

HORIZON  
2020

# Supporting new Opportunities for Waste Heat And cold valorisation Towards EU decarbonization

## Fact Sheet

### Project Information

#### SO WHAT

Grant agreement ID: 847097

[Project website](#)



#### DOI

[10.3030/847097](https://doi.org/10.3030/847097)

Project closed

#### EC signature date

13 May 2019

#### Start date

1 June 2019

#### End date

30 November 2022

#### Funded under

SOCIETAL CHALLENGES - Secure, clean and efficient energy

#### Total cost

€ 4 195 357,50

#### EU contribution

€ 3 397 497,38

#### Coordinated by

RINA CONSULTING SPA



Italy

## Project description

### Software for waste heat and cold technologies

The EU-funded SO WHAT project will develop and demonstrate, at technology readiness level 8, an integrated software system that supports industries and energy services to select, simulate and compare alternative waste heat and waste cold

(WH/C) recovery technologies and options. The project tool will support the identification of WH/C sources and mapping of the potential of locally accessible renewable energy sources to integrate with WH/C. It will enable the user to map and evaluate the local expected demand for heating and cooling, integrating the surrounding community in the simulations to identify additional recovery options. SO WHAT will assess the impacts of the alternative technologies and promote innovative contractual agreements and financing models to deliver economically viable solutions.

## Fields of science (EuroSciVoc)

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



## Keywords

[WASTE HEAT](#)

[WASTE COLD](#)

[RENEWABLE](#)

[TERMAL STORAGE](#)

[INDUSTRIAL ENERGY AUDIT](#)

[SMART CONTRACTS](#)

## Programme(s)

[H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy](#)

MAIN PROGRAMME

[H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use](#)

## Topic(s)

[LC-SC3-EE-6-2018-2019-2020 - Business case for industrial waste heat/cold recovery](#)

## Call for proposal

[H2020-LC-SC3-2018-2019-2020](#)

[See other projects for this call](#)

## Sub call

## Funding Scheme

[IA - Innovation action](#)

## Coordinator



### RINA CONSULTING SPA

Net EU contribution

**€ 434 000,00**

Total cost

**€ 620 000,00**

Address

**VIA CECCHI 6**

**16129 Genova**

 **Italy** 

Region

**Nord-Ovest > Liguria > Genova**

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](#) 

## Participants (20)



### IES R&D

 **Ireland**

Net EU contribution

**€ 372 750,00**

Address

CASTLEFORBES HOUSE, CASTLEFORBES ROAD

Dublin 1 

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](#) 

Total cost

€ 712 500,00

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 THIRD-PARTY 

## INTEGRATED ENVIRONMENTAL SOLUTIONS LIMITED

 United Kingdom

Net EU contribution

€ 126 000,00

Address

KELVIN CAMPUS WEST OF SCOTLAND SCIENCE PARK HELIX BUILDING

G20 0SP Glasgow 

SME 

Yes

Region

Scotland > West Central Scotland > Glasgow City

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](#) 

Total cost

€ 180 000,00



## FUNDACION CARTIF

Spain

Net EU contribution

**€ 313 250,00**

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](#)

Total cost

**€ 313 250,00**



## THE UNIVERSITY OF BIRMINGHAM

United Kingdom

Net EU contribution

**€ 269 537,50**

Address

**Edgbaston**

**B15 2TT Birmingham**

Region

**West Midlands (England) > West Midlands > Birmingham**

Activity type

**Higher or Secondary Education Establishments**

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 269 537,50

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SUSTAINABLE INNOVATIONS EUROPE SL

Spain

Net EU contribution

€ 164 500,00

Address

CALLE DE SILVA 2 PISO 2 PUERTA 3  
28013 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](#)

Total cost

€ 235 000,00

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IVL SVENSKA MILJOEINSTITUTET AB

Sweden

Net EU contribution

€ 368 928,75

Address

PO BOX 21060  
100 31 Stockholm

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 368 928,75



## SUSTENTEPOPEIA UNIPessoal LDA

 Portugal

Net EU contribution

€ 51 136,75

Address

**RUA ALAO DE MORAIS, 356, 4 DT**

**3700 019 Sao Joao Da Madeira** 

SME 

**Yes**

Region

**Continente > Norte > Área Metropolitana do Porto**

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](#) 

