Facilitating the Creation of an Energy Efficiency Marketplace

ENERGATE
ENERGY EFFICIENCY MARKETPLACE

GGGI
Global Green Growth Week
CONFERENCE 2023

Driving
Growing
Empowering
Green growth communities through knowledge transfer

EPU NTUA

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01. Background

- Energy efficiency is one of the **main priorities** of the European Union's energy and climate policy.
- Reaching **energy transition targets** is a challenge.
- There is a significant **untapped energy efficiency potential** in the building sector.
- Building renovation needs to be upscaled.
- Many **funding schemes** have been created for supporting energy efficiency renovations but still there are many **barriers** to overcome

There is the need for an **ICT platform** that will bring together energy services and sustainable financing to:

- **Accelerate** the renovation rates
- **Increase** the chances of a project to be financed
- **Support** decision making on EE retrofitting actions



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02. ENERGATE Overview (1/4)

ENERGATE
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Smart energy marketplace for sustainable investments

January 2023 – June 2025

The ENERGATE vision

Enable easy, predictable and risk-free renovation investments



Project development of retrofitting actions



Access to sustainable finance for renovation projects



Business matchmaking in a user-friendly ICT-enabled platform

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Life

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02. ENERGATE Overview (2/4)

Consortium

- **Well-balanced in terms of company types, expertise and value chain.**
- **Complementary expertise, from research and industry area**
- **Deliver successful exploitation of project results**



Project Coordinator

EPU N·T·U·A

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02. ENERGATE Overview (3/4)

Objectives

Project development

A large (standardized) project development facility for EE project sponsors and project owners or private or public entities

Feedback loops

Appropriate feedback loops that will measure the impact of the ENERGATE platform, i. e. by means of suitable M&V processes.

Aggregation

An aggregation, due diligence, and cash flow enhancement process, where projects and measures shall be packaged and enhanced appropriately, to be offered to financiers

Business matchmaking

Providing added value services to all of its users, by enabling business matchmaking, quality assessments and rankings and generally facilitate data and information exchange.

Standardised processes

A process that will enable the financial aggregation and conditioning to appropriate finance categories depending on predefined types of finance (e.g. private vs public)

02. ENERGATE Overview (4/4)

Target Groups

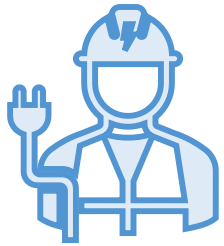
Pylon A



Building Owner

- Building manager
- Property manager
- Asset manager
- Real estate agent

etc.



Implementor

- Project developer
- ESCO
- Energy consultant
- Engineering company

etc.

Pylon B



Financier

- Private financing body
- Public financing body
- Investor
- Financial institution

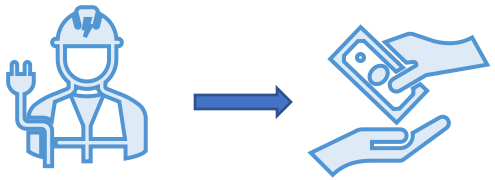
etc.

03. ENERGATE Platform (1/3)

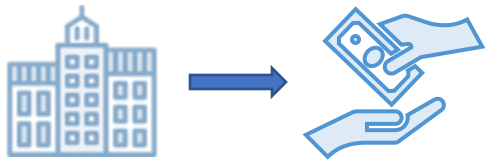
Use Cases



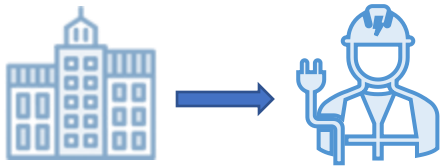
Use Case 1:
Building Owner searches for an Implementor
Implementor searches for Financier



Use Case 2:
Implementor searches for Financier



Use Case 3:
Building Owner searches for Financier



Use Case 4:
Building Owner searches for Implementor

03. ENERGATE Platform (2/3)

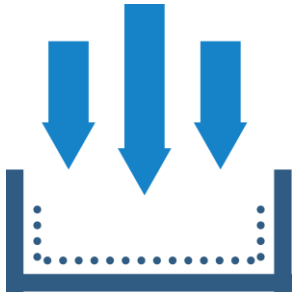
Stages

ZERO STAGE



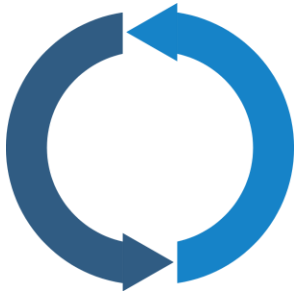
Insertion of project-related information

