

REAL CONSUMER ENGAGEMENT THROUGH A NEW USER-CENTRIC ECOSYSTEM DEVELOPMENT FOR END- USERS' ASSETS IN A MULTI-MARKET SCENARIO

Fact Sheet

Project Information

REDREAM

Grant agreement ID: 957837

Status

Ongoing project

Start date

1 October 2020

End date

30 September 2023

Funded under

H2020-EU.3.3.1.

H2020-EU.3.3.4.

Overall budget

€ 7 204 492,50

EU contribution

€ 5 992 597,50

Coordinated by
UNIVERSIDAD PONTIFICIA
COMILLAS



Spain

Project description

More power to the people

The energy market is rapidly transforming and so is the role of the consumer. Yesterday's passive consumers are central actors in today's energy markets. As new prosumers, energy markets can benefit from their generation, consumption and storage capabilities. The EU-funded REDREAM project will enable the effective

participation of the consumers and prosumers in the energy market. It will develop a strategy for the creation of a value generation chain based on a revolutionary service-dominant logic paradigm in which service is exchanged for service. The project will collect the demand response tools and energy/non-energy services capable of enabling consumers to participate in the energy market. The results will assist in the generation of a new concept of connected ecosystem.

Objective

Within the Energy Union framework, the European Union (EU) is aiming at transforming the energy systems towards a sustainable, low-carbon and climate-friendly economy, putting consumers at its centre. Buildings play a key role in this transition as, on one hand they are responsible for approximately 40% of energy consumption and 36% of CO₂ emissions in the EU and, on the other hand, the potential engagement of consumers through the demand-response mechanisms. To enable this transformation, distribution grids will face new paradigms in the ways they operate relying more on flexibility smart grids with capacity to safely host more renewable energy sources (RES) and integrate new loads, such as power to heat/cold, power to gas/liquid and new technologies, as well as electric vehicles (EVs) while advancing in security of supply and affordability. Therefore, this global picture will demand the generation of a new concept of connected ecosystem between energy system players and consumers. Under this scenario, the project consortium accepted this challenge and offers to develop the “REDREAM Project”, which not only will enable the effective participation of the consumers/prosumers in the energy market, but also will drive a profound change turning traditional company’s value chain into value generation chain, based on a revolutionary Service Dominant Logic paradigm. The main objective of the REDREAM project is to effectively move the consumer (as a residential, industrial and tertiary consumer) participation to the centre of the energy market through an open and co-creative ecosystem where all stakeholders will actively interact. This ambitious challenge will require the collection of demand response tools and services (energy and non-energy) capable of enabling the capacity for the consumers of participating in the energy market through an improvement of predictability of consumption patterns and consumer behaviour.

Field of science

/social sciences/economics and business/business and management/commerce

/social sciences/social and economic geography/transport/electric vehicles

/engineering and technology/environmental engineering/energy and fuels/renewable energy

Programme(s)

Topic(s)

Call for proposal

H2020-LC-SC3-2020-EC-ES-SCC

Funding Scheme

IA - Innovation action

Coordinator



UNIVERSIDAD PONTIFICIA COMILLAS

Address

Calle Alberto Aguilera 23
28015 Madrid
 Spain

[Website](#)

Activity type

Higher or Secondary
Education Establishments

[Contact the organisation](#)

EU contribution

€ 1 027 500

Participants (14)



STEMY ENERGY

Spain

EU contribution

€ 628 250

Address

Avenida De Brasil 30
28020 Madrid

[Contact the organisation](#)

Activity type

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



TIME.LEX

Belgium

EU contribution

€ 184 187 500

€ 107 107,50

Address

**Joseph Stevensstraat 7
1000 Brussel**

Activity type

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

[Contact the organisation](#) 



ENERGETICA S COOP

 Spain

EU contribution

€ 371 127,50

Address

**Calle Canovas Del Castillo 4
Planta 1 Puerta Dc
47002 Valladolid**

Activity type

Other

[Contact the organisation](#) 



SOULSIGHT DESIGN STRATEGY SL

 Spain

EU contribution

€ 450 555

Address

**Calle Salustiano Olozaga 5
28001 Madrid**

Activity type

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

[Contact the organisation](#) 



CIVIESCO SRL

 Italy

EU contribution

€ 509 687,50

Address

**Via Vittorio Veneto 24
33100 Udine**

Activity type

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

[Contact the organisation](#) 



ASSOCIAZIONE BIO-DISTRETTO DELLA VIA AMERINA E DELLE FORRE

Italy

EU contribution

€ 313 500

Address

Via Ss Martiri Giovanni E
Marciano 10
01033 Civita Castellana

Activity type

Other

[Contact the organisation](#)



RIMOND ENGINEERING PROCUREMENT ANDCONSTRUCTION MANAGEMENT SRL

Italy

EU contribution

€ 447 475

Address

Via Porlezza 16
20123 Milano

Activity type

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

[Contact the organisation](#)



ZELENA ENERGETSKA ZADRUGA ZA USLUGE

Croatia

EU contribution

€ 198 100

Address

Bukovacka Cesta 110
10000 Grad Zagreb

Activity type

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

[Contact the organisation](#)



BATH & WEST COMMUNITY ENERGY LIMITED

United Kingdom

EU contribution

€ 611 250

Address

The Guild, High Street
BA1 5EB Bath

Activity type

Other



NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA

 Greece

EU contribution

€ 321 625

Address

**Heroon Polytechniou 9
Zographou Campus
15780 Athina**

Activity type

**Higher or Secondary
Education Establishments**

[Website](#) 

[Contact the organisation](#) 



COMMUNAUTE D' UNIVERSITES ET ETABLISSEMENTS UNIVERSITE BOURGOGNE - FRANCHE - COMTE

 France

EU contribution

€ 190 465

Address

**32 Avenue De L'observatoire
25000 Besancon**

Activity type

**Higher or Secondary
Education Establishments**

[Contact the organisation](#) 



OMI-POLO ESPANOL SA

 Spain

EU contribution

€ 304 500

Address

**Calle Alfonso Xi 6
28014 Madrid**

Activity type

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

[Contact the organisation](#) 



EUROPEAN SCIENCE COMMUNICATION INSTITUTE (ESCI) GGMBH

 Germany

EU contribution

€ 329 375

Address

Lindenstrasse 87

Activity type

Other

[Contact the organisation](#) 



OLIVOENERGY CONSULTING SL

 Spain

EU contribution


€ 105 000

Address

**Calle Alameda De Colon 15 4-
3
29001 Malaga**

Activity type

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

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Last update: 10 September 2020

Record number: 231053

Permalink: <https://cordis.europa.eu/project/id/957837>

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