Hospital Smart development based on AI

Fact Sheet

**Project Information**

**HosmartAI**

- Grant agreement ID: 101016834
- DOI: 10.3030/101016834

**Funded under**

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

**Total cost**

€ 11 898 695

**EU contribution**

€ 9 997 244

**Coordinated by**

NETCOMPANY - INTRASOFT

Belgium

**Start date**

1 January 2021

**End date**

31 May 2024

**Project description**

Innovative platform for robotics and AI technology integration

The main objective of the EU-funded HosmartAI project is to promote an effective and efficient healthcare system transformation through the use of technological developments in artificial intelligence (AI) and robotics. To achieve this transformation, HosmartAI will create a common open Integration Platform with the necessary tools to facilitate and measure the benefits of integrating digital technologies in hospitals and care facilities. The platform will be validated through eight large-scale pilots, which also target advancements in cancer, gastrointestinal disorders, cardiovascular diseases, thoracic disorders, neurological diseases, ageing and elderly care, and pregnancy.
Objective

"HosmartAI will create a common open Integration Platform with the necessary tools to facilitate and measure the benefits of integrating digital technologies (robotics and AI) in the healthcare system. A central hub will offer multi-faceted lasting functionalities (Marketplace, Co-creation space, Benchmarking) to healthcare stakeholders, combined with a collection of methods, tools and solutions to integrate and deploy AI-enabled solutions. The Benchmarking tool will promote the adoption in new settings, while enabling a meeting place for technology providers and end-users. Eight Large-Scale Pilots will implement and evaluate improvements in medical diagnosis, surgical interventions, prevention and treatment of diseases, and support for rehabilitation and long-term care in several Hospital and care settings. The project will target different medical aspects or manifestations such as Cancer (Pilot #1, #2 and #8); Gastrointestinal (GI) disorders (Pilot #1); Cardiovascular diseases (Pilot #1, #4, #5 and #7); Thoracic Disorders (Pilot #5); Neurological diseases (Pilot #3); Elderly Care and Neuropsychological Rehabilitation (Pilot #6); Fetal Growth Restriction (FGR) and Prematurity (Pilot #1). To ensure a user-centred approach, harmonization in the process (e.g. regarding ethical aspects, standardization, and robustness both from a technical and social and healthcare perspective), the living lab methodology will be employed. HosmartAI will identify the appropriate instruments (KPI) that measure efficiency without undermining access or quality of care. Liaison and co-operation activities with relevant stakeholders and open calls will enable ecosystem building and industrial clustering. HosmartAI brings together a consortium of leading organizations (3 large enterprises, 8 SMEs, 5 hospitals, 4 universities, 2 research centres and 2 associations) along with several more committed organizations (Letters of Support provided)."

Fields of science

medical and health sciences › clinical medicine › physiotherapy
medical and health sciences › clinical medicine › obstetrics › fetal medicine
medical and health sciences › clinical medicine › surgery › surgical procedures
medical and health sciences › clinical medicine › cardiology › cardiovascular diseases
engineering and technology › electrical engineering, electronic engineering, information engineering › electronic engineering › robotics

Programme(s)

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)  MAIN PROGRAMME
Topic(s)

DT-ICT-12-2020 - AI for the smart hospital of the future

Call for proposal

H2020-DT-2018-2020

See other projects for this call

Sub call

H2020-DT-2020-1

Funding Scheme

IA - Innovation action

Coordinator

NETCOMPANY - INTRASOFT

Net EU contribution

€ 248 237,00

Address

Place Du Champ De Mars 5/10
1050 Bruxelles
Belgium

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

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

€ 106 388,00
Participants (26)

THIRD-PARTY

**NETCOMPANY-INTRASOFT SA**

- **Luxembourg**
- **Net EU contribution**
  - € 477 400,00

**Address**

*Rue Nicolas Bove 2b*
*1253 Luxembourg*

**Region**

Luxembourg > Luxembourg > Luxembourg

**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**

€ 204 600,00

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**PHILIPS MEDICAL SYSTEMS NEDERLAND BV**

- **Netherlands**
- **Net EU contribution**
  - € 753 025,00

**Address**

*Veenpluis 6*
*5684 PC Best*

**Region**

Noord-Brabant > Zuidoost-Noord-Brabant

**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
€ 322 725,00

VIMAR SPA
Italy
Net EU contribution
€ 512 838,00
Address
Viale Vicenza 14
36063 Marostica Vi
Region
Nord-Est > Veneto > Vicenza
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
€ 219 788,25

GREEN COMMUNICATIONS SAS
France
Net EU contribution
€ 299 250,00
Address
6 Rue Emile Dubois
75014 Paris
SME
Yes
Region
Ile-de-France > Ile-de-France > Paris
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
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
€ 128 250,00

