Talk

The first S+T+ARTS Talk: "Robots are people too" took place on 8 December 2020. The event took a closer look at human and technological co-learning within the arts. It featured artist talks and a panel discussion with experts from the field of advanced robotic technologies. The participants in the talk had the opportunity to learn about the performative robots in the works of the artists Patrick Tresset, Madeline Gannon and Justine Emard. Watch full video of the event [here](#).



CALENDAR OF UPCOMING EVENTS

- 24-25 March 2021, Toronto (online) - [7th Annual Big Data and Analytics Summit](#)
- 12-16 April 2021, Hannover – [Hannover Messe](#)
- 13-14 April 2021, VOJEXT to be presented at [Virtual European Robotics Forum](#)
- 20-24 June 2021, New Orleans - [IEEE 7th World Forum on the Internet of Things](#)
- 22-24 June 2021, Stuttgart Trade Fair Centre – [LogiMAT](#) (International Trade Fair for Intralogistics Solutions and Process Management)

VOJEXT PARTNERS

Led by the Universidad Politécnica de Madrid (UPM), VOJEXT brings together a multidisciplinary and complementary consortium team consisting of twenty partners from 14 EU and associated countries. VOJEXT partners comprise 8 SMEs (Shadow, Robotnik, Tree Technologies, Technovation Solutions, Kontor 46, F6S Network Limited, Oficina Keller Napoles, 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, Stichting Waag Society).

Check out a map of all participating countries and short profiles of the partners [here](#).

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 2nd issue of VOJEXT's newsletter in July 2021.



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