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

Address
Kalevantie 4
33100 Tampere

Activity type
Higher or Secondary Education Establishments

EU contribution
€ 9 123 750
### Participants (15)

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<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity Type</th>
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<td>Finland</td>
<td>€ 549 000</td>
<td>Talonpojankatu 2, 67100 Kokkola</td>
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LEUVEN SECURITY EXCELLENCE CONSORTIUM L-SEC VZW

Belgium
EU contribution
€ 563 750
Address
Kasteelpark Arenberg 10
3001 Leuven
Contact the organisation

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

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

F6S NETWORK LIMITED

United Kingdom
EU contribution
€ 152 950
Address
Kemp House City Road 152
Activity type
Private for-profit entities
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<td>COMITE EUROPEEN DE COOPERATION DES INDUSTRIES DE LA MACHINE-OUTIL CECIMO AISBL</td>
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<td>TOPPINDUSTRISENTERET AS</td>
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