

SUSTAINABLE SOLUTIONS FOR AFFORDABLE RETROFIT OF DOMESTIC BUILDINGS

Fact Sheet

Project Information

Surefit

Grant agreement ID: 894511



DOI

[10.3030/894511](https://doi.org/10.3030/894511)

EC signature date

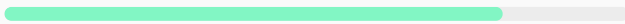
8 May 2020

Start date

1 September 2020

End date

28 February 2025



Funded under

SOCIETAL CHALLENGES - Secure, clean and efficient energy

Total cost

€ 3 997 049,25

EU contribution

€ 3 423 978,00

Coordinated by

INSTITUTO DE SOLDADURA E
QUALIDADE



Portugal

Project description

Environmentally friendly domestic buildings

The renovation of domestic buildings is of paramount importance as it contributes to reducing their energy consumption. The EU-funded Surefit project aims to renovate domestic buildings using innovative and cost-effective prefabricated technologies that don't damage the environment. The methodology of the project will be based on bio-aerogel panels integrated with phase change materials, photovoltaic vacuum glazing windows, roof and window heat recovery devices, solar-assisted and ground

source heat pumps, evaporative coolers, integrated solar thermal systems and lighting devices. Within this scope, pilots will be developed in buildings located in five different European environments.

Fields of science

[social sciences](#) > [economics and business](#) > [business and management](#) > **[business models](#)**

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

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

Keywords

[Retrofit](#)

[Building renovation](#)

[Residential building](#)

[Energy efficiency](#)

[Near zero energy](#)

[Bio-aerogel](#)

[insulation](#)

[Heating](#)

[Cooling](#)

[Lighting](#)

[Solar energy](#)

[Energy storage](#)

[Heat recovery](#)

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-1-2018-2019-2020 - Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation](#)

Call for proposal

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

[See other projects for this call](#)

Sub call

Funding Scheme

[IA - Innovation action](#)

Coordinator



INSTITUTO DE SOLDADURA E QUALIDADE

Net EU contribution

€ 466 950,00

Address

TAGUSPARK AVENIDA PROFESSOR DR CAVACO SILVA 33 TALAIDE

2740 120 Porto Salvo

 Portugal 

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](#) 

Total cost

€ 466 950,00

Participants (11)



PROIGMENES EREVNITIKES & DIAHIRISTIKES EFARMOGES

 Greece

Net EU contribution

€ 331 887,50

Address

DIM. GLINOU 7

14122 Irakleio 

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](#) 

Total cost

€ 474 125,00



THE UNIVERSITY OF NOTTINGHAM

 United Kingdom

Net EU contribution

€ 869 111,75

Address

University Park

NG7 2RD Nottingham 

Region

East Midlands (England) > Derbyshire and Nottinghamshire > Nottingham

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 869 111,75



SOLIMPEKS ENERJI SANAYI VE TICARET AS

 Türkiye

Net EU contribution

€ 151 287,50

Address

**FEVZI CAKMAK MAHALLESİ 10753 SOKAK NO 3-3A
42050 Karatay** 

SME 

Yes

Region

Batı Anadolu > Konya > Konya

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

€ 216 125,00



WINCO TECHNOLOGIES

 France

Net EU contribution

€ 125 562,50

Address

**5 RUE SOPHIE GERMAIN TECHNOPOLE SAINT BRIEUC ARMOR
22440 Ploufragan** 

SME 

Yes

Region

Bretagne > Bretagne > Côtes-d'Armor

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
€ 179 375,00



PHASE CHANGE MATERIAL PRODUCTS LTD

United Kingdom

Net EU contribution

€ 203 245,00

Address

**MERE VIEW INDUSTRIAL ESTATE UNIT 32 YAXLEY
PE7 3HS Peterborough Cambs**

SME

Yes

Region

East of England > East Anglia > Cambridgeshire CC

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
€ 290 350,00



PRZEDSIĘBIORSTWO INNOWACYJNO-WDROZENIOWE COMPLEX SP ZOO

Poland

Net EU contribution

€ 0,00

Address

**UL. JABLONIOWA 42/6
40 111 Katowice**

SME

Yes

Region

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

No data



KOESTER HELMUT OTTO WILHELM

 Germany

Net EU contribution

€ 116 725,00

Address



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

€ 166 750,00



FUNDACION SANTA MARIA LA REAL DEL PATRIMONIO HISTORICO

 Spain

Net EU contribution

€ 280 500,00

Address

MONASTERIO DE SANTA MARIA LA REAL

34800 Aguilar De Campoo 

SME 

Yes

Region

Centro (ES) > Castilla y León > Palencia

Activity type

Other

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 280 500,00



AALTO KORKEAKOULUSAATIO SR

 Finland

Net EU contribution

€ 470 250,00

Address

OTAKAARI 1

02150 Espoo 

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 470 250,00



CANDIDO JOSE RODRIGUES SA

 Portugal

Net EU contribution

€ 241 158,75

Address

RUA DO LOUREDO 447
4800 214 GUIMARAES 

SME 

Yes

Region

Continente > Norte > Ave

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 344 512,50



ONCONTROL TECHNOLOGIES LDA

 Portugal

Net EU contribution

€ 167 300,00

Address

Largo dos Loios
1100-312 Lisboa 

SME 

Yes

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 239 000,00

Last update: 17 July 2023

Permalink: <https://cordis.europa.eu/project/id/894511>

European Union, 2024