

# **Imperial College London Participation**

Cluster 4: Digital, Industry & Space

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## **Introduction**

This booklet comprises the Horizon Europe Projects under Cluster 4 'Digital, Industry & Space' that Imperial participates in as an Associated Partner. Funding from UKRI Horizon Guarantee.

# Sustainable exploration for orthomagmatic (critical) raw materials in the EU: Charting the road to the green energy transition

## Fact Sheet

### Project Information

**SEMACRET**

Grant agreement ID: 101057741

**DOI**

[10.3030/101057741](https://doi.org/10.3030/101057741) ↗

**EC signature date**

20 May 2022

**Start date**

1 June 2022

**End date**

31 May 2025

**Funded under**

Digital, Industry and Space

**Total cost**

€ 6 672 184,25

**EU contribution**

€ 6 672 182,50

**Coordinated by**

OULUN YLIOPISTO



## Project description

### Sustainable exploration for orthomagmatic CRMs

Critical raw materials (CRMs) are crucial to Europe's green energy transition. Orthomagmatic mineral systems host important green transition (critical) raw materials (GTRM) including Ni, Cu, Co, V, Ti, Cr, and platinum-group elements (PGE). Although the EU has the potential for more mines in several member states, there are currently only 2 mines in operation. The EU-funded SEMACRET project will conduct research in Finland, Portugal, Poland, and Czechia to develop socially and environmentally sustainable means of exploration for orthomagmatic CRMs. The

project will apply, for the first time in the EU, the mineral systems approach to guide exploration for orthomagmatic CRMs and generate improved ore models for orthomagmatic mineral deposits.

## Fields of science

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > [renewable energy](#)

[engineering and technology](#) > [environmental engineering](#) > [mining and mineral processing](#)

[social sciences](#) > [political sciences](#) > [government systems](#)

## Keywords

[Sustainable exploration](#)

[green transition](#)

[critical raw material](#)

[orthomagmatic ore deposit](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)

MAIN PROGRAMME

[HORIZON.2.4.8 - Circular Industries](#)

## Topic(s)

[HORIZON-CL4-2021-RESILIENCE-01-06 - Innovation for responsible EU sourcing of primary raw materials, the foundation of the Green Deal \(RIA\).](#)

## Call for proposal

[HORIZON-CL4-2021-RESILIENCE-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

# Coordinator



## OULUN YLIOPISTO

Net EU contribution

€ 1 410 116,00

Address

Pentti kaiteran katu 1

90014 Oulu

Finland

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Pohjanmaa

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

## Participants (16)

---



## FCIENCIAS.ID - ASSOCIACAO PARA A INVESTIGACAO E DESENVOLVIMENTO DE CIENCIAS

Portugal

Net EU contribution

€ 552 721,00

Address

Campo grande, edificio c1, piso 3

1749 016 Lisbon

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,25

---

 THIRD-PARTY 

## FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA

 Portugal

Net EU contribution

€ 143 987,00

Address

Campo grande c5 piso 3

1749-016 Lisboa 

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,50

---



## CESKA GEOLOGICKA SLUZBA

 Czechia

Net EU contribution

€ 421 250,00

Address

Klarov 3/131

11821 Prague 1 

Region

Česko > Praha > Hlavní město Praha

Activity type

## Research Organisations

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## PANSTWOWY INSTYTUT GEOLOGICZNY - PANSTWOWY INSTYTUT

BADAWCZY

 Poland

Net EU contribution

€ 231 940,50

Address

Rakowiecka 4

00975 Warszawa



Region

**Makroregion województwo mazowieckie > Warszawski stołeczny > Miasto Warszawa**

Activity type

## Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

Net EU contribution

€ 322 431,00

Address

Rue michel ange 3

75794 Paris 

Region

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

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,25



## TECHNISCHE UNIVERSITAET WIEN

 Austria

Net EU contribution

€ 296 450,00

Address

Karlsplatz 13

1040 Wien 

Region

Ostösterreich > Wien > Wien

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



## HELMHOLTZ-ZENTRUM DRESDEN-ROSSENDORF EV

 Germany

Net EU contribution

€ 463 500,00

Address

Bautzner landstrasse 400  
01328 Dresden 

Region

Sachsen > Dresden > Dresden, Kreisfreie Stadt

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## SUPRACON AG

 Germany

Net EU contribution

€ 387 437,00

Address

An der lehmgrube 11

07751 Jena 

SME 

Yes

Region

Thüringen > Thüringen > Saale-Holzland-Kreis

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

€ 0,50



## AARHUS GEOPHYSICS APS

Denmark

Net EU contribution

**€ 159 000,00**

Address

**Voldbjergvej 14a 1 sal**

**8240 Risskov**



SME

**Yes**

Region

**Danmark > Midtjylland > Østjylland**

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

**€ 0,00**



## ITA-SUOMEN YLIOPISTO

Finland

Net EU contribution

**€ 837 100,00**

Address

**Yliopistonranta 8**

**70211 Kuopio**



Region

**Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Savo**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

Other funding

€ 0,00

---



## UNIVERSITA DEGLI STUDI DI MILANO

 Italy

Net EU contribution

€ 305 095,00

Address

Via festa del perdono 7

20122 Milano 

Region

Nord-Ovest > Lombardia > Milano

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

---



## GAIA EXPLORACION SL

 Spain

Net EU contribution

€ 353 375,00

Address

Parque industrial y tecnologico nave e08

21600 Valverde del camino 

SME 

Yes

Region

Sur > Andalucía > Huelva

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

€ 0,00



## UNIVERSITY OF THE FREE STATE

 South Africa

Net EU contribution

€ 288 750,00

Address

**Nelson mandela drive 205 park west**

**9300 Bloemfontein** 

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## MAGNUS MINERALS OY

 Finland

Net EU contribution

€ 75 000,00

Address

**PI 3**

**33211 Tampere** 

Region

**Manner-Suomi > Länsi-Suomi > Pirkanmaa**

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

€ 0,00



## XCALIBUR MPH SPAIN SL

 Spain

Net EU contribution

€ 383 750,00

Address

**Avda partenon 10**

**28042 Madrid** 

Region

**Comunidad de Madrid > Comunidad de Madrid > Madrid**

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

€ 0,00



## GEOPOOL OY

 Finland

Net EU contribution

€ 40 280,00

Address

**Teknobulevardi 3-5**

**01530 Vantaa** 

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

€ 0,00

## Partners (2)

---



**CARDIFF UNIVERSITY**

 United Kingdom

Net EU contribution

€ 0,00

Address

Newport road 30 36

CF24 0DE Cardiff 

Region

Wales > East Wales > Cardiff and Vale of Glamorgan

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

No data



# IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

**South kensington campus exhibition road**

**SW7 2AZ London**



Region

**London > Inner London — West > Westminster**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**

**Last update:** 10 March 2023

**Permalink:** <https://cordis.europa.eu/project/id/101057741>

European Union, 2024



HORIZON  
EUROPE

# Sustainable Development of a Safe and Biobased Antimicrobial, Antifungal and Antiviral Nanocoating Platform

## Fact Sheet

### Project Information

#### Triple-A-COAT

Grant agreement ID: 101057992

#### DOI

[10.3030/101057992](https://doi.org/10.3030/101057992) ↗

#### EC signature date

13 June 2022

#### Start date

1 September 2022

#### End date

31 August 2026

#### Funded under

Digital, Industry and Space

#### Total cost

€ 3 731 633,75

#### EU contribution

€ 3 731 633,00

#### Coordinated by

KATHOLIEKE UNIVERSITEIT

LEUVEN

Belgium

## Project description

### Antimicrobial coating using nanocellulose for high-traffic surfaces

An antimicrobial coating for high-traffic surfaces can eliminate or significantly reduce the growth and spread of bacteria, viruses and other harmful pathogens. Used in high-traffic environments, the coating should be non-toxic and environmentally sustainable. In this context, the EU-funded Triple-A-COAT project will develop an antimicrobial coating using nanocellulose, a versatile and sustainable nanomaterial that can be easily applied to a wide range of surfaces. The coating developed by Triple-A-COAT will be safer and more environmentally friendly than conventional coatings because no biocides and inorganic nanoparticles will be used. The coating

will also be tested in a simulated high-traffic environment to evaluate its durability and ability to withstand wear and tear.

## Fields of science

[medical and health sciences](#) > [health sciences](#) > [infectious diseases](#)

[engineering and technology](#) > [materials engineering](#) > [textiles](#)

[engineering and technology](#) > [materials engineering](#) > [coating and films](#)

[engineering and technology](#) > [nanotechnology](#) > [nano-materials](#)

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > [pharmaceutical drugs](#) > [antivirals](#)

## Keywords

[nanocellulose](#)

[antibiofilm compounds](#)

[antimicrobial peptides](#)

[nanopatterning](#)

[adhesion](#)

[spray coating](#)

[thin films](#)

[surface chemistry](#)

[textiles](#)

[high traffic surfaces](#)

[durability](#)

[life cycle assessment](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)

MAIN PROGRAMME

[HORIZON.2.4.4 - Advanced Materials](#)

## Topic(s)

[HORIZON-CL4-2021-RESILIENCE-01-20 - Antimicrobial, Antiviral, and Antifungal Nanocoatings \(RIA\)](#)

## Call for proposal

[HORIZON-CL4-2021-RESILIENCE-01](#)

[See other projects for this call](#)

