



EIP-SCC

European Innovation Partnership
on Smart Cities and Communities

*Energy Union, Smart Cities and
Covenant of Mayors:*

Matching Cities and Finance

EUSEW 7th June 2018



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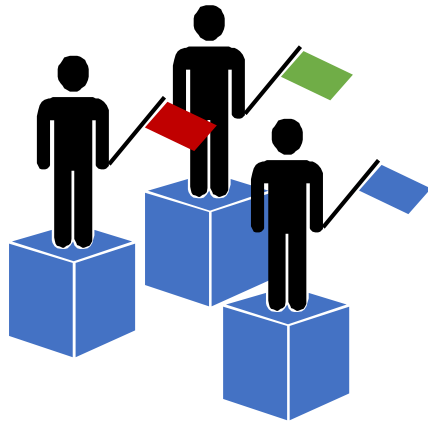
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«Matching cities and finance»

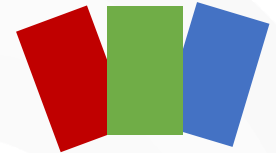


1. Pitching

Each pitch is linked to a specific colour.

2. Select the project/ topic of interest

...and apply a sticker of the same colour on your jacket/ dress of the presentation



Or

join one of the two thematic tables



- *How do we replicate digital islands/mobility hubs, role of the cities, and what is in for investors and companies?*
- *Discover the next activities of CoM and the EIP-SCC Marketplace and get involved!*

3. Meet at the Atrium and matchmake!

At the end of the pitches, you may find the persons interested in matchmake on the specific project/ topic thanks to the coloured sticker.

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Presentation of the Seraing project

Blue

Amélie Joveneau

REMOURBAN Project Manager AREBS asbl

Retrofit of Urban neighborhood Ougrée-Trasenster

Project Promoter	ERIGES/City of Seraing in collaboration with AREBS
Country	Belgium
Project Type	Several projects in the area. Project types including: <ul style="list-style-type: none">- Building deep retrofitting- Intermodality
Development state of the project	Different development levels based on specific project
Implementation Timeframe	2017 to 2022
Fund/financing available	ERDF funds + Liège Europe Métropole + Ville de Seraing + Walloon region
Project beneficiaries	Citizens, students, SMEs located both in Seraing and Liege
Stakeholders involved	City of Seraing, Infrabel/SNCB (train company), Eriges, experts on urban retrofitting

Project details

The project includes several projects in one neighbourhood of the city and at different development stage. Each of the listed project offers future opportunities in terms of developing additional smart solutions in these areas (right column).

Project name	Future opportunities	Type of project
1. Les Ateliers Centraux <ul style="list-style-type: none">– Renovation and requalification of industrial halls– Shared parking area (+650 slots)– Train line (Seraing-Liege) stop– New urban boulevard	<ul style="list-style-type: none">- Extra mobility services to citizen and commuters fueled by PV panels and storage solutions- Additional area of 5000 m2 for offices and 10.000 m2 for future complementary projects	<ul style="list-style-type: none">- Building deep retrofitting- Intermodality
2. The concert Hall 'OM' <ul style="list-style-type: none">– Renovation and requalification of:<ul style="list-style-type: none">– the concert hall– the nearby hospital of Ougree	<ul style="list-style-type: none">– NA (implementation phase)– Requalified space for cultural events	<ul style="list-style-type: none">- Building deep retrofitting
3. The Trasenster park area <ul style="list-style-type: none">– A former city townhall-Mairie Ougrée– A former castle– The Trasenster park	<ul style="list-style-type: none">– Retrofit into student housing– Retrofit into student housing– Workspace for new SMEs	<ul style="list-style-type: none">- Building deep retrofitting- New buildings settlement

Les Ateliers Centraux



Rénovation et requalification
d'anciennes halles industrielles

Parking mutualisé

Futur arrêt de train ligne 125A

The concert Hall 'OM'

CONCERTS ET
ÉVÈNEMENTS



Rénovation du prestigieux bâtiment de l'OM,
ancienne salle des fêtes de Cockerill



Spectacles
Expositions
Réceptions

Bureaux
Café-restaurant
Studios enregistrements



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The Trasenster park area

Logements pour
étudiants



10 minutes de l'UIg
et de plusieurs Hautes Ecoles

Création d'un espace
dédié à la culture



Un parc de 4 hectares
en bord de Meuse



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Presentations of the project RUGGEDISED

Red

Carina Aschan

Project Manager City of Umeå

Ruggedised

Project Promoter

City of Umeå

Country

Sweden

Project Type

The project has been implementing in various sectors:

