



SmartEnCity

Project ID: 691883

Funded under: H2020-EU.3.3.1.3. - Foster European Smart cities and Communities

Towards Smart Zero CO2 Cities across Europe

From 2016-02-01 to 2021-07-31, ongoing project | [SmartEnCity Website](#)

Project details

Total cost: EUR 32 201 606,03	Topic(s): SCC-01-2015 - Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects
EU contribution: EUR 27 890 138,75	Call for proposal: H2020-SCC-2015 See other projects for this call
Coordinated in: Spain	Funding scheme: IA - Innovation action

Objective

SmartEnCity's main Objective is to develop a highly adaptable and replicable systemic approach towards urban transformation into sustainable, smart and resource-efficient urban environments in Europe through the integrated planning and implementation of measures aimed at improving energy efficiency in main consuming sectors in cities, while increasing their supply of renewable energy, and demonstrate its benefits.

The underlying concept of the proposal is the Smart Zero Carbon City concept, where city carbon footprint and energy demand are kept to a minimum through the use of demand control technologies that save energy and promote raised awareness; energy supply is entirely renewable and clean; and local energy resources are intelligently managed by aware citizens, as well as coordinated public and private stakeholders.

This approach will be firstly defined in detail, laid out and implemented in the three Lighthouse demonstrators (Vitoria-Gasteiz in Spain, Tartu in Estonia and Sonderborg in Denmark). The three cities will develop a number of coordinated actions aimed at:

- Significant demand reduction of the existing residential building stock through cost-effective low energy retrofitting actions at district scale.
- Increase in RES share of energy supply, through extensive leveraging of local potentials.
- Enhance the use of clean energy in urban mobility, both for citizens and goods, by means of extensive deployment of green vehicles and infrastructure.

An extensive use of ICTs is planned to achieve integration and consistency in demo planning and implementation, and to enable further benefits and secure involvement of citizens.

These actions will be aligned to city-specific Integrated Urban Plans (IUPs), and the process will be replicated in two Follower cities: Lecce, (Italy), and Asenovgrad (Bulgaria) to ensure adaptability and maximize the project impact.

Additionally, a Smart Cities Network will be setup to support project replication at European scale.

Related information

Report Summaries	Periodic Reporting for period 1 - SmartEnCity (Towards Smart Zero CO2 Cities across Europe)
-------------------------	---

Coordinator

FUNDACION TECNALIA RESEARCH & INNOVATION
PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2
20009 DONOSTIA SAN SEBASTIAN
Spain

Spain

EU contribution: EUR 1 298
516,25

Activity type: Research Organisations

[Contact the organisation](#)

Participants

Vivienda y Suelo de Euskadi, S.A.
Portal de Gamarra 1 A
01013 Vitoria-Gasteiz
Spain

Spain

EU contribution: EUR 4 121
486,26

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

[Contact the organisation](#)

Ayuntamiento de Vitoria-Gasteiz
Plaza España
01001 Vitoria-Gasteiz
Spain

Spain

EU contribution: EUR 234 875

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

[Contact the organisation](#)

CENTRO DE ESTUDIOS AMBIENTALES
CASA DE LA DEHESA DE OLARIZU
01006 VITORIA GASTEIZ
Spain

Spain

EU contribution: EUR 707 000

[See on map](#)

Activity type: Research Organisations

[Contact the organisation](#)

MONDRAGON CORPORACION COOPERATIVA SCOOP
PASEO JOSE M ARIZMENDIARRIETA 5
20500 MONDRAGON GUIPUZCOA
Spain

Spain

EU contribution: EUR 1 193
887,50

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

[Contact the organisation](#)

FAGOR EDERLAN S.COOP. Spain
TORREBASO PASEALEKUA 7 **EU contribution:** EUR 600
20540 ESKORIATZA GUIPUZCOA 460,88
Spain

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

[Contact the organisation](#)

AGRUPACION CLUSTER DE ELECTRODOMESTICOS DE EUSKADI AIE Spain
C POLO INNOVACION GARAIA GOIRU KALEA 1 1 A ERAIKUNTZA **EU contribution:** EUR 177 909
20500 MONDRAGON GIPUZKOA
Spain

Activity type: Other

[Contact the organisation](#)

ETIC-EMBEDDED TECHNOLOGIES INNOVATION CENTER S. COOP. Spain
GOIRU 1 POLO GARAIA **EU contribution:** EUR 176 800
20500 ARRASATE MONDRAGON
Spain

Activity type: Other

[Contact the organisation](#)

MCCTELECOM S COOP Spain
POLIGONO INDUSTRIAL BASABE EDIFICIO FO 2A PLANTA OFIC 15 **EU contribution:** EUR 599 200
20550 ARETXABALETA
Spain

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

[Contact the organisation](#)

ACCIONA CONSTRUCCION SA Spain
AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL **EU contribution:** EUR 342 125
28108 ALCOBENDAS
Spain

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

[Contact the organisation](#)

GIROA SOCIEDAD ANONIMA Spain
CAMINO PORTUETXE 53A oficina 201 **EU contribution:** EUR 1 583
20018 SAN SEBASTIAN 465,70
Spain

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

[Contact the organisation](#)