# Funding Scheme

## HORIZON-RIA - HORIZON Research and Innovation Actions

### Coordinator



#### KATHOLIEKE UNIVERSITEIT LEUVEN

Net EU contribution

**€ 1 693 830,00**

Address

Oude markt 13

3000 Leuven

Belgium



Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

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**

### Participants (8)

---



#### STELLENBOSCH UNIVERSITY

South Africa

Net EU contribution

**€ 146 240,00**

Address

Victoria street administration b building

7600 Stellenbosch

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00

---



## 2.-0 LCA CONSULTANTS APS

 Denmark

Net EU contribution

€ 152 000,00

Address

Rendsburggarde 14 4 315b

9000 Aalborg 

SME 

Yes

Region

Danmark > Nordjylland > Nordjylland

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

€ 0,00

---



## SIRRIS HET COLLECTIEF CENTRUM VAN DE TECHNOLOGISCHE INDUSTRIE

 Belgium

Net EU contribution

€ 399 816,00

Address

Boulevard auguste reyers 80

1030 Bruxelles / brussel 

SME 

Yes

Region

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

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,25



## CELLUGY

 Denmark

Net EU contribution

€ 429 812,00

Address

Alfa laval innovation house copenhagen makinvej 5

2860 Soborg 

SME 

Yes

Region

Danmark > Hovedstaden > Københavns omegn

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

€ 0,50



## MELODEA LTD

Israel

Net EU contribution

€ 512 500,00

Address

The faculty of agriculture of the

76100 Rehovot

SME

Yes

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

€ 0,00



## EDUCELL PODJETJE ZA CELICNO BIOLOGI JO DOO

Slovenia

Net EU contribution

€ 248 060,00

Address

Prevale 9

1236 Trzin

SME

Yes

Region

**Slovenija > Zahodna Slovenija > Osrednjeslovenska**

Activity type

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

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

Other funding

€ 0,00

---



## SAPPI NETHERLANDS SERVICES BV

 Netherlands

Net EU contribution

€ 111 875,00

Address

Biesenweg 16  
6211 AA Maastricht 

Region

Zuid-Nederland > Limburg (NL) > Zuid-Limburg

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

€ 0,00

---



## VAN HOOL N.V.

 Belgium

Net EU contribution

€ 37 500,00

Address

Bernard van hool straat 58  
2500 Lier koningshooikt 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Mechelen

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

€ 0,00

## Partners (4)

---



**SuSoS AG**

Switzerland

Net EU contribution

€ 0,00

Address

**Lagerstrasse 14**

**8600 Dubendorf**



SME

Yes

Region

**Schweiz/Suisse/Svizzera > Zürich > Zürich**

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

€ 0,00



**IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE**

United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**



## VIROLOGY RESEARCH SERVICES LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

Building 500 lab s13/s14 ground flo

CT13 9FE Sandwich 

SME 

Yes

Region

South East (England) > Kent > East Kent

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

**No data**



# ENGEDI SCIENCE LTD

 United Kingdom

Net EU contribution

€ 0,00

Address

Dale view 34

LS29 9BP Ilkley



SME 

Yes

Region

**Yorkshire and the Humber > West Yorkshire > Bradford**

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

**No data**

**Last update:** 15 September 2022

**Permalink:** <https://cordis.europa.eu/project/id/101057992>

European Union, 2024

# CIRCULAR ECOLOGICAL ESSENTIAL & CRITICAL RAW MATERIALS

## Fact Sheet

### Project Information

**ROTATE**

Grant agreement ID: 101058651

**DOI**

[10.3030/101058651](https://doi.org/10.3030/101058651) 

**EC signature date**

24 May 2022

**Start date**

1 September 2022

**End date**

31 August 2026

**Funded under**

Digital, Industry and Space

**Total cost**

€ 14 212 290,49

**EU contribution**

€ 11 432 610,00

**Coordinated by**

ASOCIACION NACIONAL DE  
EMPRESARIOS FABRICANTES  
DE ARIDOS



Spain

## Project description

### Setting sights on sustainable mining

People and businesses benefit from the extraction and processing of minerals, but these activities impact surrounding communities and the environment. Targeting sustainable mining, the EU-funded ROTATE project will develop tools and technologies for companies to use and achieve zero emissions and pollution when they collect essential and critical raw materials. ROTATE will also establish waste valorisation processes to ensure a circular approach, particularly in waste reuse and secondary product recovery. The work achieved will result in an optimised cut-off grade, which is the minimum grade required for minerals or metals to be

economically mined, and a smaller environmental footprint. ROTATE's innovative methods and technologies will benefit companies and boost access to critical raw materials sites.

## Fields of science

[engineering and technology](#) > [environmental engineering](#) > [mining and mineral processing](#)  
[natural sciences](#) > [earth and related environmental sciences](#) > [environmental sciences](#) > [pollution](#)  
[natural sciences](#) > [biological sciences](#) > [biological behavioural sciences](#) > [ethology](#) > [biological interactions](#)

## Keywords

[critical raw materials](#)

[valorisation](#)

[environmental assessment](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#) MAIN PROGRAMME

[HORIZON.2.4.1 - Manufacturing Technologies](#)

[HORIZON.2.4.8 - Circular Industries](#)

## Topic(s)

[HORIZON-CL4-2021-TWIN-TRANSITION-01-20 - Reducing environmental footprint, improving circularity in extractive and processing value chains \(IA\).](#)

## Call for proposal

[HORIZON-CL4-2021-TWIN-TRANSITION-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-IA - HORIZON Innovation Actions](#)

# Coordinator



## ASOCIACION NACIONAL DE EMPRESARIOS FABRICANTES DE ARIDOS

Net EU contribution

€ 1 181 062,00

Address

Plaza de las cortes nº 5, 7º a

28014 Madrid

Spain

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

€ 0,50

## Participants (20)

---



## ASOCIACION EMPRESARIAL DE INVESTIGACION CENTRO TECNOLOGICO DEL MARMOL,PIEDRA Y MATERIALES

Spain

Net EU contribution

€ 646 562,00

Address

Carretera de murcia sn poligono industrial el matadero

30430 Cehegin murcia

SME

Yes

Region

Sur > Región de Murcia > Murcia

Activity type

## Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,50



## CENTRE INTERPROFESSIONNEL TECHNIQUE D'ETUDES DE LA POLLUTION

### ATMOSPHERIQUE ASSOCIATION

 France

Net EU contribution

€ 185 750,00

Address

42 rue de paradis

75010 Paris 

Region

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

Activity type

Other

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## CHALMERS TEKNISKA HOGSKOLA AB

 Sweden

Net EU contribution

€ 535 225,00

Address

Region

Södra Sverige > Västsverige > Västra Götalands 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



## METSO FINLAND OY

 Finland

Net EU contribution

€ 1 288 875,00

Address

Rauhalanpuisto 9

33101 Espoo 

Region

Manner-Suomi > Länsi-Suomi > Pirkanmaa

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

€ 552 375,00



## UNIVERSIDAD POLITECNICA DE MADRID

 Spain

Net EU contribution

€ 684 000,00

Address

Calle ramiro de maeztu 7 edificio rectorado

28040 Madrid



Region

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



## HORMISORIA SL

Spain

Net EU contribution

€ 552 257,00

Address

Calle nicolas rabal 23

42003 Soria



SME

Yes

Region

Centro (ES) > Castilla y León > Soria

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

€ 236 681,75



## TEKNOLOGISK INSTITUT

Denmark

Net EU contribution

€ 330 468,00

Address

Gregersensvej 1  
2630 Taastrup

Region

Danmark > Hovedstaden > Københavns omegn

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,75



## UNIVERSITE DE LIEGE

Belgium

Net EU contribution

€ 414 688,00

Address

Place du 20 aout 7  
4000 Liege

Region

Région wallonne > Prov. Liège > Arr. Liège

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

---



## INVESTORNET-GATE2GROWTH APS

Denmark

Net EU contribution

€ 201 075,00

Address

Diplomvej 381 st  
2800 Kgs lyngby

SME

Yes

Region

Danmark > Hovedstaden > Københavns omegn

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

€ 86 175,00

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## CANTERAS INDUSTRIALES SL

Spain

Net EU contribution

€ 567 072,00

Address

Paseo de la habana 19, 1 izq  
28036 Madrid

SME

Yes

Region

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

€ 243 031,75



## ADVANCED MINERAL PROCESSING SL

 Spain

Net EU contribution

€ 1 628 923,00

Address

Puerto de navacerrada 12 polígono

28935 Mostoles 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

€ 698 110,75



## AGREPOR AGREGADOS -EXTRACCAO DE INERTES, SA

 Portugal

Net EU contribution

€ 322 464,00

Address

Avenida jose malhoa 22, 6-11

1099 020 Lisboa 

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

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

€ 138 199,75



## ROCTIM AB

 Sweden

Net EU contribution

€ 211 253,50

Address

Hugo grauers gata 11a

411 33 Gothenburg 

Region

Södra Sverige > Västsverige > Västra Götalands 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

€ 90 537,75



## FUNDACION TORMES-EB

 Spain

Net EU contribution

€ 174 250,00

Address

Lugar finca aldehuella de tormes s/n bj 37115 almenara de tormes  
37002 Salamanca 

Region

Centro (ES) > Castilla y León > Salamanca

Activity type

Other

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## AKKA HIGH TECH

 France

Net EU contribution

€ 373 626,00

Address

11/13 cours valmy  
92977 Paris 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

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

€ 160 125,74

 THIRD-PARTY 

## AKKA I&S



France

Net EU contribution

**€ 115 062,00**

Address

**3 avenue du centre immeuble albero**  
**78280 Guyancourt** 

Region

**Ile-de-France > Ile-de-France > Yvelines**

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

**€ 49 313,00**



## LAFARGEHOLCIM GRANULATS



France

Net EU contribution

**€ 405 125,00**

Address

**2 avenue du general de gaulle**  
**92140 Clamart** 

Region

**Ile-de-France > Ile-de-France > Hauts-de-Seine**

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

**€ 173 625,00**



## VELDE INDUSTRI AS

Norway

Net EU contribution

**€ 395 797,50**

Address

**Noredalsveien 294**

**4308 Sandnes**



Region

**Norge > Vestlandet > Rogaland**

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

**€ 169 627,50**



## VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.

Belgium

Net EU contribution

**€ 794 700,00**

Address

**Boeretang 200**

**2400 Mol**



Region

**Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout**

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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## ZABALA INNOVATION CONSULTING SA

Spain

Net EU contribution

€ 424 375,00

Address

**Paseo santxiki 3 bis**

**31192 Mutilva alta navarra**

Region

**Noreste > Comunidad Foral de Navarra > Navarra**

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

€ 181 875,00

---

## Partners (1)



## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

**South kensington campus exhibition road**

**SW7 2AZ London**

Region

**London > Inner London — West > Westminster**

Activity type

## Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

No data

**Last update:** 25 August 2022

**Permalink:** <https://cordis.europa.eu/project/id/101058651>

European Union, 2024

# Robust Learning and Reasoning for Complex Event Forecasting

## Fact Sheet

### Project Information

#### EVENFLOW

Grant agreement ID: 101070430

#### DOI

[10.3030/101070430](https://doi.org/10.3030/101070430) 

#### EC signature date

20 June 2022

#### Start date

1 October 2022

#### End date

30 September 2025

#### Funded under

Digital, Industry and Space

#### Total cost

€ 3 431 000,00

#### EU contribution

€ 3 431 000,00

#### Coordinated by

NETCOMPANY - INTRASOFT

 Belgium

## Project description

### Improving AI to forecast complex events

Many applications rely on AI to deal with continuously evolving flows of information. The EU-funded EVENFLOW project will develop hybrid learning techniques for forecasting complex changing events. The project will use both neural representation learning techniques that are capable of constructing event-based features from streams of perception-level data as well as symbolic learning and reasoning tools. The online nature of the learning methods will allow them to utilise rich domain knowledge that is becoming available progressively, over time. EVENFLOW will be tested using three cases: oncological forecasting in precision medicine, the safe and

efficient behaviour of autonomous transportation robots in smart factories and the reliable life cycle assessment of critical infrastructure.

