

Ruggedised

Project ID: 731198

Funded under:

H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use

Rotterdam, Umea and Glasgow: Generating Exemplar Districts In Sustainable Energy Deployment

From 2016-11-01 **to** 2021-10-31, ongoing project

Project details

Total cost: EUR 19 562 867,50	Topic(s): SCC-1-2016-2017 - Smart Cities and Communities lighthouse projects
EU contribution: EUR 17 692 858,41	Call for proposal: H2020-SCC-2016 See other projects for this call
Coordinated in: Netherlands	Funding scheme: IA - Innovation action

Objective

The RUGGEDISED project will create urban spaces powered by secure, affordable and clean energy, smart electro-mobility, smart tools and services. The overall aims are:

1. Improving the quality of life of the citizens, by offering the citizens a clean, safe, attractive, inclusive and affordable living environment.
2. Reducing the environmental impacts of activities, by achieving a significant reduction of CO2 emissions, a major increase in the investment and usage of RES and an increase in the deployment of electric vehicles.
3. Creating a stimulating environment for sustainable economic development, by generating more sustainable jobs, stimulating community involvement in smart solutions and to boost start-up and existing companies to exploit the opportunities of the green digital economy and Internet of Things.

To achieve the aims, a key innovation challenge in all three lighthouse cities of RUGGEDISED is to arrange successful combinations of integrated smart solutions for energy and e-mobility (enabled by ICT platforms and open data protocols) and business models with the right incentives for stakeholders to invest and participate in a smart society. Specific challenges relevant for the lighthouse cities are:

- to manage peak load variation in thermal and electrical energy supply and demand;
- to develop appropriate cooperation structures and business models for exchange of energy;
- to develop Smart City (open) data platforms and energy management systems

RUGGEDISED has derived 10 specific objectives and planned 32 smart solutions to meet the challenges. The development of solutions in the lighthouse cities is not the primary goal of the project, but a necessary means to find the right incentives and to create validated business cases to enable large scale deployment and replication of solutions. Three follower cities Brno, Parma and Gdansk have selected 27 smart follower solutions to follow the lighthouse cities and to prepare for implementation in the future

Related information

Coordinator

GEMEENTE ROTTERDAM
COOLSINGEL 40
3011 ROTTERDAM
Netherlands

Netherlands

EU contribution: EUR 1 729
982,50

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

[Contact the organisation](#)

Participants

UMEA KOMMUN
SKOLGATAN 31A
90184 UMEA
Sweden

Sweden

EU contribution: EUR 1 566
917,50

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

[Contact the organisation](#)

GLASGOW CITY COUNCIL
285 GEORGE STREET FINANCIAL SERVICES
G2 1DU GLASGOW
United Kingdom

United Kingdom

EU contribution: EUR 2 469
323,75

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

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RISE RESEARCH INSTITUTES OF SWEDEN AB
BRINELLGATAN 4
501 15 BORAS
Sweden

Sweden

EU contribution: EUR 846 095

Activity type: Research Organisations

[Contact the organisation](#)

ISTITUTO DI STUDI PER L'INTEGRAZIONE DEI SISTEMI (I.S.I.S) - SOCIETA'COOPERATIVA
LARGO DEI LOMBARDI 4
00186 ROMA
Italy

Italy

EU contribution: EUR 611 450

Activity type: Other

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AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH
DONAU CITY STRASSE 1 TECH GATE VIENNA
1220 WIEN
Austria

Austria

EU contribution: EUR 1 087
296,25

Activity type: Research Organisations

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NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO
ANNA VAN BUERENPLEIN 1
2595 DA DEN HAAG
Netherlands

Netherlands

EU contribution: EUR 631 710

Activity type: Research Organisations

[Contact the organisation](#)

ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)*
Leopoldring 3
79098 Freiburg
Germany

Germany

EU contribution: EUR 774 875

Activity type: Other

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ERASMUS UNIVERSITEIT ROTTERDAM
BURGEMEESTER OUDLAAN 50
3062 ROTTERDAM
Netherlands

Netherlands

EU contribution: EUR 552
562,50

Activity type: Higher or Secondary Education Establishments

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UMEA UNIVERSITET
UNIVERSITETOMRADET
90187 UMEA
Sweden

Sweden

EU contribution: EUR 563
293,75

Activity type: Higher or Secondary Education Establishments

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UNIVERSITY OF STRATHCLYDE
Richmond Street 16
G1 1XQ GLASGOW
United Kingdom


United Kingdom

EU contribution: EUR 484
846,25

Activity type: Higher or Secondary Education Establishments

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VYSOKE UCENI TECHNICKE V BRNE
ANTONINSKA 548/1
601 90 BRNO STRED
Czech Republic

