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

Funded under
H2020-EU.2.1.1.

Start date
1 January 2019
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.

**Fields of science**

> > >

**Programme(s)**

**Topic(s)**

**Call for proposal**

H2020-DT-2018-1

**Funding Scheme**

Data not available

**Coordinator**

TAMPEREEN KORKEAKOULUSAATIO SR

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
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<tbody>
<tr>
<td>Kalevantie 4, 33100 Tampere</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 9 123 750</td>
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</tbody>
</table>
Participants (15)

CENTRIA AMMATTIKORKEAKOULU OY

Finland
EU contribution
€ 549 000

Address
Talonpojankatu 2
67100 Kokkola

Activity type
Higher or Secondary
Education Establishments

Website

Contact the organisation

UNIVERSITETET I TROMSOE - NORGES ARKTISKE UNIVERSITET

Norway
EU contribution
€ 587 125

Address
Hansine Hansens Veg 14
9019 Tromso

Activity type
Higher or Secondary
Education Establishments

Website

Contact the organisation

INSTITUT JOZEF STEFAN

Slovenia
EU contribution
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Address
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1000 Ljubljana

Activity type
Research Organisations

Website

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PANEPISTIMIO PATRON

Greece
EU contribution
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Activity type
Higher or Secondary
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BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM

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€ 393 750

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FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

EU contribution
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Hansastrasse 27C
80686 Munchen

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FLANDERS MAKE

EU contribution
€ 592 500

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3920 Lommel

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Website
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ELEKTRONIKAS UN DATORZINATNU INSTITUTS

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€ 293 750

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Dzerbenes Iela 14
1006 Riga

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Website
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LEUVEN SECURITY EXCELLENCE CONSORTIUM L-SEC VZW

Belgium
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Fastems Oy Ab

Finland
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€ 272 475

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LP-MONTAGETECHNIK GMBH

Germany
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F6S NETWORK LIMITED

United Kingdom
EU contribution
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Activity type: Private for-profit entities
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UAB CIVITTA

Lithuania

EU contribution

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Activity type

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COMITE EUROPEEN DE COOPERATION DES INDUSTRIES DE LA MACHINE-OUTIL CECIMO AISBL

Belgium

EU contribution

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Activity type

Other

Website

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TOPPINDUSTRISENTERET AS

Norway

EU contribution

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Activity type

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