## Fields of science

[medical and health sciences](#) > [health sciences](#) > [personalized medicine](#)

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > [machine learning](#) > [deep learning](#)

## Keywords

[Neuro-Symbolic Learning](#)

[Deep Learning](#)

[Artificial Intelligence](#)

[Complex Event Forecast](#)

[Interpretability](#)

[Explainable AI](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#) MAIN PROGRAMME

[HORIZON.2.4.5 - Artificial Intelligence and Robotics](#)

## Topic(s)

[HORIZON-CL4-2021-HUMAN-01-01 - Verifiable robustness, energy efficiency and transparency for Trustworthy AI: Scientific excellence boosting industrial competitiveness \(AI, Data and Robotics Partnership\)\\_\(RIA\)](#)

## Call for proposal

[HORIZON-CL4-2021-HUMAN-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

# Coordinator



## NETCOMPANY - INTRASOFT

Net EU contribution

€ 185 000,00

Address

Place du champ de mars 5/10

1050 Bruxelles / brussel

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

€ 0,00

## Participants (6)

---

THIRD-PARTY

### NETCOMPANY-INTRASOFT SA

Luxembourg

Net EU contribution

€ 530 000,00

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

€ 0,00



## "NATIONAL CENTER FOR SCIENTIFIC RESEARCH ""DEMOKRITOS"""

 Greece

Net EU contribution

€ 727 500,00

Address

**End of patriarchou grigoriou e and 27 neapoleos street**

**15341 Agia paraskevi** 

Region

**Αττική > Αττική > Βόρειος Τομέας Αθηνών**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS PLIROFORIAS, TON EPIKOINONION KAI TIS GNOSIS

 Greece

Net EU contribution

€ 500 000,00

Address

**Artemidos 6 kai epidavrou**

**151 25 Maroussi** 

Region

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## BARCELONA SUPERCOMPUTING CENTER CENTRO NACIONAL DE SUPERCOMPUTACION

 Spain

Net EU contribution

€ 470 000,00

Address

Calle jordi girona 31

08034 Barcelona 

Region

Este > Cataluña > Barcelona

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## DEUTSCHES FORSCHUNGZENTRUM FUR KUNSTLICHE INTELLIGENZ GMBH

 Germany

Net EU contribution

€ 527 500,00

Address

Trippstadter strasse 122  
67663 Kaiserslautern 

Region

Rheinland-Pfalz > Rheinhessen-Pfalz > Kaiserslautern, Kreisfreie Stadt

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## EKSO SRL

 Italy

Net EU contribution

€ 491 000,00

Address

Zona industriale industriale c. da tabuna

97100 Ragusa rg 

SME 

Yes

Region

Isole > Sicilia > Ragusa

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

€ 0,00

## Partners (1)



## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

No data

**Last update:** 4 September 2022

**Permalink:** <https://cordis.europa.eu/project/id/101070430>

European Union, 2024



HORIZON  
EUROPE

# Human-Compatible Artificial Intelligence with Guarantees

## Fact Sheet

### Project Information

#### AutoFair

Grant agreement ID: 101070568

#### DOI

[10.3030/101070568](https://doi.org/10.3030/101070568) ↗

#### EC signature date

14 June 2022

#### Start date

1 October 2022

#### End date

30 September 2025

#### Funded under

Digital, Industry and Space

#### Total cost

€ 3 350 720,00

#### EU contribution

€ 3 350 720,00

#### Coordinated by

CESKE VYSOKE UCENI

TECHNICKE V PRAZE

Czechia

## Project description

### Exploring the ethical use of AI

Artificial intelligence powers a growing number of systems today. This is why it's important to make sure the AI algorithms work correctly. In this context, the EU-funded AutoFair project will focus on the issue of fairness. Specifically, it will deal with the design of explainable and transparent AI algorithms. AutoFair aims to improve the algorithms themselves while educating end users. It draws on knowledge from computer and data sciences, control theory, optimisation and other scientific disciplines, including ethics and law. Three case studies will be carried out to test the findings on the automation of fair evaluation in recruitment, the elimination

of gender inequality in advertising and the elimination of discrimination against bank clients.

## Fields of science

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#)

[social sciences](#) > [sociology](#) > [industrial relations](#) > [automation](#)

## Keywords

[Fairness](#)

[transparency](#)

[explainability](#)

[control theory](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#) MAIN PROGRAMME

[HORIZON.2.4.5 - Artificial Intelligence and Robotics](#)

## Topic(s)

[HORIZON-CL4-2021-HUMAN-01-01 - Verifiable robustness, energy efficiency and transparency for Trustworthy AI: Scientific excellence boosting industrial competitiveness \(AI, Data and Robotics Partnership\)\\_\(RIA\)](#)

## Call for proposal

[HORIZON-CL4-2021-HUMAN-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

## Coordinator



## CESKE VYSOKE UCENI TECHNICKE V PRAZE

Net EU contribution

€ 561 847,50

Address

Jugoslavskych partyzana 1580/3

160 00 Praha



Region

Česko > Praha > Hlavní město Praha

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

## Participants (6)

---



### ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS PLIROFORIAS, TON EPIKOINONION KAI TIS GNOSIS



Net EU contribution

€ 496 875,00

Address

Artemidos 6 kai epidavrou

151 25 Maroussi



Region

Αττική > Αττική > Βόρειος Τομέας Αθηνών

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

---



## IBM IRELAND LIMITED

Ireland

Net EU contribution

€ 622 500,00

Address

Bd 2 ibm technology campus damastown industrial pa mulhuddart  
D15 HN66 Dublin

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

€ 0,00

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## TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY

Israel

Net EU contribution

€ 496 997,50

Address

Senate building technion city  
32000 Haifa

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

---



## WORKABLE SOFTWARE SINGLE MEMBER PRIVATE COMPANY

Greece

Net EU contribution

€ 355 000,00

Address

**Leoforos kifisis 95-97**

**15125 Athens**



Region

**Αττική > Αττική > Βόρειος 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

€ 0,00

---



## ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON

Greece

Net EU contribution

€ 493 125,00

Address

**6 christou lada str**

**10561 Athina**



Region

**Αττική > Αττική > Κεντρικός Τομέας Αθηνών**

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



## DATEIO S.R.O.

 Czechia

Net EU contribution

€ 324 375,00

Address

Beniskove 1285/7 kosire

150 00 Praha 5 

SME 

Yes

Region

Česko > Praha > Hlavní město Praha

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

€ 0,00

## Partners (1)



### IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**

**Last update:** 4 September 2022

**Permalink:** <https://cordis.europa.eu/project/id/101070568>

European Union, 2024

# HETEROGENEOUS MATERIAL AND TECHNOLOGICAL PLATFORM FOR A NEW DOMAIN OF POWER NANOELECTRONICS

## Fact Sheet

### Project Information

**NANOMAT**

Grant agreement ID: 101091433

**DOI**

[10.3030/101091433](https://doi.org/10.3030/101091433) ↗

**EC signature date**

14 November 2022

**Start date**

1 December 2022

**End date**

30 November 2025

**Funded under**

Digital, Industry and Space

**Total cost**

€ 4 125 051,25

**EU contribution**

€ 4 125 051,00

**Coordinated by**  
**THALES**

France

### Project description

#### Radio frequency nanoelectronics for electronic devices applications

As a concept, flexible electronics has been around for decades. Today, they are the basis for electronic devices in applications. However, their emitted power levels are limited to the range of up to 500mW. Currently, a flexible technology that can meet upcoming needs does not yet exist. The EU-funded NANOMAT project introduces the new domain of flexible power radio frequency (RF) nanoelectronics, an innovative heterogeneous technological platform. The concept comprises material and fabrication novelties in carbon-based electronics and thermoelectrics, wide band gap

semiconductor-based monolithic microwave integrated circuits (MMICs), RF microelectromechanical systems (MEMS), and acoustic sensors. The project will demonstrate the concept through two prototypes: a flexible hybrid proof of concept for satellite IoT at the Ka-band and a fully monolithic flexible power RF transceiver for next generation avionic radars at the X-band.

