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.

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
31 December 2022

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/sociology/governance/public services
/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
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<th>Activity Type</th>
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<td>Finland</td>
<td>€ 549 000</td>
<td>Talonpojankatu 2</td>
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<td>€ 476 562,50</td>
<td>Jamova 39</td>
<td>1000 Ljubljana</td>
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BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM

Hungary
EU contribution
€ 393 750

Address
Muegyetem Rakpart 3
1111 Budapest

Website
Contact the organisation

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN
FORSCHUNG E.V.

Germany
EU contribution
€ 676 823,75

Address
Hansastrasse 27C
80686 Munchen

Website
Contact the organisation

FLANDERS MAKE

Belgium
EU contribution
€ 592 500

Address
Oude Diestersebaan 133
3920 Lommel

Website
Contact the organisation

ELEKTRONIKAS UN DATORZINATNU INSTITUTS

Latvia
EU contribution
€ 293 750

Address
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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
Address
Avenue Louise 66
1050 Bruxelles
Website
Activity type
Other
Contact the organisation

TOPPINDUSTRISENTERET AS
Norway
EU contribution
€ 916 250
Address
Gaustadalleen 21
0349 Oslo
Activity type
Other
Contact the organisation