- EV-charging infrastructure hub
- energy optimised electric BRT-station
- Geothermal heat/cold storage

Development state of the project

The projects is being implemented

Timeframe for implementation

2016 to 2021

Fund/financing available

Horizon 2020

Project beneficiaries

Citizens, energy company, university, and estate owners

Stakeholders involved

Estate owners, energy company, city, and regional hospital

Horizon 2020 Smart City Light House Cities



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EV-charging hubs with battery storage

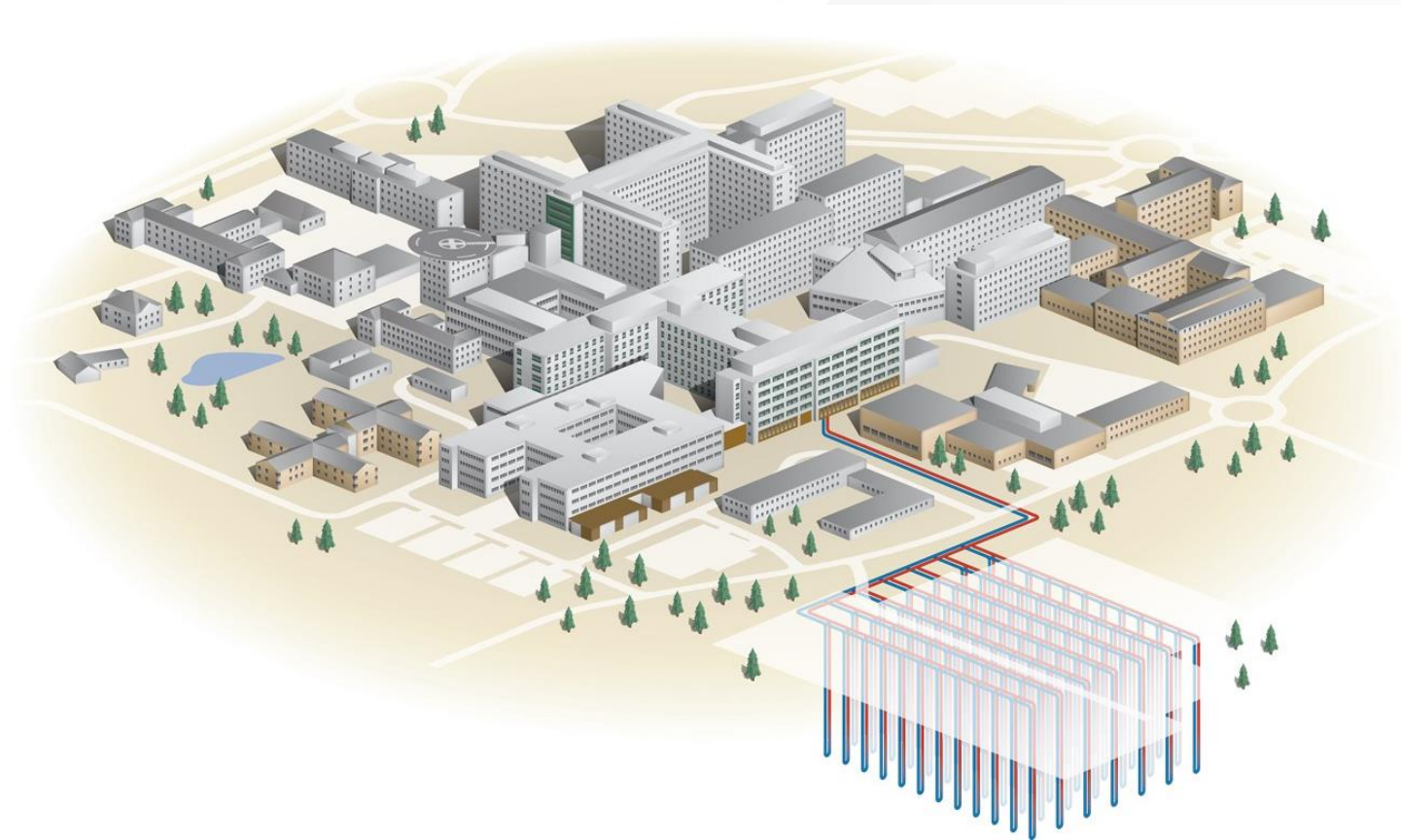


Fast Charging Fully Electric buses & BRT-station



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Geothermal heat/cold storage for sharing economy