## Fields of science

[natural sciences](#) > [computer and information sciences](#) > [internet](#) > [\*\*internet of things\*\*](#)  
[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > [aerospace engineering](#) >  
[\*\*satellite technology\*\*](#)  
[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) >  
[information engineering](#) > [telecommunications](#) > [radio technology](#) > [radar](#)  
[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) >  
[electronic engineering](#) > [\*\*sensors\*\*](#)  
[engineering and technology](#) > [nanotechnology](#) > [\*\*nanoelectronics\*\*](#)

## Keywords

[Heterogeneous integration](#)    [Innovative materials](#)    [Flexible High power electronics](#)  
[Flexible RF MEMS](#)    [mobility and transportation](#)    [Aeronautics applications](#)  
[Circular economy](#)    [end of the life](#)    [Radars](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)    MAIN PROGRAMME

[HORIZON.2.4.4 - Advanced Materials](#)

## Topic(s)

[HORIZON-CL4-2022-RESILIENCE-01-10 - Innovative materials for advanced \(nano\)electronic components and systems \(RIA\)](#)

## Call for proposal

# HORIZON-CL4-2022-RESILIENCE-01

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

## Coordinator



### THALES

Net EU contribution

**€ 950 525,00**

Address

**4 rue de la verrerie**

**92190 Meudon**

France

Region

**Ile-de-France > Ile-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

**€ 0,00**

## Participants (10)



### IDRYMA TECHNOLOGIAS KAI EREVNAS

Greece

Net EU contribution

**€ 730 000,00**

Address

N plastira str 100

70013 Irakleio



Region

Νησιά Αιγαίου > Κρήτη > Ηράκλειο

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00



## UPPSALA UNIVERSITET

Sweden

Net EU contribution

€ 321 000,00

Address

Von kraemers alle 4

751 05 Uppsala



Region

Östra Sverige > Östra Mellansverige > Uppsala 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



## INSTITUTUL NATIONAL DE CERCETAREDEZVOLTARE PENTRU MICROTEHNOLOGIE



Net EU contribution

**€ 250 000,00**

Address

**Erou iancu nicolae street 32b**

**077190 Voluntari**



Region

**Macroregiunea Trei > Bucureşti-Ilfov > Ilfov**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)

[Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

**€ 0,00**



## CIRCUITS INTEGRATED HELLAS IKE



Net EU contribution

**€ 250 000,00**

Address

**Leof kifisis 226**

**14562 Kifisia**



SME

Yes

Region

**Αττική > Αττική > Βόρειος 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

€ 0,00

---



## ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON

Greece

Net EU contribution

€ 177 500,00

Address

**6 christou lada str**  
**10561 Athina**

Region

**Αττική > Αττική > Κεντρικός Τομέας Αθηνών**

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

---



## BERLINER NANOTEST UND DESIGN GMBH

Germany

Net EU contribution

€ 301 250,00

Address

**Volmerstrasse 9 b**  
**12489 Berlin**

SME

Yes

Region

**Berlin > Berlin > Berlin**

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

€ 0,00



### BLUE SYNERGY SL

 Spain

Net EU contribution

€ 289 750,00

Address

Calle maudes 51 planta 8 puerta 1

28003 Madrid 

SME 

Yes

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

€ 0,00



### TECHNISCHE UNIVERSITAET CHEMNITZ

 Germany

Net EU contribution

€ 250 026,00

Address

Strasse der nationen 62

09111 Chemnitz 

Region

Sachsen > Chemnitz > Chemnitz

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



## Institute of Electrical Engineering, Slovak Academy of Sciences

 Slovakia

Net EU contribution

€ 350 000,00

Address

Dubravská 9

841 04 Bratislava 

Region

Slovensko > Bratislavský kraj > Bratislavský kraj

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## RF MICROTECH SRL

 Italy

Net EU contribution

€ 255 000,00

Address

Via leone maccheroni 64

06132 Perugia 

SME 

Yes

Region

Centro (IT) > Umbria > Perugia

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

€ 0,00

## Partners (1)

---



**IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE**

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**

**Last update:** 10 March 2023

**Permalink:** <https://cordis.europa.eu/project/id/101091433>

European Union, 2024

# OPEN INNOVATION PLATFORM FOR OPTIMISING PRODUCTION SYSTEMS BY COMBINING PRODUCT DEVELOPMENT, VIRTUAL ENGINEERING WORKFLOWS AND PRODUCTION DATA

## Fact Sheet

### Project Information

**PIONEER**

Grant agreement ID: 101091449

**DOI**

[10.3030/101091449](https://doi.org/10.3030/101091449) 

**EC signature date**

28 November 2022

**Start date**

1 January 2023

**End date**

31 December 2025

**Funded under**

Digital, Industry and Space

**Total cost**

€ 5 223 386,25

**EU contribution**

€ 4 439 898,75

**Coordinated by**

ASOCIACION DE  
INVESTIGACION METALURGICA  
DEL NOROESTE  
 Spain

## Project description

### Innovative strategies for novel product development

Innovation is the most important ingredient in any recipe for entrepreneurial success. European manufacturing enterprises are no exception. Faced with abrupt changes in market demands, global competition and an increasing number of product variants, strategies for novel product development are more important than ever. For instance,

it's important to ensure and optimise the manufacturing of new products or variants in low-volume production systems. With this in mind, the EU-funded PIONEER project will develop an open innovation platform and interoperable digital pipeline for addressing a design-by-simulation optimisation framework. Built over five pillars for development, PIONEER involves multidisciplinary optimisation for ensuring certified path planning strategies.

## Fields of science

[natural sciences](#) > [computer and information sciences](#) > [internet](#) > [\*\*internet of things\*\*](#)

[natural sciences](#) > [mathematics](#) > [pure mathematics](#) > [\*\*topology\*\*](#)

[social sciences](#) > [economics and business](#) > [economics](#) > [\*\*production economics\*\*](#)

[engineering and technology](#) > [mechanical engineering](#) > [manufacturing engineering](#) > [\*\*additive manufacturing\*\*](#)

## Keywords

[Open Innovation platform](#)

[virtual engineering workflows](#)

[materials modelling and materials characterisation](#)

[data-driven optimisation algorithms](#)

[feedforward control](#)

[simulation-based digital twins](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)

MAIN PROGRAMME

[HORIZON.2.4.4 - Advanced Materials](#)

## Topic(s)

[HORIZON-CL4-2022-RESILIENCE-01-25 - Optimised Industrial Systems and Lines through digitalisation \(IA\)](#)

## Call for proposal

[HORIZON-CL4-2022-RESILIENCE-01](#)

[See other projects for this call](#)

## Funding Scheme

### HORIZON-IA - HORIZON Innovation Actions

## Coordinator



### ASOCIACION DE INVESTIGACION METALURGICA DEL NOROESTE

Net EU contribution

**€ 700 762,50**

Address

**Calle relva torneiros 27a**

**36410 Porrino**

Spain

Region

**Noroeste > Galicia > Pontevedra**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

**€ 0,00**

## Participants (15)



### ESI GROUP

France

Net EU contribution

**€ 45 412,50**

Address

3 bis rue saarinen

94528 Rungis



Region

Ile-de-France > Ile-de-France > Val-de-Marne

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

€ 19 462,50

---

## THIRD-PARTY

### **ESI GERMANY GMBH**

Germany

Net EU contribution

€ 19 337,50

Address

Liebknechtstr. 33

70565 Stuttgart

Region

Baden-Württemberg > Stuttgart > Stuttgart, Stadtkreis

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

€ 8 287,50



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## **ENGINEERING - INGEGNERIA INFORMATICA SPA**

Italy

Net EU contribution

€ 324 625,00

Address

Piazzale dell'agricoltura 24

00144 Roma 

Region

Centro (IT) > Lazio > Roma

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

€ 139 125,00



## EGYPTIAN BRITISH BUREAU FOR ADDITIVE MANUFACTURING SERVICES COMPANY

 Egypt

Net EU contribution

€ 145 554,50

Address

Factory nr 588 - industrial zone

11835 Cairo 

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

€ 62 380,50



## TRANSITION TECHNOLOGIES PSC SPOLKA AKCYJNA

 Poland

Net EU contribution

**€ 210 000,00**

Address

Piotrkowska no. 276

90 361 Lodz



Region

Makroregion centralny > Łódzkie > Łódzki

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

**€ 90 000,00**



## FANKOM MUHENDISLIK MAKİNE ENERJİ VE BİLGİSAYAR TİCARET LIMITET SIRKETİ

Türkiye

Net EU contribution

**€ 124 166,00**

Address

Konutkent mah 3035 cad 74 b 23

06909 Ankara



SME

Yes

Region

Batı Anadolu > Ankara > Ankara

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

€ 53 214,00

---



## FUNDACION TEKNIKER

Spain

Net EU contribution

€ 451 000,00

Address

**Calle inaki goenaga 5**

**20600 Eibar guipuzcoa**



Region

**Noreste > País Vasco > Gipuzkoa**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

---



## ECOLE NATIONALE SUPERIEURE D'ARTS ET METIERS

France

Net EU contribution

€ 422 373,75

Address

**Boulevard de l hopital 151**

**75013 Paris**



Region

**Ile-de-France > Ile-de-France > Paris**

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



## CLESGO GMBH

 Germany

Net EU contribution

€ 225 400,00

Address

Seyfferstrasse 34  
70197 Stuttgart 

SME 

Yes

Region

Baden-Württemberg > Stuttgart > Stuttgart, 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

€ 96 600,00



## FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

 Germany

Net EU contribution

€ 428 125,00

Address

Hansastraße 27c  
80686 München 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

### Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



### PANEPISTIMIO PATRON

 Greece

Net EU contribution

€ 325 625,00

Address

University campus rio patras

265 04 Rio patras 

Region

Κεντρική Ελλάδα > Δυτική Ελλάδα > Αχαΐα

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



### CORE KENTRO KAINOTOMIAS AMKE

 Greece

Net EU contribution

€ 283 875,00

Address



Region

Κεντρική Ελλάδα > Στερεά Ελλάδα > Εύβοια

Activity type

**Research Organisations**

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00



## INNOVATION IN RESEARCH & ENGINEERING SOLUTIONS

Belgium

Net EU contribution

€ 268 975,00

Address

Rue koningin astridlaan 59b/9

1780 Wemmel



SME

Yes

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Halle-Vilvoorde

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

€ 115 275,00



**MX3D BV**



Net EU contribution

**€ 279 517,00**

Address

**Dynamostraat 46**  
**1014 BK Amsterdam**

SME

Yes

Region

**West-Nederland > Noord-Holland > Groot-Amsterdam**

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

**€ 119 793,00**



## MARELLI SUSPENSION SYSTEMS ITALY SPA



Net EU contribution

**€ 185 150,00**

Address

**Viale aldo borletti 61 63**  
**20011 Corbetta mi**

Region

**Nord-Ovest > Lombardia > Milano**

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

€ 79 350,00

## Partners (2)

---



### LIMITSTATE LIMITED

United Kingdom

Net EU contribution

€ 0,00

Address

The innovation centre 217 portobello

S1 4DP Sheffield

SME

Yes

Region

Yorkshire and the Humber > South Yorkshire > Sheffield

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

No data



### IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London

Region

London > Inner London — West > Westminster

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**

**Last update:** 2 December 2022

**Permalink:** <https://cordis.europa.eu/project/id/101091449>

European Union, 2024

# Sustainable Hydrogen and Aluminothermic Reduction Process for Manganese, its alloys and Critical Raw Materials Production