FETCH STAGE



Collection of project-related data

PROCESS STAGE



Aggregation of EE products and matchmaking with appropriate financing

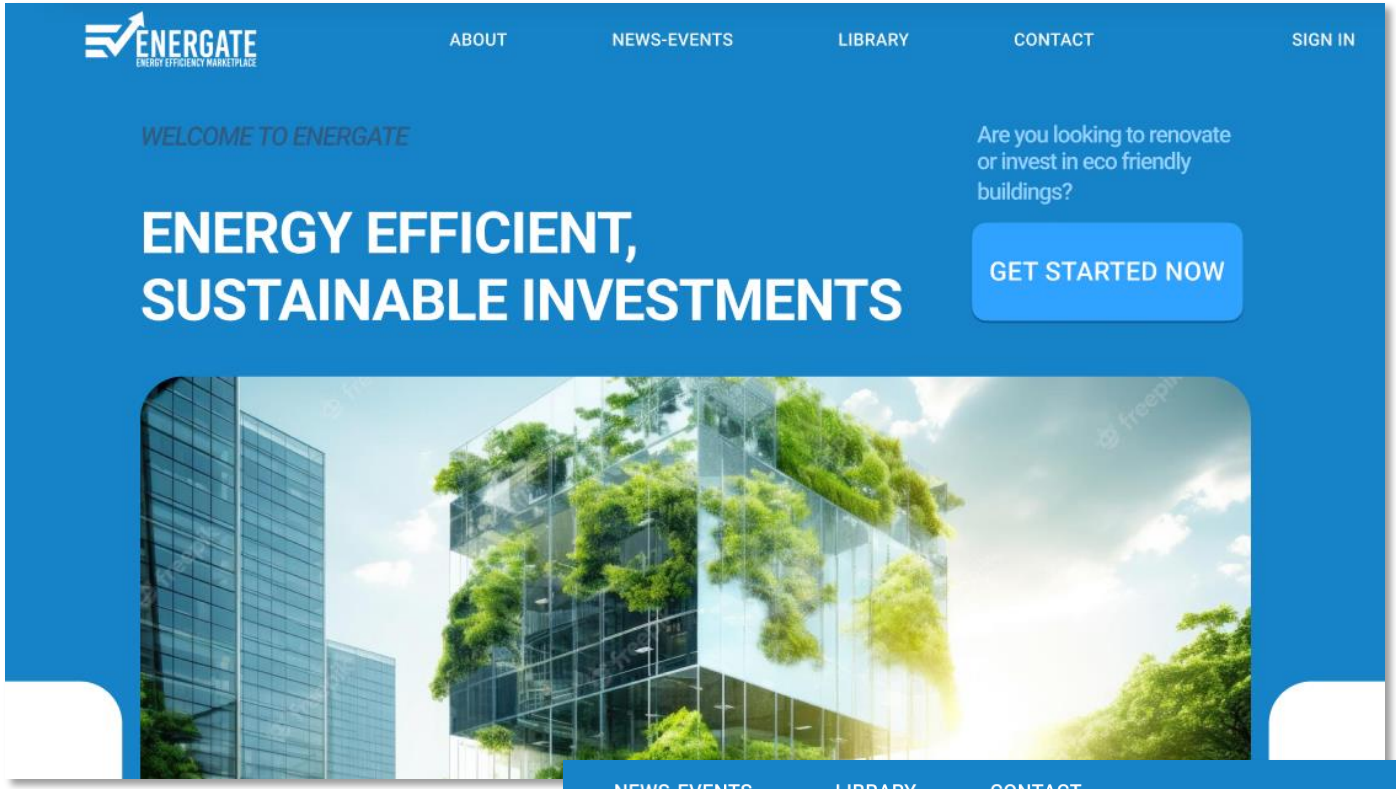
DELIVER STAGE

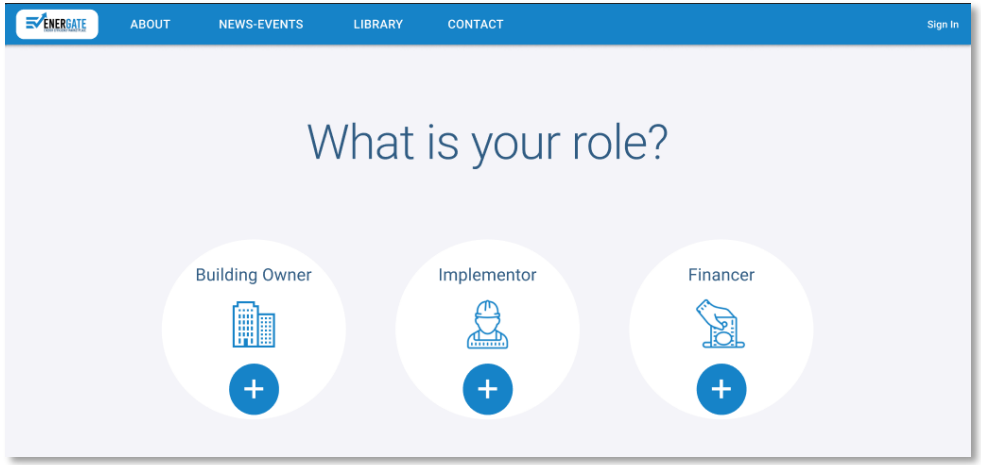


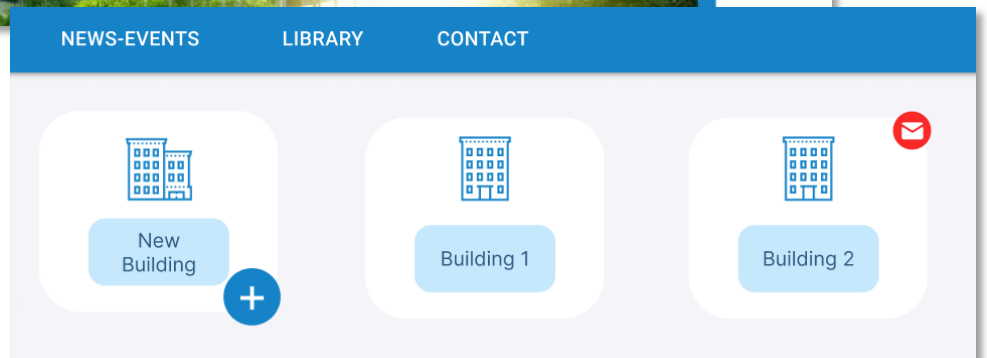
