

HORIZON
2020

greEN Energy hUbs for local integRated energy cOmmunities optimization

Fact Sheet

Project Information

eNeuron

Grant agreement ID: 957779

[Project website](#) 

DOI

[10.3030/957779](https://doi.org/10.3030/957779) 

Project closed

EC signature date

29 July 2020

Start date

1 November 2020

End date

31 January 2025

Funded under

SOCIETAL CHALLENGES - Secure, clean and efficient energy

Total cost

€ 6 280 318,39

EU contribution

€ 5 731 117,50

Coordinated by

AGENZIA NAZIONALE PER LE
NUOVE TECNOLOGIE,
L'ENERGIA E LO SVILUPPO
ECONOMICO SOSTENIBILE



Italy

Project description

Optimised local energy communities

Local energy communities (LECs) are collective energy actions involving citizen participation in the energy system and resulting in benefits for members of the local community. The EU-funded eNeuron project intends to develop innovative instruments for the best design and performance of LECs, integrating distributed energy resources and multiple energy carriers at different levels. By promoting the Energy Hub concept as a conceptual model to control and manage multi-carrier and

integrated energy systems, the project will propose instruments that promote tangible sustainability and energy security benefits for all stakeholders in LECs. The results will benefit local prosumers by reducing energy costs and promoting local low-carbon energy. It will also provide developers and solution providers with new opportunities for technologies and benefit distribution system operators.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > **[renewable energy](#)**
[social sciences](#) > [economics and business](#) > [business and management](#) > **[business models](#)**



Keywords

[Integrated local energy systems](#)

[multi-energy carrier](#)

[design and operation optimization](#)

[multi-objective approach](#)

Programme(s)

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

MAIN PROGRAMME

[H2020-EU.3.3.4. - A single, smart European electricity grid](#)

Topic(s)

[LC-SC3-ES-3-2018-2020 - Integrated local energy systems \(Energy islands\)](#)

Call for proposal

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

[See other projects for this call](#)

Sub call

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

Funding Scheme

[IA - Innovation action](#)

Coordinator



AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

Net EU contribution

€ 487 500,00

Total cost

€ 487 500,00

Address

**LUNGOTEVERE GRANDE AMMIRAGLIO THAON DI REVEL 76
00196 Roma**

 **Italy** 

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

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

Participants (20)



