Digital Technologies, Advanced Robotics and increased Cyber-security for Agile Production in Future European Manufacturing Ecosystems

Fact Sheet

Project Information

TRINITY
Grant agreement ID: 825196

Project website

Status
Ongoing project

Funded under
H2020-EU.2.1.1.

End date
30 June 2023

Overall budget
€ 16 335 948,75

EU contribution
€ 15 997 267,25

Coordinated by
TAMPEREEN KORKEAKOULUSAATIO SR
Finland

Objective

The main objective of TRINITY is to create a network of multidisciplinary and synergistic local digital innovation hubs (DIHs) composed of research centers, companies, and university groups that cover a wide range of topics that can contribute to agile production: advanced robotics as the driving force and digital tools, data privacy and cyber security technologies to support the introduction of advanced robotic systems in the production processes. The result will be a one-stop shop for methods and tools to achieve highly intelligent, agile and reconfigurable production, which will ensure Europe’s welfare in the future. The network will start its operation by developing demonstrators in the areas of robotics we identified as the
most promising to advance agile production, e.g. collaborative robotics including sensory systems to ensure safety, effective user interfaces based on augmented reality and speech, reconfigurable robot workcells and peripheral equipment (fixtures, jigs, grippers, ...), programming by demonstration, IoT, secure wireless networks, etc. These demonstrators will serve as reference implementation for two rounds of open calls for application experiments, where companies with agile production needs and sound business plans will be supported by TRINITY DIHs to advance their manufacturing processes. Besides technology-centered services, primarily laboratories with advanced robot technologies and know-how to develop innovative application experiments, TRINITY network of DIHS will also offer training and consulting services, including support for business planning and access to financing. Services of participating DIHs and dissemination of information to wider public will be provided through a digital access point that will be developed in the project. Another important activity of the project will be the preparation of a business plan to sustain the network after the end of the project funding.

Field of science
/social sciences/economics and business/economics/production economics
/engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/robotics

Programme(s)

Topic(s)

Call for proposal
H2020-DT-2018-1

Funding Scheme
IA - Innovation action

Coordinator
TAMPEREEN KORKEAKOULUSAATIO SR

Address Activity type EU contribution

€ 9 123 750

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### Participants (15)

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<th>EU Contribution</th>
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<th>Activity Type</th>
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<td><strong>CENTRIA AMMATTIKORKEAKOULU OY</strong></td>
<td>Finland</td>
<td>€ 549 000</td>
<td>Talonpojankatu 2, 67100 Kokkola</td>
<td>Higher or Secondary Education Establishments</td>
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<td><strong>UNIVERSITETET I TROMSOE - NORGES ARKTISKE UNIVERSITET</strong></td>
<td>Norway</td>
<td>€ 587 125</td>
<td>Hansine Hansens Veg 14, 9019 Tromso</td>
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<td><strong>INSTITUT JOZEF STEFAN</strong></td>
<td>Slovenia</td>
<td>€ 476 562,50</td>
<td>Jamova 39, 1000 Ljubljana</td>
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<td><strong>PANEPISTIMIO PATRON</strong></td>
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<td>Oude Diestersebaan 133 3920 Lommel</td>
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<td>Elektronikas un datorzinatnu instituts</td>
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LEUVEN SECURITY EXCELLENCE CONSORTIUM L-SEC VZW

Belgium
EU contribution
€ 563 750

Address
Kasteelpark Arenberg 10
3001 Leuven

Activity type
Other

Fastems Oy Ab

Finland
EU contribution
€ 272 475

Address
Tuotekatu 4
33840 Tampere

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

LP-MONTAGETECHNIK GMBH

Germany
EU contribution
€ 175 131

Address
In Der Reuth 111
91056 Erlangen

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

F6S NETWORK LIMITED

United Kingdom
EU contribution
€ 152 950
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