Follow-up on realised projects: feedback & validation

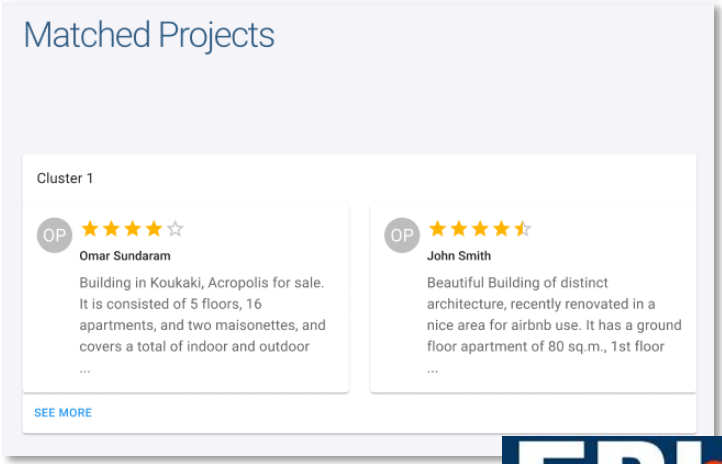
03. ENERGATE Platform (3/3)

User Interface









04. ENERGATE pilots

Deployment & validation phase to be done by indicative representatives from Demand & Supply side

