Ethical Design of Holography with Dense wireless Networks

Fact Sheet

Project Information

HOLDEN
Grant agreement ID: 101099491

Funded under
The European Innovation Council (EIC)

DOI
10.3030/101099491

Total cost
€ 2 449 926,50

EU contribution
€ 2 449 926,00

Start date
1 June 2023
End date
31 May 2026

Coordinated by
AALTO KORKEAKOULUSAATIO SR
Finland

Project description

Secure radio frequency sensing to revolutionise perception

Radio frequency (RF) signals detect and measure objects, subjects and gestures in the environment. The first step is to emit RF signals. The second step is to analyse the signals that bounce back or are scattered by objects in the environment. It is possible to detect and locate objects and to recognise hand gestures. In this context, the EU-funded HOLDEN project will push the boundaries of RF-based sensing to develop solutions that are privacy-preserving and ethically compliant. Specifically, it will pave the way for a future where ubiquitous perception is both reliable and secure. Through interdisciplinary collaboration and a strong commitment to social responsibility, HOLDEN will revolutionise how we perceive and interact with the world.
Fields of science

- engineering and technology
- electrical engineering, electronic engineering, information engineering
- electronic engineering
- signal processing

Programme(s)

HORIZON.3.1 - The European Innovation Council (EIC)  

Topic(s)

HORIZON-EIC-2022-PATHFINDEROPEN-01-01 - EIC Pathfinder Open 2022

Call for proposal

HORIZON-EIC-2022-PATHFINDEROPEN-01

See other projects for this call

Funding Scheme

EIC - EIC

Coordinator

AALTO KORKEAKOULUSAATIO SR

Net EU contribution
€ 562 789,00

Address
Otakaari 1
02150 Espoo
Finland

Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type
Higher or Secondary Education Establishments
Participants (4)

CONSIGLIO NAZIONALE DELLE RICERCHE
Italy
Net EU contribution
€ 412 965,00
Address
Piazzale aldo moro 7
00185 Roma
Region
Centro (IT) > Lazio > Roma
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

TECHNISCHE UNIVERSITAET MUENCHEN
Germany
Net EU contribution
€ 499 160,00
Address
Arcisstrasse 21
80333 Muenchen
Region
Bayern > Oberbayern > München, Kreisfreie Stadt
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
UNIVERSITEIT TWENTE

Netherlands

Net EU contribution

€ 499 006,00

Address

Drienerlolaan 5
7522 NB Enschede

Region

Oost-Nederland > Overijssel > Twente

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,25

ADANT SRL

Italy

Net EU contribution

€ 476 006,00

Address

Corso stati uniti 18b
35127 Padova

SME Yes
Region
Nord-Est > Veneto > Padova

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
€ 0.25

EC signature date 13 December 2022
Last update: 24 May 2023

Permalink: https://cordis.europa.eu/project/id/101099491

European Union, 2023