Interreg
Balkan-Mediterranean
PV-ESTIA

Project co-funded by the European Union and National Funds of the participating countries

Website: http://www.pv-estia.eu/

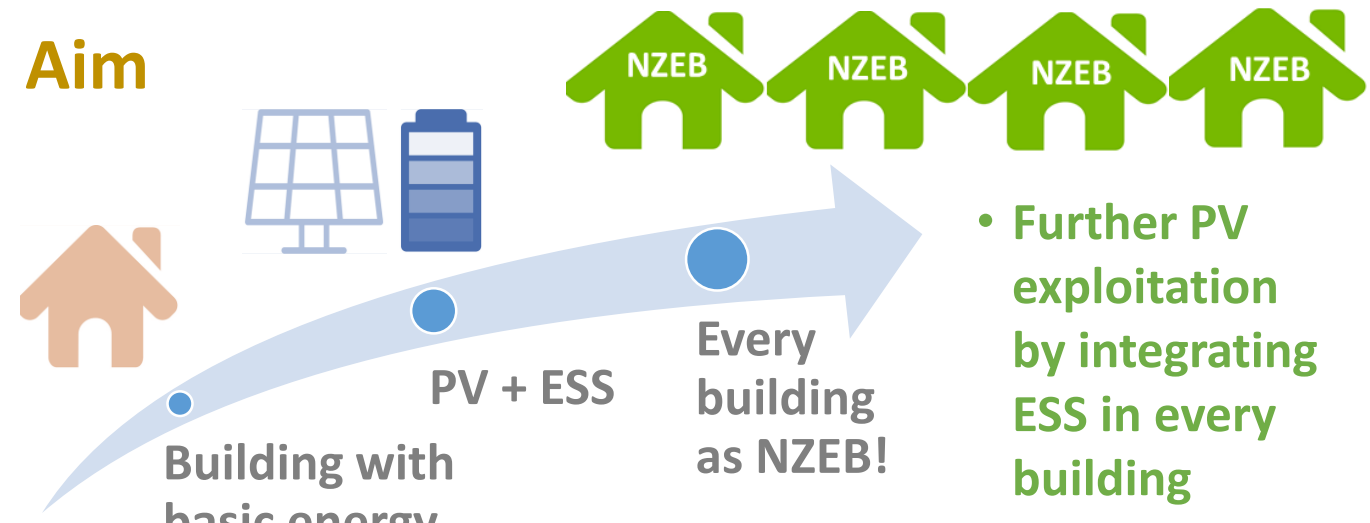
Enhancing Storage Integration in Buildings with Photovoltaics

Primary goals

To enhance the integration of **Photovoltaics (PVs)** and **Energy Storage Systems (ESS)** in the built environment, facilitating the transition towards **Nearly Zero Energy Buildings (NZEBs)**

- Identify and tackle barriers in PV deployment
- Provide a new energy management solution for buildings, taking into consideration potential grid interactions
- Transform buildings into a controllable energy source
- Design and implement proper policies and regulations

Aim



- **Further PV exploitation by integrating ESS in every building**
- **Energy Storage as the driver**

Pilot sites

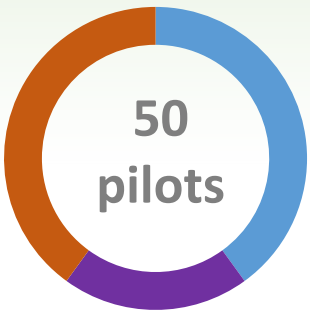
Residential with PV+ESS

ESS: 5-10 kWh

Commercial with PV+ESS

ESS: 7-30 kWh

Residential with PV



PV: 1-10 kWp

Pilot building breakdown

- Thessaloniki
- Kozani
- Nicosia
- Plovdiv
- Skopje

POWER SYSTEMS LABORATORY ARISTOTLE UNIVERSITY OF THESSALONIKI

UNIVERSITY OF WESTERN MACEDONIA

FOSS Research Centre for Sustainable Energy

ЕНЕРГИЙНА АГЕНЦИЯ ПЛОВДИВ

ENERGY AGENCY OF PLOVDIV

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ΥΠΟΥΡΓΕΙΟ ΠΕΡΙΒΑΛΛΟΝΤΟΣ ΕΝΕΡΓΕΙΑΣ & ΚΛΙΜΑΤΙΚΗΣ ΑΛΛΑΓΗΣ

Αρχή Ηλεκτρισμού Κύπρου
Electricity Authority of Cyprus

EVN Group