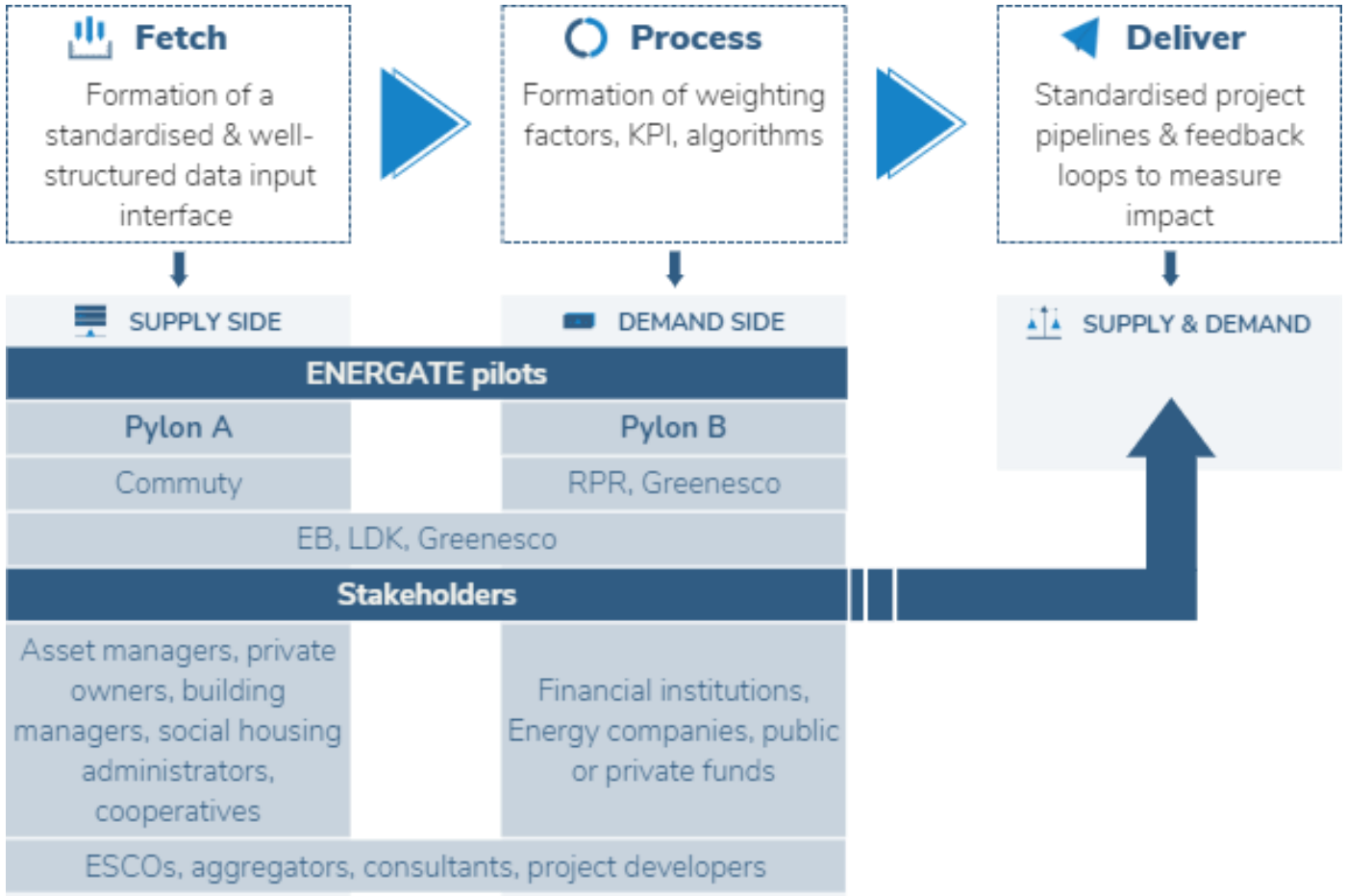
LDK CONSULTANTS — Energy Consulting, Design of cost optimal solutions for EE

commuty — SME, expertise of asset and project management

enerbrain — Turns energy-wasteful building into smarter (IoT, algorithms).

Riga Planning Region — Planning socioeconomic development of Riga, identification of projects

GREENESCO ENERGY SERVICES — Founded by Attica Finance & PPCR, access to infrastructures & buildings



