

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

FossilFreeSamsø

Support to the 'fossil-free island' process in Samsø, Denmark

“In 2007 Samsø had achieved net-zero emissions. Samsø's new goal is that fossil fuels are not used on the island, nor are they part of the electricity mix.”

Country  DENMARK	Island SAMSØ	Project promoter Samsø Energy Academy	Sector Plan	Project value 113,800,000 €
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What is the project about?

- Electric ferries with exchangeable batteries after each trip
- Biogas plant using local biomass, substituting fossil fuels for ferry and other heavy machinery
- Electrification of the island's district heating system using local renewable electricity
- Energy efficiency measures for heat savings and heat pumps in households and businesses
- Energy storage solutions
- Upscale of a smart grid that manages the energy demand at the Ballen marina
- Large solar plant for additional local renewable electricity
- Rethinking of the e-mobility system.

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
- High level analysis on selected technologies/projects + regulatory framework
- High level analysis of expected impacts
- 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



A ferry to Samsø

(Source: Samsø Kommune)