Czech 
EU contribution: EUR 100
676,25

Activity type: Higher or Secondary Education Establishments

[Contact the organisation](#)

STATUTARNI MESTO BRNO
DOMINIKANSKE NAMESTI 196/1
60200 BRNO
Czech Republic

Czech 
EU contribution: EUR 300 645

[See on map](#)

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

[Contact the organisation](#)

COMUNE DI PARMA
STRADA REPUBBLICA 1
43121 PARMA
Italy

Italy
EU contribution: EUR 376
953,75

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

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URZAD MIEJSKI W GDANSKU
UL. NOWE OGRODY 8/12
80803 GDANSK
Poland

Poland
EU contribution: EUR 279
346,25

[See on map](#)

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

[Contact the organisation](#)

Ballast Nedam Bouw & Ontwikkeling Holding B.V.
Ringwade 71
3439 Nieuwegein
Netherlands

Netherlands
EU contribution: EUR 919 282

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

[Contact the organisation](#)

ROTTERDAMSE ELEKTRISCHE TRAM NV
LAAN OP ZUID 2
3071 ROTTERDAM
Netherlands

Netherlands
EU contribution: EUR 412
186,25

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

[Contact the organisation](#)

ENECO ZAKELIJK BV Netherlands
MARTEN MEESWEG 5 **EU contribution:** EUR 169
3068 ROTTERDAM 410,50
Netherlands
[See on map](#)

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

Koninklijke KPN NV Netherlands
MAANPLEIN 55 **EU contribution:** EUR 329
2516 The Hague 581,88
Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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AKADEMISKA HUS AKTIEBOLAG Sweden
P O BOX 483 **EU contribution:** EUR 570
40127 GOTEBOG 495,63
Sweden

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

VASTERBOTTENS LANS LANDSTING Sweden
KOKSVAGEN 11 **EU contribution:** EUR 414
90189 UMEA 618,75
Sweden

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

UMEA ENERGI AKTIEBOLAG Sweden
. **EU contribution:** EUR 296
90105 UMEA 620,63
Sweden

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

UMEA PARKERINGS AKTIEBOLAG Sweden
PO BOX 297 **EU contribution:** EUR 112
90106 UMEA 870,63
Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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SCOTTISH GOVERNMENT
St Andrews House, Regent Road
EH1 3DG EDINBURGH
United Kingdom

United Kingdom

EU contribution: EUR 101 575

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

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SP POWER SYSTEMS LIMITED
ATLANTIC QUAY 1
G2 8SP GLASGOW
United Kingdom

United Kingdom

EU contribution: EUR 255
981,25

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

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TENNENT CALEDONIAN BREWERIES UK LIMITED
WELLPARK BREWERY 161 DUKE STREET
G31 1JD GLASGOW
United Kingdom

United Kingdom

EU contribution: EUR 110 481

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

[Contact the organisation](#)

SIEMENS PLC
SIR WILLIAM SIEMENS SQUARE FARADAY HOUSE FRIMLEY
GU168QD CAMBERLEY
United Kingdom

United Kingdom

EU contribution: EUR 389
834,38

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

[Contact the organisation](#)

PICTEC
UL. WIOSENNA 52
80178 GDANSK
Poland

Poland

EU contribution: EUR 98
063,75

Activity type: Research Organisations

[Contact the organisation](#)

UNIRESEARCH BV
Elektronicaweg 16c
2628XG DELFT
Netherlands

Netherlands

EU contribution: EUR 339
442,25

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

[Contact the organisation](#)

INFOMOBILITY SPA
VIALE MENTANA 27
43100 PARMA
Italy

Italy

EU contribution: EUR 89
348,88

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

[Contact the organisation](#)

FUTURE INSIGHT GROUP BV
HANZEPLEIN 11-27
8017 ZWOLLE
Netherlands

Netherlands

EU contribution: EUR 309 645

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

[Contact the organisation](#)

THE GLASGOW HOUSING ASSOCIATION LIMITED IPS
TRONGATE 177 GRANITE HOUSE
G1 5HF GLASGOW
United Kingdom

United Kingdom

EU contribution: EUR 254 235

Activity type: Other

[Contact the organisation](#)

GDANSKA INFRASTRUCTURA WODOCIAGOWO-KANALIZACYJNA SP ZOO
UL. KARTUSKA 201
80122 GDANSK
Poland

Poland

EU contribution: EUR 58
174,38

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

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RISE ACREO AB
BOX 1070
164 25 KISTA
Sweden

Sweden

EU contribution: EUR 85
037,50

Activity type: Research Organisations

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