## Fact Sheet

### Project Information

**HAIMan**

Grant agreement ID: 101091936

**DOI**

[10.3030/101091936](https://doi.org/10.3030/101091936) ↗

**EC signature date**

18 November 2022

**Start date**

1 January 2023

**End date**

31 December 2026

**Funded under**

Digital, Industry and Space

**Total cost**

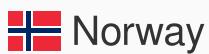
€ 8 046 086,88

**EU contribution**

€ 7 316 151,63

**Coordinated by**

NORGES TEKNISK-  
NATURVITENSKAPELIGE  
UNIVERSITET NTNU



## Project description

### A sustainable process for manganese and alloy production

The metal and mining industry contributes significantly to the rising levels of CO<sub>2</sub> emissions, and manganese production is no exception. The EU-funded HalMan project will develop an integrated process to mine manganese metal and alloys from ores and manganese-containing waste by using hydrogen and secondary aluminium sources as reductants. Aluminium-containing scrap and waste from the ferromanganese industry will be valorised to produce new aluminium-manganese

master alloys for the aluminium and steel industries. Furthermore, HalMan will demonstrate manganese oxide and cell production for lithium-ion battery applications.

## Fields of science

[natural sciences](#) > [chemical sciences](#) > [electrochemistry](#) > [electric batteries](#)

[natural sciences](#) > [chemical sciences](#) > [inorganic chemistry](#) > [transition metals](#)

[engineering and technology](#) > [environmental engineering](#) > [mining and mineral processing](#)

[social sciences](#) > [economics and business](#) > [economics](#) > [sustainable economy](#)

[engineering and technology](#) > [materials engineering](#) > [metallurgy](#)

## Keywords

[Manganese](#)

[hydrogen](#)

[manganese metal](#)

[manganese ferroalloys](#)

[aluminium dross](#)

[aluminum scrap](#)

[slag](#)

[alumina](#)

[critical raw materials](#)

[rare earth elements](#)

[battery materials](#)

[manganese steels](#)

[cement](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)

MAIN PROGRAMME

[HORIZON.2.4.8 - Circular Industries](#)

## Topic(s)

[HORIZON-CL4-2022-RESILIENCE-01-07 - Innovative solutions for efficient use and enhanced recovery of mineral and metal by-products from processing of raw materials \(IA\)](#)

## Call for proposal

[HORIZON-CL4-2022-RESILIENCE-01](#)

[See other projects for this call](#)

# Funding Scheme

## HORIZON-IA - HORIZON Innovation Actions

### Coordinator



#### NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

Net EU contribution

€ 1 817 841,25

Address

Hogskoleringen 1

7491 Trondheim

Norway

Region

Norge > Trøndelag > Trøndelag

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

### Participants (13)

---



#### OFZ, AS

Slovakia

Net EU contribution

€ 85 881,00

Address

Siroka 381

027 41 Oravsky podzamok

Region

Slovensko > Stredné Slovensko > Žilinský kraj

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

€ 36 806,50



## MINTEK

 South Africa

Net EU contribution

€ 887 936,88

Address

Malibongwe drive 200

2125 Randburg 

Activity type

### Research Organisations

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## SINTEF AS

 Norway

Net EU contribution

€ 874 375,00

Address

Strindvegen 4

7034 Trondheim 

Region

Norge > Trøndelag > Trøndelag

Activity type

## Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## WIT BERRY

 Latvia

Net EU contribution

€ 97 102,25

Address

Lacplesa 23/18  
LV-3002 Jelgava 

SME 

Yes

Region

Latvija > Latvija > Zemgale

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

€ 41 615,25



## ETHNICON METSOVION POLYTECHNION

 Greece

Net EU contribution

€ 842 398,00

Address

Heroon polytechniou 9 zographou campus

157 80 Athina 

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 539,50



## MAX PLANCK INSTITUT FUR EISENFORSCHUNG GMBH

 Germany

Net EU contribution

€ 751 370,00

Address

Max planck strasse 1

40237 Dusseldorf 

Region

Nordrhein-Westfalen > Düsseldorf > Düsseldorf, Kreisfreie Stadt

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## ADVANCED MINERALS AND RECYCLING INDUSTRIAL SOLUTIONS IKE

 Greece

Net EU contribution

€ 308 043,75

Address

**Salaminos 1**

**141 22 Iraklio attikis** 

SME 

Yes

Region

**Αττική > Αττική > Βόρειος 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

€ 132 018,75



## ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS

 Greece

Net EU contribution

€ 440 312,50

Address

**Charilaou thermi road 6 km**

**57001 Thermi thessaloniki** 

Region

**Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## MYTILINAIOS ANONIMI ETAIREIA

Greece

Net EU contribution

**€ 443 581,00**

Address

**Artemidos 8**

**15125 Marousi**



Region

**Αττική > Αττική > Βόρειος Τομέας Αθηνών**

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

**€ 190 106,50**



## CALIX - EUROPE

France

Net EU contribution

**€ 307 431,00**

Address

**5 rue de castiglione**

**75001 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](#)

Other funding

**€ 131 756,50**

---



## SPOLKA AKCYJNA ODLEWNIE POLSKIE

 Poland

Net EU contribution

**€ 61 317,00**

Address

**Ul. wladyslawa rogowskiego 22**

**27-200 Starachowice**



Region

**Makroregion centralny > Świętokrzyskie > Kielecki**

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

**€ 26 279,25**

---



## METALLURGY4 IDIOTIKI KEFALAIOUCHIKI ETAIREIA

 Greece

Net EU contribution

**€ 325 281,00**

Address

**Ipeirou 2**

**15341 Agia paraskevi - athina**



SME 

Yes

Region

**Αττική > Αττική > Βόρειος 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

**€ 139 406,50**

---



## TRANSALLOYS PTY LTD

 South Africa

Net EU contribution

**€ 73 281,00**

Address

**Old pretoria road clever**

**1035 Emalahleni** 

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

**€ 31 406,50**

## Partners (4)

---



### CALIX LTD

 Australia

Net EU contribution

**€ 0,00**

Address

Level 1 9-11 bridge street

2073 Pymble nsw 

SME 

Yes

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

**No data**

---



### Assmang manganese cato ridge works

 South Africa

Net EU contribution

€ 0,00

Address

1 eddie hagen drive, cato ridge

3680 Durban 

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

**No data**

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### IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**



## HYDRO EXTRUSION SWEDEN AB

 Sweden

Net EU contribution

€ 0,00

Address

Myrkarrsvagen 1  
612 31 Finspong 

Region

Östra Sverige > Östra Mellansverige > Östergötlands 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

**No data**

**Last update:** 10 March 2023

**Permalink:** <https://cordis.europa.eu/project/id/101091936>





HORIZON  
EUROPE

# Adaptive virtualization for AI-enabled Cloud-edge Continuum

## Fact Sheet

### Project Information

#### CloudSkin

Grant agreement ID: 101092646

#### DOI

[10.3030/101092646](https://doi.org/10.3030/101092646) ↗

#### EC signature date

17 November 2022

#### Start date

1 January 2023

#### End date

31 December 2025

#### Funded under

Digital, Industry and Space

#### Total cost

€ 3 405 322,50

#### EU contribution

€ 3 405 322,50

#### Coordinated by

UNIVERSITAT ROVIRA I VIRGILI

 Spain

## Project description

### AI-enabled platform for cloud-edge continuum

Edge computing solutions shift key processing tasks away from a centralised location, pushing them to servers and devices on the outer edges of the network. Businesses that need to reduce network latency and improve data security can largely benefit from edge computing. Currently, around only 20 % of business-generated data is created and processed outside a traditional centralised data centre. The EU-funded CloudSkin project plans to develop an AI-enabled cloud-edge framework (cognitive cloud) that will automatically adapt to the growing complexity and deluge. CloudSkin's platform will integrate seamlessly and securely diverse

computing and data environments, spanning from core cloud to edge, optimising workloads, resources, energy and network traffic.

