Value Of Joint EXperimentation in digital Technologies for manufacturing and construction

S+T+ARTS Residency Open Call Text

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1. INTRODUCTION

This document provides information regarding the VOJEXT framework and associated Open Call 2 Pilot. All associated documents and annexes must be additionally considered for the submission of a Proposal.

Through Open Call 2 Pilot, the VOJEXT consortium aims to engage European SMEs and Mid-Caps to present solutions addressing specific technical challenges and experiments which will address the following areas and respective budgets:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Challenge 1 - Robotics in Construction</td>
<td>30,000 Eur</td>
</tr>
<tr>
<td>Challenge 2 - Robotics in Arts and Crafts / Construction</td>
<td>30,000 Eur</td>
</tr>
<tr>
<td>Mission 1 - Social Robots</td>
<td>30,000 Eur</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>90,000 Eur</strong></td>
</tr>
</tbody>
</table>

*Table 1: Challenges Briefing and Budget*

2. VOJEXT in Brief

VOJEXT (Value Of Joint EXperimentation in digital Technologies for manufacturing and construction) is a project funded by the European Commission under the European Union’s Horizon 2020 Digitizing and transforming European industry and services: digital innovation hubs and platforms program within the call topic ICT-03. The project was launched in July 2020 to provide a favorable business and technological framework to enable matchmaking and encourage producers and adopters (mainly SMEs including small crafters) of cognitive autonomous systems for human-robot interaction, specially “cobots”, dynamizing science-driven industry approaches for the European industry. For this purpose, VOJEXT partners commit to design, develop, validate and demonstrate affordable, market-oriented, agile, multipurpose and easy-to-repurpose, autonomous, mobile and dexterous robotic systems as the main component of a smart, agile and scalable cognitive CPS (Cyber-physical system) for industry.

VOJEXT consortium partners share a vision for recognizing and substantiating the value of joint experimentation in digital technologies in response to the needs and challenges faced by the manufacturing and construction industries. The project aims at delivering this vision through a cutting-edge research and strong knowledge ties to digital innovation hubs (DIHs) as drivers of innovation based economic development in Europe.

VOJEXT covers traditional and non-traditional areas for AI-robotics and cognitive ICT developments, aiming to extend to 15 experimental pilots, integrating SMEs through open calls. These Open Calls will gather the most innovative SMEs, that will bring new challenges into projects’ pilots and propose alternative scenarios. VOJEXT Artist Residencies are designed to work in alignment with the SMEs to
encourage artists to stimulate the creation of new products and technologies in different contexts focusing on alternative uses while introducing deeper and critical thinking around social relevance and situated practices of cognitive autonomous systems for human-robot interaction. VOJEXT Artist Residencies aim at delivering art driven innovation practices for further strengthening the VOJEXT vision through encouraging collaborative work between artists, VOJEXT technology partners and extended network of SMEs.

3. VOJEXT Open Call S+T+ARTS Residency

VOJEXT S+T+ARTS Residency is designed to work in alignment with VOJEXT technology partners and use case SMEs where relevant. The overarching goals are:

- To complement VOJEXT technology development efforts in extending the capacity and technology outreach of VOJEXT infrastructure by involving artists to work in collaboration with technology providers and possible use case SMEs working with VOJEXT APIs, and
- To develop art-driven innovation experiments expanding the scope of the existing technologies or use cases or deploying new ones –at DIH living labs and/or SMEs/mid-caps. This approach is planned to strengthen the impact/potential of VOJEXT technologies and approach towards digitizing and boosting European industry through the deployment of a) 2 challenge-driven and b) 1 mission-driven residencies.

Max. fund per grant: 30.000 EUR

Duration of the residency programme: 10 months

Number of Grants: 3 S+T+ARTS VOJEXT Residency

Call for proposals will be open from 2 December 2022 - 3 February 2023.

The Residency will start in March 2023.

The consortium deems that applicants explore and address one of the challenges presented in Table 1.

# 4. Announcement at EC Portal

<table>
<thead>
<tr>
<th>Announcement at EC Portal</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Call Title</strong></td>
</tr>
<tr>
<td><strong>Full name of the EU Funded Project</strong></td>
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<tr>
<td><strong>Project acronym</strong></td>
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<tr>
<td><strong>Grant agreement number</strong></td>
</tr>
<tr>
<td><strong>Call publication date</strong></td>
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<tr>
<td><strong>Call deadline</strong></td>
</tr>
<tr>
<td><strong>Expected duration of participation</strong></td>
</tr>
<tr>
<td><strong>Total Funding Available</strong></td>
</tr>
<tr>
<td><strong>Task description</strong></td>
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<tr>
<td><strong>Submission &amp; evaluation process:</strong></td>
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<tr>
<td><strong>Further information:</strong></td>
</tr>
</tbody>
</table>

*Table 2: Announcement at EC Portal*
5. Support to Applicants & Kit for Application

5.1. Support to applicants

The VOJEXT consortium will provide information to the applicants only via startsresidency@vojext.eu. No binding information will be provided via any other means (e.g. telephone or other email).

- Apply via: https://www.f6s.com/vojextstartsresidency/apply
- Support team: startsresidency@vojext.eu

5.2. Kit for Application

The VOJEXT S+T+ARTS Residency Open Call is supported by the following material/documents:

- The VOJEXT S+T+ARTS Residency Open Call Text (The present document)
- The VOJEXT S+T+ARTS Residency Guide for Applicants
- VOJEXT S+T+ARTS Residency Statement of Interest (initial application – concept)
- VOJEXT S+T+ARTS Residency Full Proposal Template

These documents provide in detail the information to help apply to the VOJEXT S+T+ARTS Residency Call such as an abstract of the VOJEXT action, a description of the open call, the modalities for application, the evaluation process, the scheme of the funding support, and how to prepare and submit a proposal. It is available at: https://vojext.eu/startsresidency