TELEMATIC MEDICAL APPLICATIONS EMPORIA KAI ANAPTIXI PROIONTON TILIATRIKIS MONOPROSOPIK ETAINIA PERIORISMEKIS EYTHINIS

Greece
Net EU contribution
€ 287 175,00

Address
Street Skra N.1-3
17673 Kallithea

SME
Yes

Region
Νότιος Τομέας Αθηνών > Αττική > Αττική

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
€ 123 075,00

ECLEXYS SAGL

Switzerland
Net EU contribution
€ 518 812,00

Address
Via Dell Inglese 6
6826 Riva San Vitale
F6S NETWORK IRELAND LIMITED

Ireland
Net EU contribution
€ 139 956,00

Address
39 Fitzwilliam Place
D02 ND61 Dublin

SME
Yes

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
€ 59 981,50

F6S NETWORK LIMITED

United Kingdom

THIRD-PARTY

F6S NETWORK LIMITED
PHARMECONS EASY ACCESS LTD

United Kingdom
Net EU contribution
€ 210,175.00

Address
63-65 Heworth Road, York
YO31 0AA York

SME
Yes

Region
Yorkshire and the Humber > North Yorkshire > York

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
€ 8,506.50
SMARTSOL SIA
Latvia
Net EU contribution
€ 194 862,00
Address
Dzerbenes Iela 14
1006 Riga
SME
Yes
Region
Latvija > Latvija > Riga
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
€ 83 513,00

NINETY ONE GMBH
Germany
Net EU contribution
€ 252 175,00
Address
Worringer Strasse 64
40211 Dusseldorf
SME
Yes
Region
Nordrhein-Westfalen > Düsseldorf > Düsseldorf, Kreisfreie Stadt
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
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
€ 108 075,00

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HEALTH INNOVATION HUB & HOLDING GMBH
Germany
Net EU contribution
€ 257 950,00

Address
Sandhofer Strasse 116
68305 Mannheim

Region
Baden-Württemberg > Karlsruhe > Mannheim, Stadtkreis

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
€ 110 550,00

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Univerzitetni klinični center Maribor
Slovenia
Net EU contribution
€ 306 500,00

Address
Ljubljanska Ulica 5
2000 Maribor

Region
Slovenija > Vzhodna Slovenija > Podravska
SAN CAMILLO IRCCS SRL

Italy

Net EU contribution

€ 234 675,00

Address

Via Alberoni 70
30126 Venezia

Region

Nord-Est > Veneto > Venezia

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

€ 100 575,00

SERVICIO MADRILENO DE SALUD

Spain

Net EU contribution

€ 50 625,00

Address

Plaza Carlos Trias Bertran 7
28020 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

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

Other funding
€ 0,00

THIRD-PARTY
FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL UNIVERSIATRIO LA PAZ
Spain
Net EU contribution
€ 147 750,00

Address
Paseo De La Castellana 261
28046 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Other

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

Other funding
€ 0,00

CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE
Belgium
Net EU contribution
€ 361 500,00

Address
Avenue De L Hospital 1
**Avenue De L'Hopital 1**

4000 Liege

**Region**

Région wallonne > Prov. Liège > Arr. Liège

**Activity type**

Research Organisations

**Links**

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

**Other funding**

€ 0,00

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**PANEPISTIMIAKO GENIKO NOSOKOMEIO THESSALONIKIS AXEPA**

🌐 Greece

**Net EU contribution**

€ 225 000,00

**Address**

Stilponos Kyriakidi 1

54636 Thessaloniki

**Region**

Θεσσαλονίκη > Κεντρική Μακεδονία > Βόρεια Ελλάδα

**Activity type**

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

**Links**

Contact the organisation [🔗]  Participation in EU R&I programmes [🔗]  HORIZON collaboration network [🔗]

**Other funding**

€ 0,00

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**VRIJE UNIVERSITEIT BRUSSEL**

🇧🇪 Belgium

**Net EU contribution**

€ 589 500,00
ARISTOTELIO PANEPISTIMIO THESSALONIKIS

Greece

Net EU contribution
€ 517 750,00

Address
Kedea Building, Tritis Septemvriou, Aristotle University Campus
546 36 Thessaloniki

Region
Θεσσαλονίκη > Κεντρική Μακεδονία > Βόρεια Ελλάδα

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

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH
Switzerland

Net EU contribution

€ 545 913,00

Address
Raemistrasse 101
8092 Zuerich

Region
Schweiz/Suisse/Svizzera > Zürich > Zürich

Activity type
Higher or Secondary Education Establishments

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

Other funding
€ 0,75

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UNIVERZA V MARIBORU

Slovenia

Net EU contribution

€ 442 750,00

Address
Slomskov Trg 15
2000 Maribor

Region
Slovenija > Vzhodna Slovenija > Podravska

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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FUNDACION INSTITUTO TECNOLOGICO DE CASTILLA Y LEON

Spain
Net EU contribution
€ 1 362 125,00

Address
Calle Lopez Bravo 70 Poligono Industrial
09001 Villalonquejar Burgos

Region
Castilla y León > Burgos

Activity type
Research Organisations

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

Other funding
€ 0,00

FUNDACION INTRAS

Spain
Net EU contribution
€ 548 100,00

Address
Calle Martin Santos Romero, Num. 1
47016 Valladolid

Region
Castilla y León > Valladolid

Activity type
Research Organisations

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

Other funding
€ 0,00
ASSOCIATION EUROPEAN FEDERATION FOR MEDICAL INFORMATICS

Switzerland
Net EU contribution
€ 255 000,00

Address
Chemin De Maillefer 37
1052 Le Mont-sur-lausanne
Region
Schweiz/Suisse/Svizzera > Région lémanique > Vaud
Activity type
Other
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

FEDERATION EUROPEENNE DES HOPITAUX ET DES SOINS DE SANTE

Belgium
Net EU contribution
€ 208 020,00

Address
Avenue Marnix 30/17
1000 Bruxelles
Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad
Activity type
Other
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00