## Fields of science

[natural sciences](#) > [computer and information sciences](#) > [software](#)

[natural sciences](#) > [computer and information sciences](#) > [data science](#) > [data processing](#)

## Keywords

[Cloud](#)

[edge computing](#)

[AI](#)

[ML optimization](#)

[virtualization](#)

[confidential computing](#)

[storage](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#) MAIN PROGRAMME

[HORIZON.2.4.7 - Advanced Computing and Big Data](#)

## Topic(s)

[HORIZON-CL4-2022-DATA-01-02 - Cognitive Cloud: AI-enabled computing continuum from Cloud to Edge \(RIA\)](#)

## Call for proposal

[HORIZON-CL4-2022-DATA-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

## Coordinator



## UNIVERSITAT ROVIRA I VIRGILI

Net EU contribution

€ 669 375,00

Address

Carrer de escorxador

43003 Tarragona

Spain

Region

Este > Cataluña > Tarragona

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

## Participants (9)

---



## BARCELONA SUPERCOMPUTING CENTER CENTRO NACIONAL DE SUPERCOMPUTACION

Spain

Net EU contribution

€ 518 125,00

Address

Calle jordi girona 31

08034 Barcelona

Region

Este > Cataluña > Barcelona

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

Other funding

€ 0,00

---



## TECHNISCHE UNIVERSITAET DRESDEN

 Germany

Net EU contribution

€ 300 250,00

Address

Helmholtzstrasse 10  
01069 Dresden 

Region

Sachsen > Dresden > Dresden, Kreisfreie Stadt

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

---



## NEARBY COMPUTING SL

 Spain

Net EU contribution

€ 375 625,00

Address

Travessera de gracia 18 3 3  
08021 Barcelona 

SME 

Yes

Region

Este > Cataluña > Barcelona

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

€ 0,00



## ALTERNA TECNOLOGIAS SL

 Spain

Net EU contribution

€ 221 250,00

Address

Calle uruguay 13 edif. salzillo global complejo magalia  
30820 Alcantarilla murcia 

SME 

Yes

Region

Sur > Región de Murcia > Murcia

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

€ 0,00



## EUROPEAN MOLECULAR BIOLOGY LABORATORY

 Germany

Net EU contribution

€ 377 527,50

Address

Meyerhofstrasse 1  
69117 Heidelberg 

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## KIO NETWORKS ESPANA SA

 Spain

Net EU contribution

€ 232 975,00

Address

Calle santiago navarro 8

30100 Murcia 

Region

Sur > Región de Murcia > Murcia

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

€ 0,00



## DEUTSCHES KREBSFORSCHUNGZENTRUM HEIDELBERG

 Germany

Net EU contribution

€ 367 195,00

Address

**Im neuenheimer feld 280**  
**69120 Heidelberg** 

Region

**Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## TRADIA TELECOM SA

 Spain

Net EU contribution

€ 182 500,00

Address

**Paseo de la zona franca 105**  
**08038 Barcelona** 

Region

**Este > Cataluña > Barcelona**

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

€ 0,00



## EMC INFORMATION SYSTEMS INTERNATIONAL UNLIMITED COMPANY



Ireland

Net EU contribution

**€ 160 500,00**

Address

**Ida industrial site**

P31 Ovens 

Region

**Ireland > Southern > South-West**

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

**€ 0,00**

## Partners (2)

---



**IBM RESEARCH GMBH**

 Switzerland

Net EU contribution

**€ 0,00**

Address

**Saeumerstrasse 4  
8803 Rueschlikon** 

Region

**Schweiz/Suisse/Svizzera > Zürich > Zürich**

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

€ 0,00



## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

**South kensington campus exhibition road**

**SW7 2AZ London**

Region

**London > Inner London — West > Westminster**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

**No data**

**Last update:** 25 November 2022

**Permalink:** <https://cordis.europa.eu/project/id/101092646>

European Union, 2024

# Promoting and Incentivising Federated, Trusted, and Fair Sharing and Trading of Interoperable Data Assets

## Fact Sheet

### Project Information

**PISTIS**

Grant agreement ID: 101093016

**DOI**

[10.3030/101093016](https://doi.org/10.3030/101093016) ↗

**EC signature date**

21 November 2022

**Start date**

1 January 2023

**End date**

30 June 2026

**Funded under**

Digital, Industry and Space

**Total cost**

€ 14 932 957,50

**EU contribution**

€ 11 945 613,50

**Coordinated by**

FRAUNHOFER GESELLSCHAFT  
ZUR FORDERUNG DER  
ANGEWANDTEN FORSCHUNG  
EV



## Project description

### A sustainable solution for data trading and monetising

With so much data available, it is not easy to manage it effectively. There is a massive need for solutions to facilitate the collection, sharing, storage, processing, trading and reuse of data. The EU-funded PISTIS project will bring forward a reference federated data sharing/trading and monetisation platform for secure, trusted and controlled exchange and usage of proprietary data assets and data-driven intelligence. It will advance techniques and technologies, such as federated

data discovery and sharing, distributed ledger technologies, data non-fungible tokens, AI-driven data quality assessment and monetisation, to build trust among stakeholders and assuage their safety concerns. PISTIS will consider the different data supply and demand perspectives and train stakeholders to evaluate the sustainability of their data sharing strategies.

## Fields of science

[social sciences](#) > [sociology](#) > [governance](#)

## Keywords

[Data Quality](#)

[Quality Assessment](#)

[Data Pricing](#)

[Monetisation](#)

[Data Sharing](#)

[Data Trading](#)

[Trust](#)

[Security](#)

[NFTs](#)

[Blockchain](#)

[Living Lab](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)

MAIN PROGRAMME

[HORIZON.2.4.7 - Advanced Computing and Big Data](#)

## Topic(s)

[HORIZON-CL4-2022-DATA-01-04 - Technologies and solutions for data trading, monetizing, exchange and interoperability \(AI, Data and Robotics Partnership\) \(IA\).](#)

## Call for proposal

[HORIZON-CL4-2022-DATA-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-IA - HORIZON Innovation Actions](#)

# Coordinator



## FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

Net EU contribution

€ 1 306 250,00

Address

Hansastrasse 27c

80686 Munchen

Germany

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

## Participants (28)

---



## ATOS IT SOLUTIONS AND SERVICES IBERIA SL

Spain

Net EU contribution

€ 135 100,00

Address

Ronda de europa 5

28760 Tres cantos madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

**€ 57 900,00**

---

 THIRD-PARTY 

## ATOS SPAIN SA

 Spain

Net EU contribution

**€ 118 212,50**

Address

**Calle de albaracin 25**

**28037 Madrid** 

Region

**Comunidad de Madrid > Comunidad de Madrid > Madrid**

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

**€ 50 662,50**

---



## IDC ITALIA SRL

 Italy

Net EU contribution

**€ 522 812,50**

Address

**Viale monza 14**

**20127 Milano** 

Region

**Nord-Ovest > Lombardia > Milano**

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

€ 224 062,50



## **ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS PLIROFORIAS, TON EPIKOINONION KAI TIS GNOSIS**

 Greece

Net EU contribution

€ 558 750,00

Address

**Artemidos 6 kai epidavrou**

**151 25 Maroussi**



Region

**Αττική > Αττική > Βόρειος Τομέας Αθηνών**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## **ASSENTIAN EUROPE LIMITED**

 Ireland

Net EU contribution

€ 459 375,00

Address

Kandoy house 2 fairview strand fairview

D03R8P3 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

€ 196 875,00



## SUITE5 DATA INTELLIGENCE SOLUTIONS LIMITED

 Cyprus

Net EU contribution

€ 893 156,00

Address

Alexandreias 2, bridge tower, flat/office 101

3013 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

€ 382 781,50



## UNIVERSITA TA MALTA

+ Malta

Net EU contribution

**€ 445 145,00**

Address

Tal oroqq

2080 Msida



Region

**Malta > Malta > Malta**

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**



## FUNDACIO EURECAT

Spain

Net EU contribution

**€ 464 625,00**

Address

Avenida universitat autonoma 23

08290 Cerdanyola del valles (barcelona)



Region

**Este > Cataluña > Barcelona**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

---



## DEEP BLUE SRL

Italy

Net EU contribution

€ 426 125,00

Address

**Via daniele manin 53**  
**00185 Roma**

SME

Yes

Region

**Centro (IT) > Lazio > Roma**

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

€ 182 625,00

---



## EUROPEAN DIGITAL SME ALLIANCE

Belgium

Net EU contribution

€ 458 750,00

Address

**Rue marie therese 21/5**  
**1000 Bruxelles / brussel**

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



## UBITECH LIMITED

 Cyprus

Net EU contribution

€ 608 125,00

Address

26 nikou & despinas pappou  
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

€ 260 625,00



## ARTHUR'S LEGAL BV

 Netherlands

Net EU contribution

€ 311 937,50

Address

Emmalaan 21  
1075 AT Amsterdam 

SME 

Yes

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

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

€ 133 687,50



## SPACE HELLAS ANONYMI ETAIREIA SYSTIMATA KAI YPIRESIES TITLEPIKIONIONPLIROFORIKIS ASFALEIAS - IDIOTIKI EPICHEIRISI PAROCHIS YPERISION ASFA

 Greece

Net EU contribution

€ 658 000,00

Address

Messogion ave 312  
153 41 Aghia paraskevi athina 

Region

Αττική > Αττική > Βόρειος Τομέας Αθηνών

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

€ 282 000,00



## POLITECNICO DI MILANO

Italy

Net EU contribution

**€ 387 500,00**

Address

**Piazza leonardo da vinci 32**

**20133 Milano**

Region

**Nord-Ovest > Lombardia > Milano**

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**



## EREVNITIKO PANEPISTIMIAKO INSTITOUTO SYSTIMATON EPIKOINONION KAI YPOLOGISTON

Greece

Net EU contribution

**€ 497 250,00**

Address

**Patision 42**

**106 82 Athina**

Region

**Αττική > Αττική > Κεντρικός Τομέας Αθηνών**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

---



## UBIMET GMBH

Austria

Net EU contribution

€ 311 937,50

Address

**Donau city strasse 11**  
**1220 Wien**

SME

Yes

Region

**Ostösterreich > Wien > Wien**

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

€ 133 687,50

---

## THIRD-PARTY

### UBIMET GMBH

Germany

Net EU contribution

€ 90 562,50

Address

**Bahnhofplatz 12**  
**76137 Karlsruhe**

SME

Yes

Region

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

€ 38 812,50



## ATHENS INTERNATIONAL AIRPORT S.A.

 Greece

Net EU contribution

€ 494 375,00

Address

Odos spata attikis  
19019 Spata 

Region

Αττική > Αττική > Ανατολική Αττική

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

€ 211 875,00



## GOLDAIR EXYPIRETISEIS EDAFOUS ANONIMI ETAIREIA

 Greece

Net EU contribution

€ 240 712,50

Address

Daa el venizelos ktirio 24

19019 Spata



Region

Αττική > Αττική > Ανατολική 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

