Hospital Smart development based on AI

Fact Sheet

Project Information

**HosmartAI**

Grant agreement ID: 101016834

**Funded under**

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

**Start date**

1 January 2021

**End date**

31 May 2024

**Total cost**

€ 11 898 695

**EU contribution**

€ 9 997 244

**Coordinated by**

NETCOMPANY - INTRASOFT

Belgium

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 › cardiology › cardiovascular diseases
medical and health sciences › clinical medicine › surgery › surgical procedures

Programme(s)

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

Topic(s)
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

Contact the organisation

Activity type

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

Region

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

Non-EU contribution

€ 106,388,00

Participation in EU R&I programmes

Participants (26)
### NETCOMPANY-INTRASOFT SA

**Luxembourg**

**Net EU contribution**  
€ 477,400.00

**Address**  
Rue Nicolas Bove 2B  
1253 Luxembourg

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

**Non-EU contribution**  
€ 204,600.00

**Region**  
Luxembourg

### PHILIPS MEDICAL SYSTEMS NEDERLAND BV

**Netherlands**

**Net EU contribution**  
€ 753,025.00

**Address**  
Veenpluis 6  
5684 PC Best

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

**Non-EU contribution**  
€ 322,725.00

**Region**  
Zuid-Nederland > Noord-Brabant > Zuidoost-Noord-Brabant

### VIMAR SPA

**Italy**

**Net EU contribution**  
€ 512,838.00

**Address**  

**Activity type**  

**Non-EU contribution**  

**Region**  

GREEN COMMUNICATIONS SAS

Address
6 Rue Emile Dubois
75014 Paris

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

SME
Yes

Net EU contribution
€ 299 250,00

Non-EU contribution
€ 128 250,00

TELEMATIC MEDICAL APPLICATIONS EMPORIA KAI ANAPTIXI PROIONTON TILIATRIS MONOPROSOPIKI ETAIRIA PERIORISMENIS EYTHINIS

Address
Street Skra N.1-3
17673 Kallithea

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

SME
Yes

Net EU contribution
€ 287 175,00

Non-EU contribution
€ 123 075,00
ECLEXYS SAGL

Switzerland

Net EU contribution
€ 518 812,00

SME Yes

Address
Via Dell Inglese 6
6826 Riva San Vitale

Contact the organisation

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

Non-EU contribution
€ 222 348,00

Website
Participation in EU R&I programmes

F6S NETWORK IRELAND LIMITED

Ireland

Net EU contribution
€ 139 956,00

SME Yes

Address
39 Fitzwilliam Place Dublin 2
North Wall Quay
D02ND6 Dublin

Contact the organisation

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

Non-EU contribution
€ 59 981,50

Region
Ireland > Eastern and Midland > Dublin

Participation in EU R&I programmes
**F6S NETWORK LIMITED**

United Kingdom

Net EU contribution € 50 181,00

SME Yes

Address Kemp House City Road 152-160 EC1V 2NX London

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

Non-EU contribution € 21 506,50

Region London > Inner London — East > Haringey and Islington

Contact the organisation

**PHARMECONS EASY ACCESS LTD**

United Kingdom

Net EU contribution € 210 175,00

SME Yes

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

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

Non-EU contribution € 90 075,00

Region Yorkshire and the Humber > North Yorkshire > York

Contact the organisation

**SMARTSOL SIA**

Latvia

Net EU contribution € 194 862,00

SME Yes

Activity type

Non-EU contribution
<table>
<thead>
<tr>
<th>Address</th>
<th>Private for-profit entities (excluding Higher or Secondary Education Establishments)</th>
<th>Net EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dzerbenes Iela 14 1006 Riga</td>
<td></td>
<td>€ 83 513,00</td>
</tr>
<tr>
<td>Contact the organisation [x]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region</td>
<td>Participation in EU R&amp;I programmes [x]</td>
<td></td>
</tr>
<tr>
<td>LATVIJA &gt; Latvia &gt; Riga</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Address</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td>Non-EU contribution</td>
</tr>
<tr>
<td>Worringer Strasse 64 40211 Dusseldorf</td>
<td></td>
<td>€ 108 075,00</td>
</tr>
<tr>
<td>Contact the organisation [x]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region</td>
<td>Participation in EU R&amp;I programmes [x]</td>
<td></td>
</tr>
<tr>
<td>Nordrhein-Westfalen &gt; Düsseldorf &gt; Düsseldorf, Kreisfreie Stadt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Address</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td>Non-EU contribution</td>
</tr>
<tr>
<td>Sandhofer Strasse 116 68305 Mannheim</td>
<td></td>
<td>€ 110 550,00</td>
</tr>
<tr>
<td>Contact the organisation [x]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region</td>
<td>Participation in EU R&amp;I programmes [x]</td>
<td></td>
</tr>
<tr>
<td>Baden-Württemberg &gt; Karlsruhe &gt; Mannheim,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation</td>
<td>Country</td>
<td>Net EU contribution</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Univerzitetni klinicni center Maribor</td>
<td>Slovenia</td>
<td>€ 306 500,00</td>
</tr>
<tr>
<td>SAN CAMILLO IRCCS SRL</td>
<td>Italy</td>
<td>€ 234 675,00</td>
</tr>
<tr>
<td>SERVICIO MADRILENO DE SALUD</td>
<td>Spain</td>
<td>€ 50 625,00</td>
</tr>
</tbody>
</table>
Address
Plaza Carlos Trias Bertran 7
28020 Madrid
Contact the organisation

