DETERMINISTIC E2E COMMUNICATION WITH 6G

Fact Sheet

Project Information

DETERMINISTIC6G
Grant agreement ID: 101096504
DOI
10.3030/101096504
EC signature date
17 November 2022
Funded under
Digital, Industry and Space
Total cost
€ 5 840 449,38
EU contribution
€ 5 484 377,00
Coordinated by
ERICSSON GMBH
Germany
Start date
1 January 2023
End date
30 June 2025

Project description

6G-Enabled end-to-end time-critical applications

The next-generation mobile communications system will forever change how people and things connect. 6G Technology will pave the way for a future in which the digital world fuses with the physical. Wired deterministic communication standards, time-sensitive networking (TSN) and deterministic networking (DetNet) have emerged, and 5G has mechanisms for interworking with those standards. However, the available support of 5G in conjunction with TSN and DetNet is not enough. The EU-funded DETERMINISTIC6G project will address challenges related to the new 6G architecture providing predictable performance and integrating it with TSN and DetNet, and the novel data-driven awareness of stochastically evolving network
performance. It will also leverage novel digital twins of 6G networks and cyberphysical systems.

**Fields of science**

- engineering and technology, electrical engineering, electronic engineering, information engineering
- information engineering, telecommunications, telecommunications networks, mobile network, 5G

**Keywords**

- Time-sensitive networking
- 6G
- Deterministic communication
- time-critical applications
- data-driven architecture

**Programme(s)**

HORIZON.2.4 - Digital, Industry and Space

**Topic(s)**

HORIZON-JU-SNS-2022-STREAM-B-01-01 - System Architecture

**Call for proposal**

HORIZON-JU-SNS-2022

See other projects for this call

**Funding Scheme**

HORIZON-JU-RIA - HORIZON JU Research and Innovation Actions

**Coordinator**
Participants (13)

**ERICSSON GMBH**

Net EU contribution
€ 317 812,00

Address
Prinzenallee 21
40549 Dusseldorf
Germany

Region
Nordrhein-Westfalen > Düsseldorf > Düsseldorf, Kreisfreie Stadt

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

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 35 313,00

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**MONTIMAGE EURLE**

Net EU contribution
€ 401 062,00

Address
Rue bobillot 39
75013 Paris

SME
Yes

Region
Ile-de-France > Ile-de-France > Paris

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

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 44 563,00

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SILICON AUSTRIA LABS GMBH

Austria

Net EU contribution

€ 606 378,75

Address

Sandgasse 34
8010 Graz

Region

Südösterreich > Steiermark > Graz

Activity type

Research Organisations

Links

Contact the organisation

Participation in EU R&I programmes

HORIZON collaboration network

Other funding

€ 0,00

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CUMUCORE OY

Finland

Net EU contribution

€ 531 562,00

Address

Gustav pauliginkatu 10 a 13
00990 Helsinki

SME

Yes

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 59 063,00

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KUNGLIGA TEKNISKA HOEGSKOLAN
Sweden
Net EU contribution
€ 781 720,00

Address
Brinellvagen 8
100 44 Stockholm

Region
Östra Sverige > Stockholm > Stockholms län

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

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UNIVERSITY OF STUTTGART
Germany
Net EU contribution
€ 694 150,00

Address
Keplerstrasse 7
70174 Stuttgart
Baden-Württemberg > Stuttgart > Stuttgart, Stadtkreis

Activity type: Higher or Secondary Education Establishments

Links:
- Contact the organisation
- Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding: € 0,00

ERICSSON MAGYARORSZAG KOMMUNIKACIOS RENDSZEREK KFT

Hungary
Net EU contribution: € 216 990,00

Address:
Magyar tudosok korutja 11
1117 Budapest

Region: Közép-Magyarország > Budapest > Budapest

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

Links:
- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding: € 24 110,00

ERICSSON AB

Sweden
Net EU contribution: € 413 437,00

Address: 6 of 10
Torshamngatan 23
164 80 Stockholm
Region
Östra Sverige > Stockholm > Stockholms län
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation ☞ Website ☞ Participation in EU R&I programmes ☞ HORIZON collaboration network ☞
Other funding
€ 45 938,00

OY L M ERICSSON AB
Finland
Net EU contribution
€ 72 000,00
Address
Jorvas
02420 Jorvas
Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation ☞ Website ☞ Participation in EU R&I programmes ☞ HORIZON collaboration network ☞
Other funding
€ 8 000,00

B&R INDUSTRIAL AUTOMATION GMBH
Austria
Net EU contribution
€ 326 639,40

Address
B&R strasse 1
5142 Eggelsberg

Region
Westösterreich > Oberösterreich > Innviertel

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

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 36 293,48

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ABB AB

Sweden

Net EU contribution
€ 201 198,60

Address
Kopparbergsvagen 2
721 71 Vasterås

Region
Östra Sverige > Östra Mellansverige > Västmanlands län

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

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 22 355,40

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ORANGE SA
France

Net EU contribution

€ 453,927,25

Address

111 quai du president roosevelt
92130 Issy les moulineaux

Region

Île-de-France > Île-de-France > Hauts-de-Seine

Activity type

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

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 50,436,50

IUVO SRL

Italy

Net EU contribution

€ 270,000,00

Address

Via puglie 9
56025 Pontedera

Region

Centro (IT) > Toscana > Pisa

Activity type

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

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 30,000,00
SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO S ANNA

Italy

Net EU contribution

€ 197 500,00

Address

Piazza martiri della liberta 33
56127 Pisa

Region

Centro (IT) > Toscana > Pisa

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding

€ 0,00

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Permalink: https://cordis.europa.eu/project/id/101096504

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