€ 103 162,50



## DIMOS ATHINAION EPICHEIRISI MICHANOGRAFISIS

Greece

Net EU contribution

€ 181 125,00

Address

Pireos 144 & echelidon 19

118 54 Athens



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

€ 77 625,00



## ORGANISMOS ASTIKON SYGKINONION ATHINON AE

Greece

Net EU contribution

€ 146 125,00

Address

**Metsovou 15**  
**10582 Athina** 

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

€ 62 625,00



## CUERVA ENERGIA SLU

 Spain

Net EU contribution

€ 342 912,50

Address

**Santa lucia 1-k**  
**18194 Churriana de la vega** 

Region

**Sur > Andalucía > Granada**

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

€ 146 962,50



## BAMBOO ENERGY PLATFORM SL



Spain

Net EU contribution

€ 175 000,00

Address

Jdin de les dones de negre 1 planta 2

08930 Sant adria de besos 

SME 

Yes

Region

Este > Cataluña > Barcelona

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

€ 75 000,00



## OMI-POLO ESPANOL SA



Spain

Net EU contribution

€ 287 875,00

Address

Calle alfonso xi 6

28014 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

€ 123 375,00

---



## FUNDACION CARTIF

Spain

Net EU contribution

€ 256 250,00

Address

Pq tecnologico boecillo 205

47151 Boecillo

Region

Centro (ES) > 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

---



## VIRTUAL VEHICLE RESEARCH GMBH

Austria

Net EU contribution

€ 600 625,00

Address

Inffeldgasse 21 a  
8010 Graz

SME

Yes

Region

Südösterreich > Steiermark > Graz

Activity type

## Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



### CARUSO GMBH

 Germany

Net EU contribution

€ 321 125,00

Address

Steinheilstrasse 10  
85737 Ismaning 

Region

Bayern > Oberbayern > München, Landkreis

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

€ 137 625,00



### TRAFFICON - TRAFFIC CONSULTANTS GMBH

 Austria

Net EU contribution

€ 245 875,00

Address

Strubergasse 26  
5020 Salzburg 

SME 

Yes

Region

Westösterreich > Salzburg > Salzburg und Umgebung

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

€ 105 375,00

## Partners (2)

---



### IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

No data



# OAG AVIATION WORLDWIDE LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

**1 capability green**

LU1 3LU Luton bedfordshire 

SME 

Yes

Region

**East of England > Bedfordshire and Hertfordshire > Luton**

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

**No data**

**Last update:** 28 November 2022

**Permalink:** <https://cordis.europa.eu/project/id/101093016>

European Union, 2024



HORIZON  
EUROPE

# SOFT WEARABLE ASSISTIVE GARTMENTS FOR HUMAN EMPOWERMENT

## Fact Sheet

### Project Information

**SWAG**

Grant agreement ID: 101120408

**DOI**

[10.3030/101120408](https://doi.org/10.3030/101120408) ↗

**EC signature date**

26 June 2023

**Start date**

1 November 2023

**End date**

31 October 2027

**Funded under**

Digital, Industry and Space

**Total cost**

€ 5 366 195,00

**EU contribution**

€ 5 366 195,00

**Coordinated by**

TWI ELLAS ASTIKI MI

KERDOSKOPIKI ETAIREIA

 Greece

## Project description

### How soft robotics can enhance human mobility

Soft robotics, a rapidly growing field, has witnessed remarkable progress in diverse applications like wearable devices and mobile robots. Among these innovations, the development of soft lower extremity exoskeletons, known as soft wearable robotics, stands out as a challenging research topic requiring multidisciplinary expertise. In this context, the EU-funded SWAG project aims to engineer soft structures without rigid materials. SWAG uses high-strength fabrics and films to create inflatable human-assistive exoskeletal devices that specifically target strain-prone segments of the human body, such as the lower body and core. By offering higher variable

stiffness and force-to-weight ratios while conforming precisely to intricate joint kinematics, SWAG's designs enable complete assistance for multi-degree-of-freedom joints like the ankle and hip.

## Fields of science

[natural sciences](#) > [biological sciences](#) > [\*\*neurobiology\*\*](#)

[natural sciences](#) > [computer and information sciences](#) > [internet](#) > [\*\*internet of things\*\*](#)

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [electronic engineering](#) > [robotics](#) > [\*\*soft robotics\*\*](#)

[natural sciences](#) > [biological sciences](#) > [\*\*biophysics\*\*](#)

[social sciences](#) > [psychology](#) > [\*\*ergonomics\*\*](#)

## Keywords

[soft robotics](#)

[wearable robotics](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#) MAIN PROGRAMME

[HORIZON.2.4.5 - Artificial Intelligence and Robotics](#)

## Topic(s)

[HORIZON-CL4-2022-DIGITAL-EMERGING-02-06 - Pushing the limit of physical intelligence and performance \(RIA\)](#)

## Call for proposal

[HORIZON-CL4-2022-DIGITAL-EMERGING-02](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

# Coordinator



## **TWI ELLAS ASTIKI MI KERDOSKOPIKI ETAIREIA**

Net EU contribution

**€ 624 750,00**

Address

**L kifisia 280**  
**15232 Chalandri**  
 Greece

Region

**Αττική > Αττική > Βόρειος Τομέας Αθηνών**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

**€ 0,00**

## Participants (9)

---



## **RUPRECHT-KARLS-UNIVERSITAET HEIDELBERG**

Germany

Net EU contribution

**€ 548 125,00**

Address

**Seminarstrasse 2**  
**69117 Heidelberg**

Region

**Baden-Württemberg > Karlsruhe > Heidelberg, 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



## BENDABL MONOPROSOPI IDIOTIKI KEFALAIOUCHIKI ETAIRIA

 Greece

Net EU contribution

€ 426 003,75

Address

Spirou patsi 62  
118 55 Athens 

SME 

Yes

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

€ 0,00



## ELLINIKO MESOGEIAKO PANEPISTIMIO

 Greece

Net EU contribution

€ 700 000,00

Address

Estavromenos  
71004 Heraklion 

Region

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO S ANNA

 Italy

Net EU contribution

€ 608 450,00

Address

Piazza martiri della libertà 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



## FUNDACIO EURECAT

 Spain

Net EU contribution

€ 407 125,00

Address

Region

Este > Cataluña > Barcelona

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## INSTITUT JOZEF STEFAN

 Slovenia

Net EU contribution

€ 534 125,00

Address

Jamova 39

1000 Ljubljana 

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## UNIVERSITEIT TWENTE

 Netherlands

Net EU contribution

€ 603 491,25

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

€ 0,00



## IUVO SRL

 Italy

Net EU contribution

€ 490 625,00

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](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## ROESSINGH RESEARCH AND DEVELOPMENT BV

 Netherlands

Net EU contribution

€ 423 500,00

Address

Roessinghsbleekweg 33

7522 AH Enschede 

SME 

Yes

Region

Oost-Nederland > Overijssel > Twente

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

€ 0,00

## Partners (3)

---



**THE UNIVERSITY OF HERTFORDSHIRE HIGHER EDUCATION CORPORATION**

 United Kingdom

Net EU contribution

€ 0,00

Address

College lane

AL10 9AB Hatfield 

Region

East of England > Bedfordshire and Hertfordshire > Hertfordshire

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

Other funding

No data

---



## BRUNEL UNIVERSITY LONDON

 United Kingdom

Net EU contribution

€ 0,00

Address

Kingston Lane  
UB8 3PH Uxbridge 

Region

London > Outer London — West and North West > Harrow and Hillingdon

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

No data

---



## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road  
SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**

**Last update:** 30 June 2023

**Permalink:** <https://cordis.europa.eu/project/id/101120408>

European Union, 2024

# A rEVOLUTIONary approach for maximising process water REuse and REsource REcovery through a smart, circular and integrated solution

## Fact Sheet

### Project Information

#### R3VOLUTION

Grant agreement ID: 101138245

#### EC signature date

7 December 2023

#### Start date

1 January 2024

#### End date

31 December 2027

#### Funded under

Digital, Industry and Space

#### Total cost

€ 10 985 636,50

#### EU contribution

€ 10 985 636,50

#### Coordinated by

CETAQUA, CENTRO  
TECNOLOGICO DEL AGUA,  
FUNDACION PRIVADA



Spain

## Objective

R3VOLUTION (R3V) project will revolutionize industrial water management in the EU, providing key innovations that can enable economically, environmentally and operationally water reclamation projects (by addressing solutes and energy recovery challenges), and generate significant impact for the EU in the next decade.

To pave the way towards sustainable and efficient water and resource consumption, R3V takes on the challenge of developing and demonstrating a resource recovery

solution that will enable >90% water reuse across most intensive water industries, applicable upstream and downstream, whilst recovering >45% effluents solutes, >50% waste heat reuse and eliminate 100% of hazardous substances. R3V will investigate, develop and demonstrate tailored membrane-based treatment trains coupled with waste heat, and a digital process assistant (DPA) to support the design phase to achieve optimal configuration for different industrial settings, minimising risks in implementation and provide critical support in operation.

With the aim to demonstrate R3V solution capabilities and replicability potential across varied process industries, the project includes 4 physical demo cases at pilot scale targeting several up- and down- streams in a variety of industries with high water discharges and complex effluents: petrochemical, bio-based chemical, pulp & paper and steel, each led by renowned technological partners. The project will also assess the transferability of the results by evaluating one additional industry (mining in Chile), and its replicability in 3 additional streams, via the DPA tool developed within the project.

The consortium perfectly maps the triangle of competences required to develop R3V solution: membrane technologies and design of treatment trains, energy recovery and digitalisation, considering also transversal competences such as economic, environmental and social assessment, together with the exploitation plan of the developments.

