

SAVE

Sustainable Actions for Viable Energy

Country	Island	Project promoters	Sector	Project value
 GREECE	CRETE	Minoan Energy Community	Energy community	3,200,000 €



“ Smart grid and V2G concepts are introduced for the first time in Crete and the current passive consumers are turned into active prosumers ”

What is the project about?

- Electricity from Crete’s wind parks’ electricity will be absorbed by decentralized storage devices, including vehicle-to-grid (V2G), and injected back to the grid during peak demand periods, replacing thermal generators’ production.
- Two sports facilities owned and operated by the municipality will be involved as prosumers in the smart grid. The stored electricity, combined with electricity production from PV, will lead to annual compensation of their electricity consumption, resulting to zero-energy facilities, together with their energy performance upgrade.

How will the EU Islands Facility NESOI support the project?

- Assessment of the key project sizing drivers
- Identification of suitable technological options given existing project sizing requirements
- 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
- Financial modelling and identification of target scenario
- Identification of financing/funding options
- Action plan and identification of project monitoring procedures
- Capacity building; contractual and regulatory analysis
- Design for sports facilities, tender documents and application for funding



Minoas Pediadas’ sport facilities included in the project

(Source: Minoan Energy Community)