Project details

RUGGEDISED is a project funded under Horizon 2020, which aims to demonstrate how to combine ICT, e-mobility and energy solutions to design smart, resilient cities for all. The project brings together three lighthouse cities: Rotterdam, Glasgow and Umeå and three follower cities: Brno, Gdansk and Parma

Sector	Description
EV-charging infrastructure hub	Up to eight new mobility hubs using solar energy will be installed for charging electric vehicles and e-bikes. Different batteries and storage solutions will be tested within the project. A smart power control management-system, which will include a dynamic payment system for the charging, will be assessed for tackling the EV charging adds strain to the power system
Energy optimised electric BRT-station	A new electric-bus-rapid-transit-hub (BRT-station) will be developed within the Umeå university campus area to tackle the problem of the heat and energy loss during passenger boarding, which currently reduces the range of e-buses during winter. Stops will be provided with shelters, heating systems, an intelligent ticket system using smart-phones and an insulation structure to minimise energy loss during boarding of passengers.
Geothermal heat/cold storage	A geothermal heat/cold storage unit connecting and mapping of various buildings (with different energy needs, i.e. energy used at different times of the day for different purposes) will be developed to better distribute energy. A business model which goes beyond the traditional landowner and energy company cooperation will be developed as part of the project.



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Presentation of Ujbuda project

Green

Dr Imre Rimóczi

Deputy chief of mayor's cabinet at Újbuda's Municipality
11th District of Budapest

Mlei Solanova-City of Újbuda and Pest County

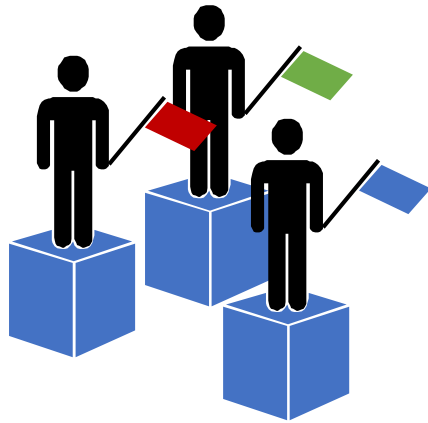
Project Promoter	Local Government of Újbuda, 11th District of Budapest
Country	Hungary
Project Type	Building deep retrofitting
Development state of the project	The projects was implemented
Timeframe for implementation	2013 to 2018
Fund/financing available	N/A
Project beneficiaries	Citizens, 5300 people and 2122 dwellings in Pest, 2600 residents and 1136 in Újbuda
Stakeholders involved	Local government of Ujbuda and Pest, Budapest university of Technology and Economics, Greenplayer Kft and Ex Ante Tancsaado Iroda

Project Details

Panel buildings, built with a obsolete technology, are a typical Hungarian and Eastern European problem. Hence, a variety of multi-family buildings do not meet current European standards. These buildings require huge maintenance cost, they have out-of-date heating-system and inadequate fixture whilst they are home to 2 M people in Hungary and 100 M people in Eastern Europe.

- Objective:** The main objective of the project is to develop model plans to be adopted easily to further buildings and integrated energy retrofit of 14 panel buildings.
- Actions:** The project develops full energy surveys and project designs for energy-oriented renovation using the SOLANOVA technique. This technique proved to be able to reach 60-80% of energy savings in these building types.
- Needs:** Project implementation period has already terminated, the project has not obtained financial support from central government in terms of grants. Therefore only 2 out of 14 houses that has decided to undersign construction contract, have found financial help from the Local Government of Újbuda.
- Next steps:** For each building and homeowners, financing plans will be identified and developed, in order to offer an optimal combination of private and community funding. Furthermore, a standardised funding schemes will be developed.

«Matching cities and finance»

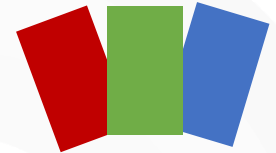


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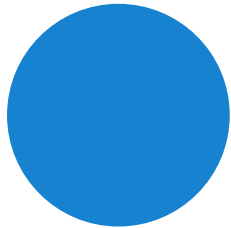
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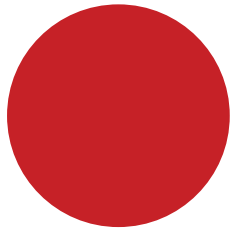
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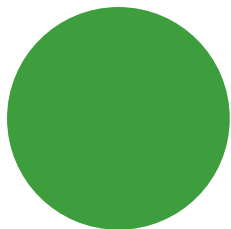
Colour Codes



Seraing, Belgium



Umeå, Sweden



Újbuda, Hungary