UNIVERSITY OF CYPRUS

 **Cyprus**

Net EU contribution

€ 153 160,00

Address

**AVENUE PANEPISTIMIOU 2109 AGLANTZI
1678 Nicosia** 

Region

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 153 160,00



INSTYTUT ENERGETYKI - PANSTWOWY INSTYTUT BADAWCZY

 Poland

Net EU contribution

€ 273 000,00

Address

UL. MORY 8
01-330 WARSZAWA 

Region

Makroregion województwo mazowieckie > Warszawski stołeczny > Miasto Warszawa

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 273 000,00



FUNDACIO INSTITUT DE RECERCA DE L'ENERGIA DE CATALUNYA

 Spain

Net EU contribution

€ 275 062,50

Address

C/ JARDINS DE LES DONES DE NEGRE 1
08930 Sant Adria De Besos 

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

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

Total cost

€ 275 062,50



SINTEF ENERGI AS

 Norway

Net EU contribution

€ 649 948,75

Address

Sem Saelandsveg 11
7465 Trondheim 

Activity type

Research Organisations

Links

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

Total cost

€ 649 948,75



FUNDACION TECNALIA RESEARCH & INNOVATION

 Spain

Net EU contribution

€ 388 250,00

Address

PARQUE CIENTIFICO Y TECNOLOGICO DE BIZKAIA, ASTONDO BIDEA, EDIFICIO 700
48160 DERIO BIZKAIA 

Region
Noreste > País Vasco > Gipuzkoa

Activity type
Research Organisations

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

Total cost
€ 388 250,00



**EUROPEAN DISTRIBUTED ENERGY RESOURCES LABORATORIES (DERLAB)
EV**

 Germany

Net EU contribution
€ 346 125,00

Address
**WILHELMSSTRASSE 5
34117 Kassel** 

Region
Hessen > Kassel > Kassel, Kreisfreie Stadt

Activity type
Research Organisations

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

Total cost
€ 346 125,00



EPRI EUROPE DAC
 Ireland

Net EU contribution

€ 301 000,00

Address

3 DUBLIN LANDINGS NORTH WALL QUAY
D01 C4E0 Dublin 

Region

Ireland > Eastern and Midland > Dublin

Activity type

Research Organisations

Links

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

Total cost

€ 301 000,00



UNIVERSITA POLITECNICA DELLE MARCHE

 Italy

Net EU contribution

€ 462 875,00

Address

PIAZZA ROMA 22
60121 Ancona 

Region

Centro (IT) > Marche > Ancona

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 462 875,00



UNIVERSIDAD POLITECNICA DE MADRID

 Spain

Net EU contribution

€ 213 450,00

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](#) 

Total cost

€ 213 450,00



ENEA OPERATOR SP ZOO

 Poland

Net EU contribution

€ 299 687,50

Address

UL STRZESZYNSKA 58
60 479 Poznan 

Region

Makroregion północno-zachodni > Wielkopolskie > Miasto Poznań

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

€ 428 125,00



LEDE AS

 Norway

Net EU contribution

€ 231 700,00

Address

FLOODELOKKA 1

3915 Porsgrunn 

Region

Norge > Agder og Sør-Østlandet > Vestfold og Telemark

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

€ 331 000,00



LABELEC ESTUDOS DESENVOLVIMENTO E ACTIVIDADES LABORATORIAIS SA

 Portugal

Net EU contribution

€ 316 750,00

Address

RUA CIDADE DE GOA 4 SCAVEM

2685 039 Sacavem 

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

 THIRD-PARTY 

SMART ENERGY LAB - ASSOCIATION

 Portugal

Net EU contribution

€ 50 000,00

Address

AV. 24 DE JULHO 12
1249-300 Lisboa 

Activity type

Research Organisations

Links

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

Total cost

No data

 THIRD-PARTY 

EDP COMERCIAL COMERCIALIZACAO DE ENERGIA SA

 Portugal

Net EU contribution

€ 12 500,00

Address

AV 24 DE JULHO 12
1249 300 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](#) 

Total cost

No data



FONDAZIONE ICONS

 Italy

Net EU contribution

€ 318 312,50

Address

PIAZZA DELLA VITTORIA 1

26900 Lodi 

Region

Nord-Ovest > Lombardia > Lodi

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 318 312,50



ENEIDA, GRID INTELLIGENCE, SA

 Portugal

Net EU contribution

€ 312 943,75

Address

RUA ALEXANDRE HERCULANO NR. 21B

3000-019 Coimbra 

SME 

Yes

Region

Continente > Centro (PT) > Região de Coimbra

Activity type

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

Links

[Contact the organisation](#) 

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

Total cost

€ 447 062,50



MINISTERIO DA DEFESA NACIONAL

 Portugal

Net EU contribution

€ 80 000,00

Address

AVENIDA ILHA DA MADEIRA 1

1400-204 Lisboa 

Activity type

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

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 80 000,00



MIASTO BYDGOSZCZ

 Poland

Net EU contribution

€ 140 000,00

Address

UL. JEZUICKA 1

85 102 Bydgoszcz 

Region

Makroregion północny > Kujawsko-pomorskie > Bydgosko-toruński

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
€ 140 000,00



TECHNISCHE UNIVERSITEIT EINDHOVEN

 Netherlands
Net EU contribution

€ 310 965,00

Address
GROENE LOPER 3
5612 AE Eindhoven 

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

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 310 965,00



CNET CENTRE FOR NEW ENERGY TECHNOLOGIES SA

 Portugal
Net EU contribution

€ 107 887,50

Address
RUA CIDADE DE GOA 4
2685 039 Sacavem E Prior Velho 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](#) 

Total cost

€ 154 125,00

Last update: 28 October 2024

Permalink: <https://cordis.europa.eu/project/id/957779>

European Union, 2025