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**

IA - Innovation action

**Coordinator**

**TAMPEREEN KORKEAKOULUSAATIO SR**

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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
€ 476 562,50
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Jamova 39
1000 Ljubljana
Activity type
Research Organisations
Website
Contact the organisation

PANEPISTIMIO PATRON
Greece
EU contribution
€ 751 875
Address
Website
Contact the organisation

Contact the organisation
BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM

*Hungary*

**EU contribution**: € 393 750

**Address**: Muegyetem Rakpart 3
1111 Budapest

**Activity type**: Higher or Secondary Education Establishments

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

*Germany*

**EU contribution**: € 676 823,75

**Address**: Hansastrasse 27C
80686 Munchen

**Activity type**: Research Organisations

FLANDERS MAKE

*Belgium*

**EU contribution**: € 592 500

**Address**: Oude Diestersebaan 133
3920 Lommel

**Activity type**: Research Organisations

ELEKTRONIKAS UN DATORZINATNU INSTITUTS

*Latvia*

**EU contribution**: € 293 750

**Address**: Dzerbenes lela 14
1006 Riga

**Activity type**: Research Organisations
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<td>Kemp House City Road 152</td>
<td>Private for-profit entities</td>
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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)
Contact the organisation

COMITE EUROPEEN DE COOPERATION DES INDUSTRIES DE LA MACHINE-OUTIL CECIMO AISBL
Belgium
EU contribution
€ 281 875
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Avenue Louise 66
1050 Bruxelles
Activity type
Other
Website
Contact the organisation

TOPPINDUSTRISENTERET AS
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EU contribution
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Activity type
Other
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