Total cost

€ 73 052,50



## ADEPORTO - AGÊNCIA DE ENERGIA DO PORTO

 Portugal

Net EU contribution

€ 80 575,00

Address

**RUA GONCALO CRISTOVAO 347 SALA 218**

**4000 270 Porto** 

Region

Activity type

Other

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 80 575,00



KELVIN SOLUTIONS

 Belgium

Net EU contribution

€ 111 387,50

Address

DE POPULIERKENS 1

Vosselaar 

SME 

Yes

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

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](#)

Total cost

€ 159 125,00



FUNDACION ASTURIANA DE LA ENERGIA

 Spain

Net EU contribution

€ 75 050,00

Address

**CALLE FRAY PAULINO**

**33600 Mieres** 

Region

**Noroeste > Principado de Asturias > Asturias**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

**€ 75 050,00**



## **PROVINCIALE ONTWIKKELINGSMAATSCHAPPIJ ANTWERPEN**

 Belgium

Net EU contribution

**€ 73 062,50**

Address

**KONINGIN ELISABETHLEI 22**

**2018 Antwerpen** 

Region

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

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

**€ 73 062,50**



## ASOCIATIA CLUSTER PENTRU PROMOVAREA AFACERILOR SPECIALIZATE IN ECOTEHNOLOGII SI SURSE ALTERNATIVE DE ENERGIE -MEDGREEN (REGIUNEA SUD-EST SI REGIUNEA BUCURESTI ILFOV)

 Romania

Net EU contribution

€ 101 750,00

Address

**BLD. MAMAIA NR. 288, BIROU 6 JUD CONSTANTA MUN CONSTANTA  
900552 Constanta** 

Region

**Macroregiunea Doi > Sud-Est > Constanța**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 101 750,00



## MARTINI & ROSSI SPA

 Italy

Net EU contribution

€ 99 750,00

Address

**PIAZZA LUIGI ROSSI 2  
10023 Chieri** 

Region

**Nord-Ovest > Piemonte > Torino**

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](#) 

Total cost

€ 142 500,00

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## ASSOCIACAO DE MUNICIPIOS PARA A GESTAO SUSTENTAVEL DE RESIDUOS DO GRANDE PORTO

 Portugal

Net EU contribution

€ 150 857,50

Address

**RUA DA MORENA 805-955**

**4435 996 Baguim Do Monte Gondomar** 

Region

**Continente > Norte > Área Metropolitana do Porto**

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 150 857,50

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## GOTEBORG ENERGI AB

 Sweden

Net EU contribution

€ 98 091,88

Address

**RANTORGET 11**

**401 20 Goteborg** 

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](#) 

Total cost

**€ 140 131,25**



## VARBERG ENERGI AB

 Sweden

Net EU contribution

**€ 85 820,00**

Address

**VASTKUSTVAGEN 50**

**432 13 Varberg** 

Region

**Södra Sverige > Västsverige > Hallands 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](#) 

Total cost

**€ 122 600,00**



## REGIA AUTONOMA DE DISTRIBUTIE A ENERGIEI TERMICE CONSTANTA

 Romania

Net EU contribution

**€ 43 225,00**

Address

**STR BADEA CARTAN 14A**

**Constanta** 

Region

**Macroregiunea Doi > Sud-Est > Constanța**

Activity type

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

Links

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

Total cost

€ 61 750,00



MATERIALS PROCESSING INSTITUTE

United Kingdom

Net EU contribution

€ 102 812,50

Address

TEESSIDE TECHNOLOGY CENTRE ESTON ROAD GRANGETOWN  
TS6 6US Middlesbrough

SME

Yes

Region

North East (England) > Tees Valley and Durham > South Teesside

Activity type

Research Organisations

Links

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

Total cost

€ 102 812,50



ELEUKON GLOBAL SL

Spain

Net EU contribution

€ 101 500,00

Address

PLAZA DE LA PRINCESA 7 1 IZQ  
36211 Vigo 

SME 

Yes

Region

Noroeste > Galicia > Pontevedra

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](#) 

Total cost

€ 145 000,00



PARCO SCIENTIFICO TECNOLOGICO PER LAMBIENTE ENVIRONMENT PARK  
TORINO SPA

 Italy

Net EU contribution

€ 173 512,50

Address

GALLERIA SAN FEDERICO 54 CO FINPIEMONTE  
10100 Torino 

Region

Nord-Ovest > Piemonte > Torino

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](#) 

Total cost

€ 247 875,00

Last update: 15 January 2024

**Permalink:** <https://cordis.europa.eu/project/id/847097>

European Union, 2025

