Automated zero-touch cross-layer provisioning framework for 5G and beyond vertical services

Fact Sheet

Project Information

ACROSS
Grant agreement ID: 101097122

DOI
10.3030/101097122

EC signature date
30 November 2022

Start date
1 January 2023
End date
31 December 2025

Funded under
Digital, Industry and Space

Total cost
€ 6 398 063,75

EU contribution
€ 5 901 405,00

Coordinated by
NOVA TELECOMMUNICATIONS & MEDIA SINGLE MEMBER SA
Greece

Project description

New platform and framework for next-gen communication

The arrival of 5G communications, and the emergency of Beyond 5G and 6G, have led to the automation of many industries worldwide. As a result, there is a growing need for advanced management methods and services for these expanding systems. The EU-funded ACROSS project aims to develop an end-to-end service and management platform for next generation networks that will help achieve improved performance, adaptability, growth, energy efficiency and automation. To do this, the platform will utilise a number of innovative technologies as well as implement a
system of a highly distributed grid of domain-level orchestrators overseen by another cloud-managed multi-domain orchestrator.

**Fields of science**

- engineering and technology  >  electrical engineering, electronic engineering, information engineering  >  information engineering  >  telecommunications  >  telecommunications networks  >  mobile network  >  5G  
- natural sciences  >  computer and information sciences  >  internet  >  internet of things  
- social sciences  >  sociology  >  industrial relations  >  automation  
- natural sciences  >  biological sciences  >  ecology  >  ecosystems  

**Keywords**

- 5G  
- 6G  
- service orchestration  
- zero-touch provisioning  
- AI  
- telemetry  
- trust and security  

**Programme(s)**

- HORIZON.2.4 - Digital, Industry and Space  

**Topic(s)**


**Call for proposal**

- HORIZON-JU-SNS-2022  

**Funding Scheme**

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

NOVA TELECOMMUNICATIONS & MEDIA SINGLE MEMBER SA
Net EU contribution
€ 525 375,00
Address
Leoforos athinon 106
104 42 Athina
Greece
Region
Αττική > Αττική > Κεντρικός Τομέας Αθηνών
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
€ 58 375,00

Participants (11)

NOKIA SOLUTIONS AND NETWORKS ISRAEL LTD
Israel
Net EU contribution
€ 563 062,00
Address
16 atir yeda st
4464321 Kfar saba
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
L.M. ERICSSON LIMITED

Ireland

Net EU contribution

€ 400 962,00

Address

Beech hill clonskeagh
Dublin 4

Region

Ireland > Eastern and Midland > Dublin

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

€ 44 551,75

NEC LABORATORIES EUROPE GMBH

Germany

Net EU contribution

€ 491 557,00

Address

Kurfursten-anlage 36
69115 Heidelberg

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

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

Links
TELEFONICA INVESTIGACION Y DESARROLLO SA

Spain

Net EU contribution
€ 481 387,00

Address
Ronda de la comunicacion s/n distrito c edificio oeste i
28050 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

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

Other funding
€ 53 488,00

CENTRE TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA

Spain

Net EU contribution
€ 474 750,00

Address
Avinguda carl friedrich gauss 7 parc mediterrani de tecnologia
08860 Castelldefels barcelona

Region
Este > Cataluña > Barcelona

Activity type
PANEPISTIMIO PATRON

Greece

Net EU contribution

€ 511 250,00

Address

University campus rio patras

265 04 Rio patras

Region

Κεντρική Ελλάδα > Δυτική Ελλάδα > Αχαΐα

Activity type

Higher or Secondary Education Establishments

UNIVERSIDAD POLITECNICA DE MADRID

Spain

Net EU contribution

€ 445 500,00

Address

Calle ramiro de maestu 7 edificio rectorado

28040 Madrid
Comunidad de Madrid > Comunidad de Madrid > Madrid

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

UBITECH LIMITED

Cyprus
Net EU contribution
€ 626 625,00

Address
26 nikou & despinas pattchi
3071 Limassol

SME
Yes

Region
Κύπρος > Κύπρος > Κύπρος

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
€ 69 625,00

K3Y
Bulgaria
Net EU contribution
€ 362 250,00
Address
Borovo resident block 227 entr.a floor 6 ap.19 krasno selo region
1680 Sofia

SME Yes

Region
Югозападна и Южна централна България > Югозападен > София (столица)

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
€ 40 250,00

INLECOM COMMERCIAL PATHWAYS COMPANY LIMITED BY GUARANTEE

Ireland

Net EU contribution
€ 585 562,00

Address
Room 12 - gateway business suites the reeks gateway killarney
V93 PPA0 Kerry

SME Yes

Region
Ireland > Southern > South-West

Activity type
Research Organisations

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

Other funding
€ 65 063,00
WINGS ICT SOLUTIONS TECHNOLOGIES PLIROFORIKIS KAI EPIKOINONION ANONYMI ETAIREIA

Greece

Net EU contribution
€ 433 125,00

Address
189, syggrou avenue
171 21 Nea smyrni

SME
Yes

Region
Αττική > Αττική > Νότιος Τομέας Αθηνών

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
€ 48 125,00

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European Union, 2023