

New consortium to explore floating nuclear power in the Mediterranean

Bojan Lepic July 3, 2025

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Shipping nuclear propulsion start-up CORE POWER, ABS, and Athlos Energy have formed a consortium to evaluate the potential of floating nuclear power plants (FNPPs) to meet the energy demands of islands, ports, and coastal communities in the Mediterranean Sea.

The group will research how FNPPs can potentially unlock a range of applications, including the establishment of grid-scale electricity to remote locations, the delivery of emission-free energy to ports, and the distribution of clean energy to desalination plants that could provide potable water to drought-affected coastal communities.

This consortium will develop original FNPP concepts of operations and publish a visual display of their prospective locations.

The ABS Global Ship Systems Centre, based in Athens, will lead a political, economic, social, technological, legal, and environmental study to assess the feasibility of adapting the concepts of operations to supply power and other benefits in the Aegean Sea.

"As Greece reconsiders its energy future, the role of nuclear power is increasingly back on the agenda. This study marks an important first step in assessing the feasibility of deploying floating nuclear reactors in the Aegean Sea," said Dionysios Chionis, co-founder of Athlos Energy.

The main deliverable of this collaboration will be an open-access white paper for use by industry, policymakers, and government.

"Floating nuclear power facilities show promise in supporting power grids, microgrids, industrial and port operations and data centres, among others," said Christopher J. Wiernicki, ABS chairman and CEO.