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

Non-EU contribution
€ 0,00

Region
Comunidad de Madrid
Comunidad de Madrid
Madrid

Website
Participation in EU R&I programmes

---

THIRD-PARTY

FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL UNIVERSITARIOS LA PAZ
Spain

Net EU contribution
€ 147 750,00

Address
Paseo De La Castellana 261
28046 Madrid

Activity type
Other

Non-EU contribution
€ 0,00

Contact the organisation

Region
Comunidad de Madrid
Comunidad de Madrid
Madrid

Participation in EU R&I programmes

---

CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE
Belgium

Net EU contribution
€ 361 500,00

Address
Avenue De L Hopital 1
4000 Liege

Contact the organisation

Activity type
Research Organisations

Non-EU contribution
€ 0,00

Region
Belgium
PANEPISTIMIAKO GENIKO NOSOKOMEIO THESSALONIKIS AXEPA
Greece

Net EU contribution
€ 225 000,00

Address
Stilponos Kyriakidi 1
54636 Thessaloniki

Contact the organisation

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

Non-EU contribution
€ 0,00

VRIJE UNIVERSITEIT BRUSSEL
Belgium

Net EU contribution
€ 589 500,00

Address
Pleinlaan 2
1050 Brussel

Contact the organisation

Activity type
Higher or Secondary Education Establishments

Non-EU contribution
€ 0,00
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Net EU contribution</th>
<th>Address</th>
<th>Activity type</th>
<th>Non-EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARISTOTELIO PANEPISTIMIO THESSALONIKIS</td>
<td>€ 517 750,00</td>
<td>Kedea Building, Tritis Septemvriou, Aristotle Univ Campus 54636 Thessaloniki</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 0,00</td>
</tr>
<tr>
<td>EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH</td>
<td>€ 545 913,00</td>
<td>Raemistrasse 101 8092 Zuerich</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 0,75</td>
</tr>
<tr>
<td>UNIVERZA V MARIBORU</td>
<td>€ 442 750,00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region</td>
<td>Activity type</td>
<td>Non-EU contribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>---------------</td>
<td>---------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slovenia &gt; Vzhodna Slovenija &gt; Podravska</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 0,00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vzhodna Slovenija</td>
<td>Participation in EU R&amp;I programmes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Castilla y León &gt; Burgos</td>
<td>Participation in EU R&amp;I programmes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

Activity type

Research Organisations

Region

Castilla y León

Contact the organisation

**FUNDACION INTRAS**

Spain

Net EU contribution

€ 548 100,00

Address

Calle Martin Santos Romero, Num. 1
47016 Valladolid

Activity type

Research Organisations

Region

Castilla y León

Contact the organisation
### ASSOCIATION EUROPEAN FEDERATION FORMEDICAL INFORMATICS

**Switzerland**

- **Net EU contribution**: € 255 000,00
- **Address**: Chemin De Maillefer 37, 1052 Le Mont-sur-lausanne
- **Activity type**: Other
- **Non-EU contribution**: € 0,00

Contact the organisation

Participation in EU R&I programmes

### FEDERATION EUROPEENNE DES HOPITAUX ET DES SOINS DE SANTE

**Belgium**

- **Net EU contribution**: € 208 020,00
- **Address**: Avenue Marnix 30/17, 1000 Bruxelles
- **Activity type**: Other
- **Non-EU contribution**: € 0,00

Contact the organisation

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

Website

Participation in EU R&I programmes

**EC signature date**: 18 December 2020

**Last update**: 2 January 2022

**Record number**: 232881