

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

## NERIDA

Sustaining drinking water services and electromobility in insular areas by integrating grid-tied and autonomous PV power



“NERIDA will further advance the existing RES infrastructure on Tilos, by developing smaller-scale, distributed generation solutions for the water and e-mobility sectors”

Country	Island	Project promoters	Sector	Project value
 GREECE	TILOS	Tilos Municipality University of West Attica (UNIWA)	PV	500,000 €

### What is the project about?

- The project consists in the installation of a grid tied 25 kWp PV system, as well as 2 stand-alone PV-Solar inverter configurations with nominal capacity of 7.5 kW and 2.5 kWp, in municipality-owned installation sites, capable to partially serve the needs of both EV charging station and existing water pumping stations.
- Concurrently, the orchestration platform will be developed in UNIWA facilities, and shall be deployed on an existing computing server, on the island of Tilos. The platform will provide charging recommendations to drivers of municipal EV fleet and automatic operating instruction sets to water pumping stations, for offsetting between the produced water and water demand.

### How will the EU Islands Facility NESOI support the project?

- Risk analysis and identification of available mitigation strategies
- Identification of potential financing options
- Market testing with potential investors
- Review of energy audits and technical dimensioning of the project
- Definition of the targeted tendering procedure
- Drafting of works/services tender documentation
- Support during the works/services tendering procedure Q&As



*Tilos island* (Source: greeka.com)