

“ The project proposes a new approach to energy transition for protected heritage buildings and islands under landscape constraints ”

The EU Islands Facility NESOI is pleased to introduce the clean energy projects receiving its support:

RENEWDAMMUSI

Renewable and energy efficient solutions for local dwellings dammusi



Country  ITALY	Island PANTELLERIA	Project promoter Ente Parco Nazionale Isola di Pantelleria	Sector Energy efficiency	Project value 14 M€
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What is the project about?

- Dammusi, the most largely diffused constructions on Pantelleria, are unique vaulted buildings, dating back to the Byzantine era and made with local volcanic stones.
- The project investigates, enables and encourages the application of technological options for energy efficiency and self sufficiency such precious architectural heritage elements: heat pumps, shell thermal insulation replacement of windows & doors, building-integrated PV systems and solar thermal panels, geothermal probes.

How will the EU Islands Facility NESOI support the project?

- Assessment of the key project sizing drivers
- Creation of technical guidelines for the renewal of the local building stock
- Definition of the required environmental permitting procedures
- Cost Benefit analysis and socio economic and environmental impact evaluation
- Definition of the technical, economic and financial, fiscal project inputs
- Risk analysis and identification of available mitigation strategies
- Assessment of existing procurement options (e.g. tender, PPP, etc.)
- Financial modelling and identification of target scenario
- Identification of financing/funding options
- Action plan and identification of project monitoring procedures
- Technical support in communication and dissemination of the results



Typical dammuso on Pantelleria island

(Source: Dajethy)