

# Energy Efficient Buildings & NEB Matchmaking and Study Visit

11-13 MARCH 2026  
BRUSSELS

HORIZON  
europe

NCBR  
National Contact Point  
for EU Research Programmes

  
Industry  
Contact  
Point  
Low-emission  
Technologies  
and Clean Energy

NCBR  
National Centre for Research  
and Development

HORIZON  
europe

# 1 – My organization

## Energy Community Bessarion

- a non-profit association i) promoting community-based organization and ii) providing free access to electricity to the less-privileged social groups.

## Main areas of activity and expertise

- The founding members are PhD holders and experts in telecoms and smart grids.
- In-house development team
- 2 released services:
  - PV-as-a-Service: Shared PV installation divided into fixed shares (kW) proportional to each member's investment.
  - Green Certificates: Ensure the traceability and authenticity of green energy via a blockchain-based monitoring and verification mechanism

## Past experience in EU-funded projects

- granted 3 competitive European projects.
- extensive experience in management and execution of EU projects (technical manager, coordinator).

**Contact: [ecbessarion@gmail.com, <https://www.ecbessarion.gr/>]**

# 2 – Project Idea

**Issuer Information**

EC Bessarion
Identity: CONFIRMED
Delegation: CONFIRMED

Signature: VALID
Data (Blockchain): VERIFIED
# Supply: 440523154
Period: 2025-10 → 2025-12

**Selected Topic A:** HORIZON-CL5-2026-09-D4-01 (Researching the technical, social & economic factors impacting the energy performance of Smart Buildings)

- Address the challenges arising in municipal (or public) Smart Buildings that users are not paying for the electricity used.
- **Need for novel incentives mechanisms:** Tokenized rewards based on adoption of sustainable practices.

**Selected Topic B:** HORIZON-CL5-2026-09-D4-03 (Advanced data platforms to integrate whole life carbon in building information tools, assessments, and certification)

- Expand our energy certificates solution to capture end-to-end carbon footprint in a fully transparent way.
- **Need for novel verification mechanisms:** Verifiable Energy Performance Certificates, Smart Readiness Indicators

**Comparison Results Overview: Period B (10/25–12/25) vs Period A (10/24–12/24)**

Metric	10/24–12/24	10/25–12/25	Difference	Change %
Energy from Grid (avg kWh/month)	349.72 kWh	322.64 kWh	-27.08 kWh	-7.7%
Cost (avg €/month)	69.92 €	61.49 €	-8.43 €	-12.1%
Total Consumption (avg kWh/month)	349.72 kWh	395.21 kWh	+45.49 kWh	+13.0%
Green Generation (avg kWh/month)	0.00 kWh	92.68 kWh	+92.68 kWh	0.0%
Green Self-Consumption (avg kWh/month)	0.00 kWh	72.57 kWh	+72.57 kWh	0.0%
Greenness % (self-consumption)	0.00%	18.40%	+18.40%	0.0%

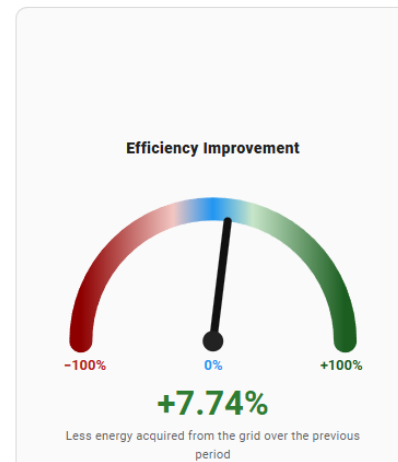
**Cost (avg / month)**

10/24–12/24	10/25–12/25	Difference
<b>69.92€</b>	<b>61.49€</b>	<b>-8.43€</b>
		-12.1%

Assumption: €0.15/kWh of consumption, €0.05/kWh grid use charges.

**Total Savings (period total)**

10/24–12/24	10/25–12/25
<b>0.00€</b>	<b>52.56€</b>





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# 3 – Expression of Interest

## Areas of expertise & contribution proposed

### Unique blend of

- deep technical expertise,
- project management, and
- a running pilot

### Both technology provider & pilot site (commitment of local municipality)

#### System Overview

 **102/102**  
Meters Online



 **418.80 W**  
Total Power

 **5.94 GWh**  
Total Energy from Grid

 **105.84 MWh**  
Total Energy to Grid

 **Admin**  
Access Level

Search meters

Sort by  
Supply Number  

Total Meters: 106 Sofades: 91 EC Bessarion: 15

**Municipality of Sofades** 91 meters

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**EC Bessarion** 15 meters

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