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.

Overall budget
€ 16 335 948,75

EU contribution
€ 15 997 267,25

Coordinated by
TAMPEREEN KORKEAKOULUSAATIO SR
Finland

Start date
1 January 2019

End date
30 June 2023

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

Coordinator

TAMPEREEN KORKEAKOULUSAATIO SR

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

Website [link]  
Contact the organisation [link]
<table>
<thead>
<tr>
<th>Organization</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENTRIA AMMATTIKORKEAKOULU OY</td>
<td>Finland</td>
<td>€ 549 000</td>
<td>Talonpojankatu 2, 67100 Kokkola</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>UNIVERSITETET I TROMSOE - NORGES ARKTISKE UNIVERSITET</td>
<td>Norway</td>
<td>€ 587 125</td>
<td>Hansine Hansens Veg 14, 9019 Tromso</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>INSTITUT JOZEF STEFAN</td>
<td>Slovenia</td>
<td>€ 476 562,50</td>
<td>Jamova 39, 1000 Ljubljana</td>
<td>Research Organisations</td>
</tr>
<tr>
<td>PANEPISTIMIO PATRON</td>
<td>Greece</td>
<td>€ 751 875</td>
<td>University Campus Rio Patras, 265 04 Rio Patras</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
</tbody>
</table>
BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM

Hungary
EU contribution
€ 393 750

Address
Muegyetem Rakpart 3
1111 Budapest

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

Germany
EU contribution
€ 676 823,75

Address
Hansastrasse 27C
80686 Munchen

Activity type
Research Organisations

Website
Contact the organisation

FLANDERS MAKE

Belgium
EU contribution
€ 592 500

Address
Oude Diestersebaan 133
3920 Lommel

Activity type
Research Organisations

Website
Contact the organisation

ELEKTRONIKAS UN DATORZINATNU INSTITUTS

Latvia
EU contribution
€ 293 750

Address
Dzerbenes Iela 14
1006 Riga

Activity type
Research Organisations

Website
Contact the organisation

LEUVEN SECURITY EXCELLENCE CONSORTIUM L-SEC VZW
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
<th>Website</th>
<th>Contact organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEUVEN SECURITY EXCELLENCE CONSORTIUM LSEC VZW</td>
<td>Belgium</td>
<td>€ 563 750</td>
<td>Kasteelpark Arenberg 10</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastems Oy Ab</td>
<td>Finland</td>
<td>€ 272 475</td>
<td>Tuotekatu 4</td>
<td>Private for-profit entities</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>33840 Tampere</td>
<td>(excluding Higher or Secondary Education Establishments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-MONTAGETECHNIK GMBH</td>
<td>Germany</td>
<td>€ 175 131</td>
<td>In Der Reuth 111</td>
<td>Private for-profit entities</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>91056 Erlangen</td>
<td>(excluding Higher or Secondary Education Establishments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F6S NETWORK LIMITED</td>
<td>United Kingdom</td>
<td>€ 152 950</td>
<td>Kemp House City Road 152-160</td>
<td>Private for-profit entities</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EC1V 2NX London</td>
<td>(excluding Higher or Secondary Education Establishments)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
UAB CIVITTA

Lithuania
EU contribution
€ 189,700
Address: Gedimino Avenue 27, 01104 Vilnius
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

CECIMO - THE EUROPEAN COMMITTEE FOR THE CO-OPERATION OF THE MACHINE TOOLS

Belgium
EU contribution
€ 281,875
Address: Avenue Louise 66, 1050 Bruxelles
Activity type: Other

TOPPINDUSTRISENTERET AS

Norway
EU contribution
€ 916,250
Address: Gaustadalleen 21, 0349 Oslo
Activity type: Other

Last update: 29 December 2021
Record number: 219103
Permalink: https://cordis.europa.eu/project/id/825196