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05. Expected impact

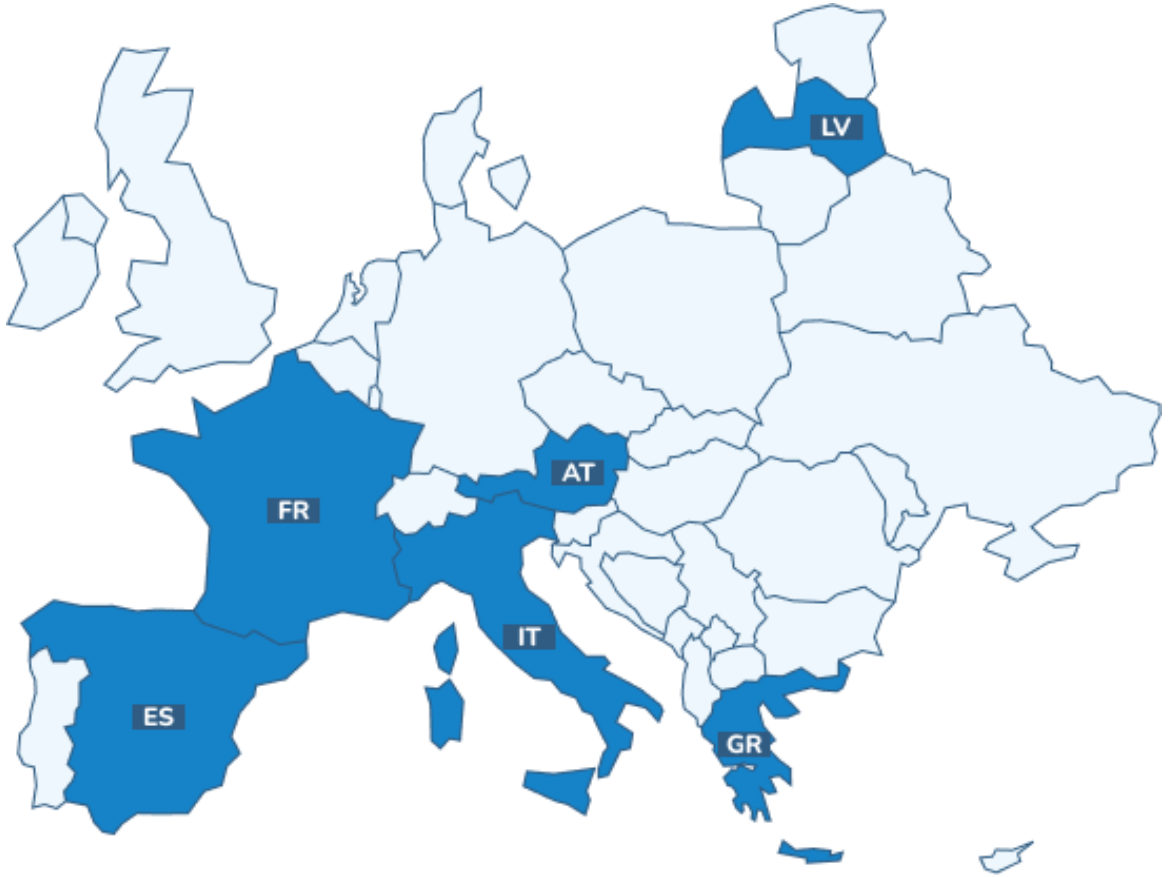
5 Pilot partners in **6** EU countries

UP TO
180 Buildings with EE investments

UP TO
132 Final energy savings
GWh/year

UP TO
171 GHG emissions saved
tCO2eq/year

UP TO
314 Triggered investments
Million Euros



06. Explore our results



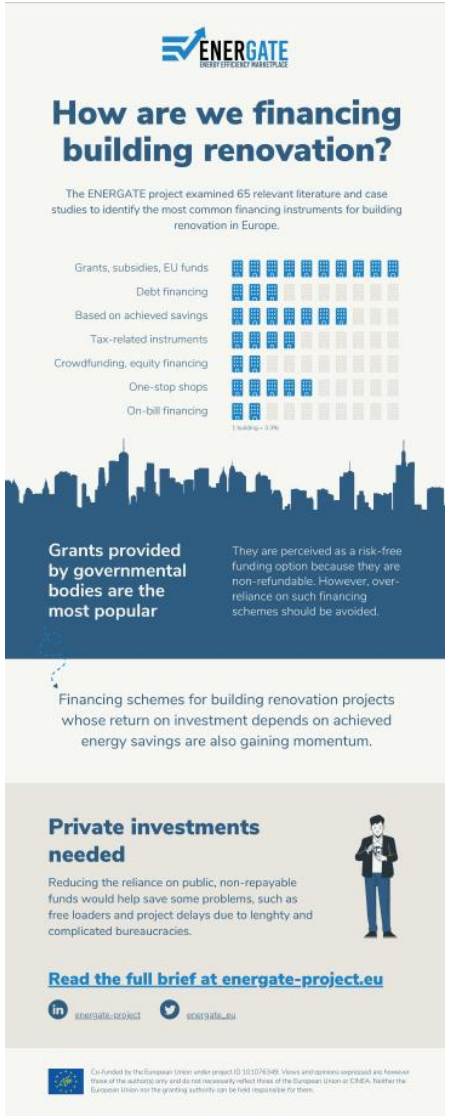
[1st ENERGATE Regional Training Workshop in Madrid]



[ENERGATE Newsletter, Issue July 2023]



[ENERGATE User Profiles]



[ENERGATE Factsheet on Financing Typologies for Building Renovation]

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Help us improve our workflow:



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Thank you

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