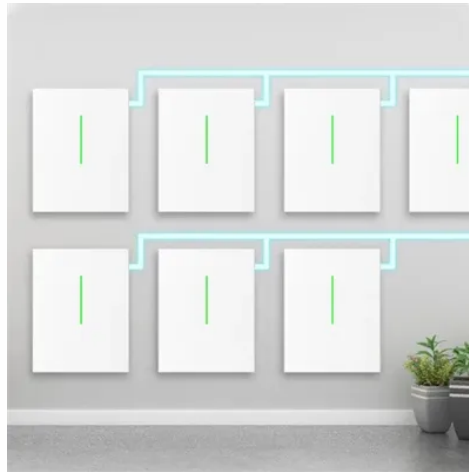




15MWh Off-Grid Solar Container in Port of Spain



Overview

An ACCIONA-led consortium, including Jan de Nul and Grupo Bertolín, has been awarded the contract for the construction of the container. The project is part of the broader BilbOPS programme, the goal of which is to enable vessels to connect to clean onshore electricity while docked. Norwegian floating solar specialist Ocean Sun has deployed a 270 kW system based on its novel membrane technology at the saltwater port of Tzacorte on La Palma, one of Spain's Canary Islands. Ocean Sun, a Norway-based floating PV technology developer, has completed a 270 kW floating solar PV. is expected to be completed by the end of 2023. This will allow EndesaX to build and operate the shore-to-ship power system at the port of Cadiz allowing the port authority to achieve its GHG goals by getting involved in ain plans on simply buying an existing property. “The panels are connected to a single string inverter and will supply the local industry through. How will Spain's LNG terminal improve energy resilience?

Additionally, the terminal plans to enhance energy resilience by installing up to 2MVA of onsite solar panels in Spain, introducing a reefer container gangway to replace the use of diesel gensets, and electrifying small equipment like. Spain's solar panel container projects now deliver up to 18-24% annual returns, thanks to 2,800+ sunshine hours and aggressive feed-in tariffs. With global lithium battery prices dropping to \$98/kWh (BNEF 2023), hybrid systems achieve ROI in 4-7 years – 30% faster than German or U.

Article Content

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This is the product of combining collapsible solar panels with a reinforced shipping container to provide a mobile solar power system for off-grid or remote locations.

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Port of Spain solar container project process

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Port of Spain land house solar container project

The installations form part of the Port's BilbOPS project, which is designed to allow vessels to connect to the onshore power supply at the ro-ro, ro-pax, container and cruise terminals.

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What is the new solar installation in Valencia & Gandia? This new installation is in addition to the start-up in January of two other solar plants in the ports of Valencia and Gandia".

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