## Fields of science

[engineering and technology](#) > [chemical engineering](#) > [separation technologies](#)

[engineering and technology](#) > [environmental engineering](#) > [natural resources management](#) > [water management](#)

## Keywords

[Water reuse](#)

[zero liquid discharge](#)

[solutes recovery](#)

[energy recovery](#)

[membrane separation](#)

[membrane filtration](#)

[membrane distillation](#)

[ceramic membranes](#)

[nanocellulose membranes](#)

[digital twin](#)

## Programme(s)

[HORIZON.2.4.9 - Low-Carbon and Clean Industries](#)

## Topic(s)

[HORIZON-CL4-2023-TWIN-TRANSITION-01-40 - Sustainable and efficient industrial water consumption: through energy and solute recovery \(Processes4Planet partnership\) \(RIA\).](#)

## Call for proposal

### [HORIZON-CL4-2023-TWIN-TRANSITION-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

## Coordinator



**CETAQUA, CENTRO TECNOLOGICO DEL AGUA, FUNDACION PRIVADA**

Net EU contribution

**€ 1 961 500,00**

Address

**Carretera d'esplugues 75 local 1-2  
08940 Cornellà de Llobregat barcelona**

Spain

Region

**Este > Cataluña > Barcelona**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

## Participants (15)

---



### VEOLIA ENVIRONNEMENT-VE

France

Net EU contribution

€ 394 000,00

Address

21 rue la boetie

75008 Paris

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

€ 0,00

---



### FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

Germany

Net EU contribution

€ 1 622 500,00

Address

Hansastrasse 27c

80686 Munchen

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## Felix Schoeller GMBH & CO. KG

 Germany

Net EU contribution

€ 568 375,00

Address

Burg gretesch  
49086 Osnabrück 

Region

Niedersachsen > Weser-Ems > Osnabrück, 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

€ 0,00

## THIRD-PARTY

### FELIX SCHOELLER HOLDING GMBH & CO KG

 Germany

Net EU contribution

€ 52 250,00

Address

Burg gretesch 1  
49086 Osnabrück 

Region

Niedersachsen > Weser-Ems > Osnabrück, Kreisfreie Stadt

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

€ 0,00



## UNIVERSITAT POLITECNICA DE CATALUNYA

 Spain

Net EU contribution

€ 768 412,50

Address

Calle jordi girona 31  
08034 Barcelona 

Region

Este > Cataluña > Barcelona

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



## COMPANIA ESPANOLA DE LAMINACION SL

 Spain

Net EU contribution

€ 303 500,00

Address

Poligono industrial san vicente s/n  
08755 Castellbisbal barcelona 

Region

Este > Cataluña > Barcelona

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

€ 0,00



## VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.

 Belgium

Net EU contribution

€ 1 845 500,00

Address

Boeretang 200

2400 Mol 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## REPSOL SA

 Spain

Net EU contribution

€ 294 250,00

Address

Calle mendez alvaro 44

28045 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

€ 0,00

---

 THIRD-PARTY 

## REPSOL PETROLEO SA

 Spain

Net EU contribution

€ 297 500,00

Address

Calle mendez alvaro 44

28045 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

€ 0,00



## TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

 Finland

Net EU contribution

€ 936 424,00

Address

Tekniikantie 21

02150 Espoo 

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



## ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS

 Greece

Net EU contribution

€ 445 625,00

Address

Charilaou thermi road 6 km

57001 Thermi thessaloniki 

Region

Bóρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00



# IDENER RESEARCH & DEVELOPMENT AGRUPACION DE INTERES ECONOMICO

 Spain

Net EU contribution

**€ 576 875,00**

Address

**Calle early ovington 24-8**  
**41300 La rinconada sevilla** 

Region

**Sur > Andalucía > Sevilla**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**



## SINTEF ENERGI AS

 Norway

Net EU contribution

**€ 523 750,00**

Address

**Sem saelandsveg 11**  
**7465 Trondheim** 

Region

**Norge > Trøndelag > Trøndelag**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**



## IWW RHEINISCH WESTFALISCHES INSTITUT FUR WASSERFORSCHUNG GEMEINNUTZIGE GMBH

Germany

Net EU contribution

€ 273 437,50

Address

**Moritzstrasse 26**  
**45476 Mulheim an der ruhr**

SME

Yes

Region

**Nordrhein-Westfalen > Düsseldorf > Mülheim an der Ruhr**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00



## ICONIQ INNOVATION SPAIN SL

Spain

Net EU contribution

€ 121 737,50

Address

**Carrer mestre nicolau 19, 2**  
**08020 Barcelona**

SME

Yes

Region

**Este > Cataluña > Barcelona**

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

€ 0,00

## Partners (3)

---



### BLOOM BIORENEWABLES SA

 Switzerland

Net EU contribution

€ 0,00

Address

Route de l'ancienne papeterie 106

1723 Marly 

SME 

Yes

Region

Schweiz/Suisse/Svizzera > Espace Mittelland > Fribourg / Freiburg

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

**No data**



### Z PRIME LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

7 waters reach, 10 reservoir road

HA4 7TU Ruislip 

SME 

Yes

Region

London > Outer London — West and North West > Harrow and Hillingdon

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

**No data**



## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**No data**

**Last update:** 8 January 2024

**Permalink:** <https://cordis.europa.eu/project/id/101138245>

European Union, 2024

# ELectrochemical OXidation of cYclic and biogenic substrates for high efficiency production of organic CHEMicals

## Fact Sheet

### Project Information

**ELOXYCHEM**

Grant agreement ID: 101138376

**EC signature date**

28 November 2023

**Start date**

1 January 2024

**End date**

30 June 2028

**Funded under**

Digital, Industry and Space

**Total cost**

€ 0,00

**EU contribution**

€ 9 257 523,19

**Coordinated by**

SINTEF AS



## Objective

ELOXYCHEM will establish a commercially relevant electrochemical oxidation process that will become a strategic development to replace existing chemical conversion processes that are heavily reliant on imported materials such as nitric acid and imported fossil-fuels such as natural gas.

ELOXYCHEM will promote a credible pathway for Europe's twin transition (green and digital) by demonstrating: (i) a new transformational electrochemical conversion platform process at a pilot scale (multiple tonnes per annum) consisting of reactors and downstream separation to final products with marketable specification to reliably achieve TRL6; (ii) drop-in replacement technology for chemical conversion.

ELOXYCHEM will also optimise the process to demonstrate versatility of the process to multiple feedstocks ranging from current feedstocks and future bio-based and biogenic sources. Using AI strategies for optimisation the pilot plant will be targeted to improve electrochemical performance, improve lifetime and reduce cost; prove viability of integrating with renewable energy sources considering intermittency and potential to offer demand-response flexibility; integrate process design, including materials, reactor/cell, and separation methods, from the process intensification and cost perspectives.

ELOXYCHEM brings together a world-leading consortium consisting of chemical/bulk material producers, manufacturers, and universities from across Europe to address the expected outcomes and achieve energy consumption savings of ~60% compared with existing processes, ELOXYCHEM's disruptive approach will help chemical industries transform their production process to reduce waste, use of harmful precursor chemicals, and become less energy intensive.

## Fields of science

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > [renewable energy](#)

[natural sciences](#) > [chemical sciences](#) > [electrochemistry](#) > [electrolysis](#)

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > [fossil energy](#) > [natural gas](#)

## Keywords

[electrochemical oxidation](#)

[DDDA](#)

[digital control](#)

[renewable energy sources](#)

[energy](#)

[unsaturated fatty acids](#)

[pilot plant](#)

## Programme(s)

[HORIZON.2.4 - Digital, Industry and Space](#)

MAIN PROGRAMME

[HORIZON.2.4.9 - Low-Carbon and Clean Industries](#)

## Topic(s)

## Call for proposal

### [HORIZON-CL4-2023-TWIN-TRANSITION-01](#)

[See other projects for this call](#)

## Funding Scheme

### [HORIZON-RIA - HORIZON Research and Innovation Actions](#)

## Coordinator



**SINTEF AS**

Net EU contribution

**€ 3 753 696,25**

Address

**Strindvegen 4**

**7034 Trondheim**

 **Norway** 

Region

**Norge > Trøndelag > Trøndelag**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

EU contribution

**No data**

## Participants (7)



## JOHANNES GUTENBERG-UNIVERSITAT MAINZ

Germany

Net EU contribution

€ 1 431 413,09

Address

Saarstrasse 21

55122 Mainz

Region

Rheinland-Pfalz > Rheinhessen-Pfalz > Mainz, Kreisfreie Stadt

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

EU contribution

**No data**



## EVONIK OPERATIONS GMBH

Germany

Net EU contribution

€ 1 920 349,81

Address

Rellinghauser strasse 1-11

45128 Essen

Region

Nordrhein-Westfalen > Düsseldorf > Essen, Kreisfreie Stadt

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](#)

EU contribution

No data



## IDENER RESEARCH & DEVELOPMENT AGRUPACION DE INTERES ECONOMICO

Spain

Net EU contribution

€ 523 002,25

Address

Calle early ovington 24-8  
41300 La rinconada sevilla

Region

Sur > Andalucía > Sevilla

Activity type

Research Organisations

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

EU contribution

No data



## ETA - ENERGIA, TRASPORTI, AGRICOLTURA SRL

Italy

Net EU contribution

€ 271 562,50

Address

Via antonio giacomini 28 stradario m2192  
50132 Firenze

SME

Yes

Region

Centro (IT) > Toscana > Firenze

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](#) 

EU contribution

**No data**

---



## Z PRIME GMBH

 Germany

Net EU contribution

**€ 452 500,00**

Address

**Maximiliansplatz 17**  
80333 Munich 

SME 

**Yes**

Region

**Bayern > Oberbayern > München, Kreisfreie Stadt**

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](#) 

EU contribution

**No data**

---



## MEGARA RESIN INDUSTRY - ANASTASIOSFANIS SA

 Greece

Net EU contribution

**€ 450 489,60**

Address

38th km neo athinon korinthou megara attiki

191 00 Megara

SME

Yes

Region

Αττική > Αττική > Δυτική Αττική

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](#)

EU contribution

No data



## ESY-LABS GMBH

Germany

Net EU contribution

€ 454 509,69

Address

Siemensstrasse 7

93055 Regensburg

SME

Yes

Region

Bayern > Oberpfalz > Regensburg, Kreisfreie Stadt

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](#)

EU contribution

No data

## Partners (2)

---



### IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London

Region

London > Inner London — West > Westminster

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

No data



### ICONIQ INNOVATION LTD

United Kingdom

Net EU contribution

€ 0,00

Address

Harborough innovation centre, airfield business pa leicester road

LE16 7WB Market harborough leicestershire

SME

Yes

Region

East Midlands (England) > Leicestershire, Rutland and Northamptonshire > Leicestershire

CC and Rutland

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

**No data**

**Last update:** 8 January 2024

**Permalink:** <https://cordis.europa.eu/project/id/101138376>

European Union, 2024