



Sustainable Peri-Urban framework
for Climate Neutral development

A photograph of a modern, multi-story glass building with several balconies and terraces. The terraces are lush with green plants and trees, creating a vertical garden effect. The building is set against a clear blue sky with some light clouds. A green L-shaped graphic element is on the left, and a yellow arrow graphic points upwards on the right.

SOLUTIONS PROVIDER

Energy community system (virtual microgrid)



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General Information

Solution Name

Energy community system
(virtual microgrid)

Solution Type

Energy management software|
Solar panels, battery, smart meters
|Policy Hub, S-LCA, Participatory
Governance and Urban Planning
Framework, Capacity building

Solution Owner

POARD

TRL Level

6 - 8+

Challenge solved

Target Pain Point

More renewable energy and cheaper energy locally.

The Innovation

Core Functionality

Investing in assets and sharing power between
entities using the local grid.

Beyond State of the Art

It is a virtual microgrid, pushing for a more
decentralized and democratic power grid.



User value - Benefits

01

Investing together in renewable energy production and energy storage

02

More renewable energy production locally

03

Lower energy prices

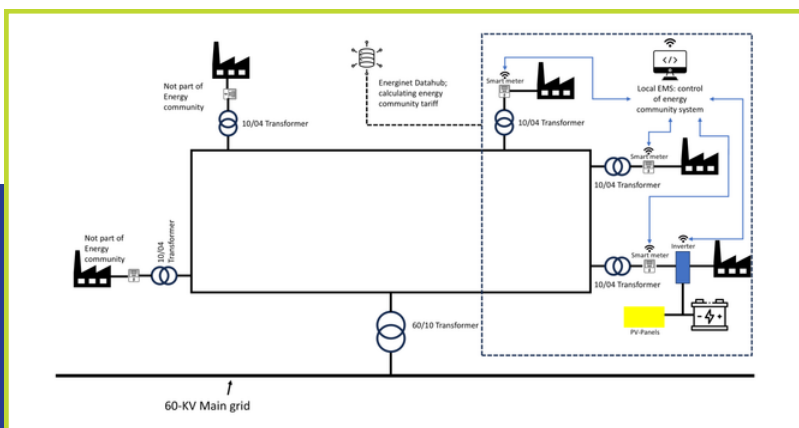
Implementation and validation

Living Lab

Living Lab 2: Aalborg, Denmark

Replication Potential

A blueprint for replicating virtual microgrid technology in other business parks



SPURUP

Sustainable Peri-Urban framework
for Climate Neutral development



National
Technical
University
of Athens



pwc



ciesie
the world is only one country



ile
Institute
for Urban
Excellence



SIMAVI
Software Imagination & Vision



University of
BRISTOL



WEST
OF ENGLAND
MAYORAL
COMBINED
AUTHORITY



FGS



prometech



DITENCO
ocean efficient engineering



MG sustainable



IANUS
TECHNOLOGIES



ppc inspectra



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We Deliver Intelligence



Teletso
Technologies



UNIQ CUBE



ΑΘΗΝΑΪΚΗ
ΖΥΘΟΠΟΙΑ



Aalborg
Kommune



CITY OF
THESSALONIKI



ZAGORKA



PORT OF
AALBORG



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AALBORG UNIVERSITY
DENMARK



ULTRAQUA
UV DISINFECTION SYSTEMS



Fulcea



IAMR
European Research Institute
Naples 1981



AESS



IESI
Comune di Iesi



CNH



novelcore
SOLUTIONS & INNOVATION



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innovation
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