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

**Start date**
1 January 2019

**End date**
30 June 2023

**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

Coordinator

TAMPEREEN KORKEAkOUlUSAATIO SR

Website Contact the organisation

Address Activity type EU contribution
Kalevantie 4 Higher or Secondary € 9 123 750
33100 Tampere Education Establishments
Finland
Participants (15)

CENTRIA AMMATTIKORKEAKOU LU OY
Finland
EU contribution
€ 549 000
Address
Talonpojankatu 2
67100 Kokkola
Website
Activity type
Higher or Secondary
Education Establishments
Contact the organisation

UNIVERSITETET I TROMSOE - NORGES ARKTISKE UNIVERSITET
Norway
EU contribution
€ 587 125
Address
Hansine Hansens Veg 14
9019 Tromso
Website
Activity type
Higher or Secondary
Education Establishments
Contact the organisation

INSTITUT JOZEF STEFAN
Slovenia
EU contribution
€ 476 562,50
Address
Jamova 39
1000 Ljubljana
Website
Activity type
Research Organisations
Contact the organisation

PANEPISTIMIO PATRON
Greece
EU contribution
€ 751 875
Address
University Campus Rio Patras
265 04 Rio Patras
Website
Activity type
Higher or Secondary
Education Establishments
Contact the organisation
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<th>EU Contribution</th>
<th>Address</th>
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<td>BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM</td>
<td>Hungary</td>
<td>€ 393 750</td>
<td>Muegyetem Rakpart 3, 1111 Budapest</td>
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<td>FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV</td>
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<td>€ 676 823,75</td>
<td>Hansastrasse 27C, 80686 Munchen</td>
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<td>FLANDERS MAKE</td>
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<td>ELEKTRONIKAS UN DATORZINATNU INSTITUTS</td>
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<td>€ 293 750</td>
<td>Dzerbenes iela 14, 1006 Riga</td>
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LEUVEN SECURITY EXCELLENCE CONSORTIUM LSEC VZW
Belgium
EU contribution
€ 563 750

Address
Kasteelpark Arenberg 10
3001 Leuven

Activity type
Other

Contact the organisation

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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)

Website
Contact the organisation

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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)

Website
Contact the organisation

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F6S NETWORK LIMITED
United Kingdom
EU contribution
€ 152 950

Address
Kemp House City Road 152-160
EC1V 2NX London

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

Contact the organisation
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<td><strong>UAB CIVITTA</strong></td>
<td>Lithuania</td>
<td>€ 189,700</td>
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<td><strong>CECIMO - THE EUROPEAN COMMITTEE FOR THE CO-OPERATION OF THE MACHINE TOOLS</strong></td>
<td>Belgium</td>
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<td><strong>TOPPINDUSTRISENTERET AS</strong></td>
<td>Norway</td>
<td>€ 916,250</td>
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