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

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

**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

**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

**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

**EU contribution:** EUR 707,000

**Activity type:** Research Organisations

Contact the organisation

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

**EU contribution:** EUR 1,193,887.50

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

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

AGRUPACION CLUSTER DE ELECTRODOMESTICOS DE EUSKADI AIE
C POLO INNOVACION GARAIA GOIRU KALEA 1 1 A ERAIKUNTZA
20500 MONDRAGON GIPUZKOA
Spain

EU contribution: EUR 177 909

Activity type: Other
Contact the organisation

ETIC-EMBEDDED TECHNOLOGIES INNOVATION CENTER S. COOP.
GOIRU 1 POLO GARAIA
20500 ARRASATE MONDRAGON
Spain

EU contribution: EUR 176 800

Activity type: Other
Contact the organisation

MCCTELECOM S COOP
POLIGONO INDUSTRIAL BASABE EDIFICIO FO 2A PLANTA OFIC 15
20550 ARETXABAleta
Spain

EU contribution: EUR 599 200

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

ACCIONA CONSTRUCCION SA
AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL
28108 ALCOBENDAS
Spain

EU contribution: EUR 342 125

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

GIROA SOCIEDAD ANONIMA
CAMINO PORTUETXE 53A oficina 201
20018 SAN SEBASTIAN
Spain

EU contribution: EUR 1 583 465,70

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
FUNDACION CARTIF
PQ TECNOLOGICO BOECILLO 205
47151 BOECILLO
Spain

Activity type: Research Organisations
Contact the organisation

EU contribution: EUR 382 375

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

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

EU contribution: EUR 200 375

SONDERBORG FORSYNINGSSERVICE AS
ELLEGARDVEJ 8
6400 SONDERBORG
Denmark

Activity type: Other
Contact the organisation

EU contribution: EUR 3 108 136,16

PROJECT ZERO A/S
Alsion 2
6400 Sonderborg
Denmark

Activity type: Other
Contact the organisation

EU contribution: EUR 721 175

SONDERBORG ANDELSBOLIGFORENING
BYGTOFTEN 2
6400 SONDERBORG
Denmark

Activity type: Other
Contact the organisation

EU contribution: EUR 348 507

BOLIGFORENINGEN SOEBO
SUNDSMARKVEJ 14
6400 SONDERBORG
Denmark

Activity type: Other
Contact the organisation

EU contribution: EUR 364 567,50
BOLIGFORENINGEN B42  
HOLGER DRACHMANNS GADE 1  
6400 SONDERBORG  
Denmark  
**Activity type**: Other  
Contact the organisation

VIKINGEGAARDEN AS  
TINNETVEJ 70  
7173 VONGE  
Denmark  
**Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation

PLANENERGI FOND  
JYLLANDSGADE 1  
9520 SKORPING  
Denmark  
**Activity type**: Other  
Contact the organisation

AALBORG UNIVERSITET  
FREDRIK BAJERS VEJ 5  
9220 AALBORG  
Denmark  
**Activity type**: Higher or Secondary Education Establishments  
Contact the organisation

TARTU LINNAVALITSUS  
RAEKODA  
50089 TARTU  
Estonia  
**Activity type**: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)  
Contact the organisation

SMART CITY LAB  
LAI 30  
51001 TARTU  
Estonia  
**Activity type**: Other  
Contact the organisation
MITTETULUNDUSUHING TARTU REGIOONI ENERGIAAGENTUUR
RIIA 185
51014 TARTU
Estonia

Activity type: Other
Contact the organisation

TARTU ULIKOOL
ULIKOOLI 18
50090 TARTU
Estonia

Activity type: Higher or Secondary Education Establishments
Contact the organisation

Institute of Baltic Studies
Lai 30
51005 TARTU
Estonia

Activity type: Research Organisations
Contact the organisation

AS FORTUM TARTU
TURU18
51014 TARTU
Estonia

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

TAKSO OÜ
VAHTRIKU, VORBUSE VILLAGE
61412 TARTU
Estonia

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

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
Cityntel OU  
Estonia
AKADEEMIA TEE 21/1  
12618 TALLINN
Estonia

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

**EU contribution:** EUR 132 387,50

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

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

**EU contribution:** EUR 115 311,25

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

RINA CONSULTING SPA  
VIA SAN NAZARO 19  
16145 GENOVA
Italy

**EU contribution:** EUR 158 375

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

OBSHTINI ASENOVGRAD  
SQ ACAD NIKOLAY HAITOV 9  
4230 ASENOVGRAD
Bulgaria

**EU contribution:** EUR 82 250

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

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

**EU contribution:** EUR 119 525

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

STEINBEIS INNOVATION GGMBH  
WILLI BLEICHER STRASSE 19  
70174 STUTTGART
Germany

**EU contribution:** EUR 601 750

**Activity type:** Research Organisations

**Last updated on** 2017-06-27

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