FUNDACION CARTIF
PQ TECNOLOGICO BOECILLO 205
47151 BOECILLO
Spain

Spain

EU contribution: EUR 382 375

Activity type: Research Organisations

[Contact the organisation](#)

ESTUDIOS GIS S.L.
Albert Einstein (Parque Tec. de Álava) 46 edificio 7
01510 MIÑANO
Spain

Spain

EU contribution: EUR 200 375

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

[Contact the organisation](#)

SONDERBORG FORSYNINGSSERVICE AS
ELLEGARDVEJ 8
6400 SONDERBORG
Denmark

Denmark

EU contribution: EUR 3 108
136,16

Activity type: Other

[Contact the organisation](#)

PROJECT ZERO A/S
Alsion 2
6400 Sonderborg
Denmark

Denmark

EU contribution: EUR 721 175

Activity type: Other

[Contact the organisation](#)

SONDERBORG ANDELSBOLIGFORENING
BYGTOFTEN 2
6400 SONDERBORG
Denmark

Denmark

EU contribution: EUR 348 507

Activity type: Other

[Contact the organisation](#)

BOLIGFORENINGEN SOEBO
SUNDSMARKVEJ 14
6400 SONDERBORG
Denmark

Denmark

EU contribution: EUR 364
567,50

Activity type: Other

[Contact the organisation](#)

BOLIGFORENINGEN B42
HOLGER DRACHMANN'S GADE 1
6400 SONDERBORG
Denmark

Denmark
EU contribution: EUR 813 377,50

Activity type: Other
[Contact the organisation](#)

VIKINGEGAARDEN AS
TINNETVEJ 70
7173 VONGE
Denmark

Denmark
EU contribution: EUR 1 108 940

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
[Contact the organisation](#)

PLANENERGI FOND
JYLLANDSGADE 1
9520 SKORPING
Denmark

Denmark
EU contribution: EUR 371 858,75

[See on map](#)

Activity type: Other
[Contact the organisation](#)

AALBORG UNIVERSITET
FREDRIK BAJERS VEJ 5
9220 AALBORG
Denmark

Denmark
EU contribution: EUR 149 382,50

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

TARTU LINNAVALITSUS
RAEKODA
50089 TARTU
Estonia

Estonia
EU contribution: EUR 5 408 375

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
[Contact the organisation](#)

SMART CITY LAB
LAI 30
51001 TARTU
Estonia

Estonia
EU contribution: EUR 175 000

Activity type: Other
[Contact the organisation](#)

MITTETULUNDUSUHING TARTU REGIOONI ENERGIAAGENTUUR
RIIA 185
51014 TARTU
Estonia

Estonia

EU contribution: EUR 357 950

Activity type: Other

[Contact the organisation](#)

TARTU ULIKOOL
ULIKOOLI 18
50090 TARTU
Estonia

Estonia

EU contribution: EUR 247 375

Activity type: Higher or Secondary Education Establishments

[Contact the organisation](#)

Institute of Baltic Studies
Lai 30
51005 TARTU
Estonia

Estonia

EU contribution: EUR 1 209 120

Activity type: Research Organisations

[Contact the organisation](#)

AS FORTUM TARTU
TURU18
51014 TARTU
Estonia

Estonia

EU contribution: EUR 188 125

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

[Contact the organisation](#)

TAKSO OÜ
VAHTRIKU, VORBUSE VILLAGE
61412 TARTU
Estonia

Estonia

EU contribution: EUR 92 750

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

[Contact the organisation](#)

TELIA EESTI AS
MUSTAMAE TEE 3 KRISTIINE DISTRICT
15033 TALLINN
Estonia

Estonia

EU contribution: EUR 397 425

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

[Contact the organisation](#)

Cityntel OU
AKADEEMIA TEE 21/1
12618 TALLINN
Estonia

Estonia

EU contribution: EUR 132
387,50

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

[Contact the organisation](#)

CITTA DI LECCE*COMUNE DI LECCE
VIA RUBICHI 3
73100 LECCE
Italy

Italy

EU contribution: EUR 115
311,25

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

[Contact the organisation](#)

RINA CONSULTING SPA
VIA SAN NAZARO 19
16145 GENOVA
Italy

Italy

EU contribution: EUR 158 375

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

[Contact the organisation](#)

OBSHTINI ASENOVGRAD
SQ ACAD NIKOLAY HAITOV 9
4230 ASENOVGRAD
Bulgaria

Bulgaria

EU contribution: EUR 82 250

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

[Contact the organisation](#)

SOFIA ENERGY CENTRE LTD
GALITCHITSA 37 ENTR 2 2ND FLOOR
1164 SOFIA
Bulgaria

Bulgaria

EU contribution: EUR 119 525

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

[Contact the organisation](#)

STEINBEIS INNOVATION GGMBH
WILLI BLEICHER STRASSE 19
70174 STUTTGART
Germany

Germany

EU contribution: EUR 601 750

Activity type: Research Organisations

[Contact the organisation](#)

Last updated on 2017-06-27

Retrieved on 2018-04-03

Permalink: https://cordis.europa.eu/project/rcn/200259_en.html

© European Union, 2018