




EUROPEAN ISLANDS FACILITY

“ Another 28 isolated island electricity systems with similar characteristics exist in Greece, where PPC and DAFNI may replicate the project ”

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

DGReS-Aegean

Decarbonization of Generation and Resilience of Security of Power Supply in an autonomous North-Aegean Archipelago

Country  GREECE	Islands CHIOS PSARA OINOUSSES	Project promoters Network of Sustainable Greek Islands (DAFNI) Public Power Corporation S.A.	Sectors PV Storage	Project value 31,200,000 €
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What is the project about?

- CHIOS: Installation of a battery energy storage system within the existing thermal power plant; installation of new PV plants; partial replacement of fossil diesel with renewable diesel.
- OINOUSSES: Installation of a battery energy storage system and of new PV plants.
- PSARA: Installation of a battery energy storage system at the site of its abolished thermal power plant; installation of new PV plants.

How will the EU Islands Facility NESOI support the project?

- Identification of suitable technological options given existing project sizing requirements
- Definition of the required environmental permitting procedures
- Cost-Benefit, socioeconomic and environmental analysis
- Identification of the preferred option and corresponding definition of project inputs
- Risk analysis and identification of available mitigation strategies
- Assessment of existing procurement options
- Financial modelling and identification of target scenario
- Identification of financing/funding options
- Action plan and identification of project monitoring procedures
- Analysis of the permitting procedures and contractual framework



Traditional windmills at Chios town (Source: Chios Tourism Department)

