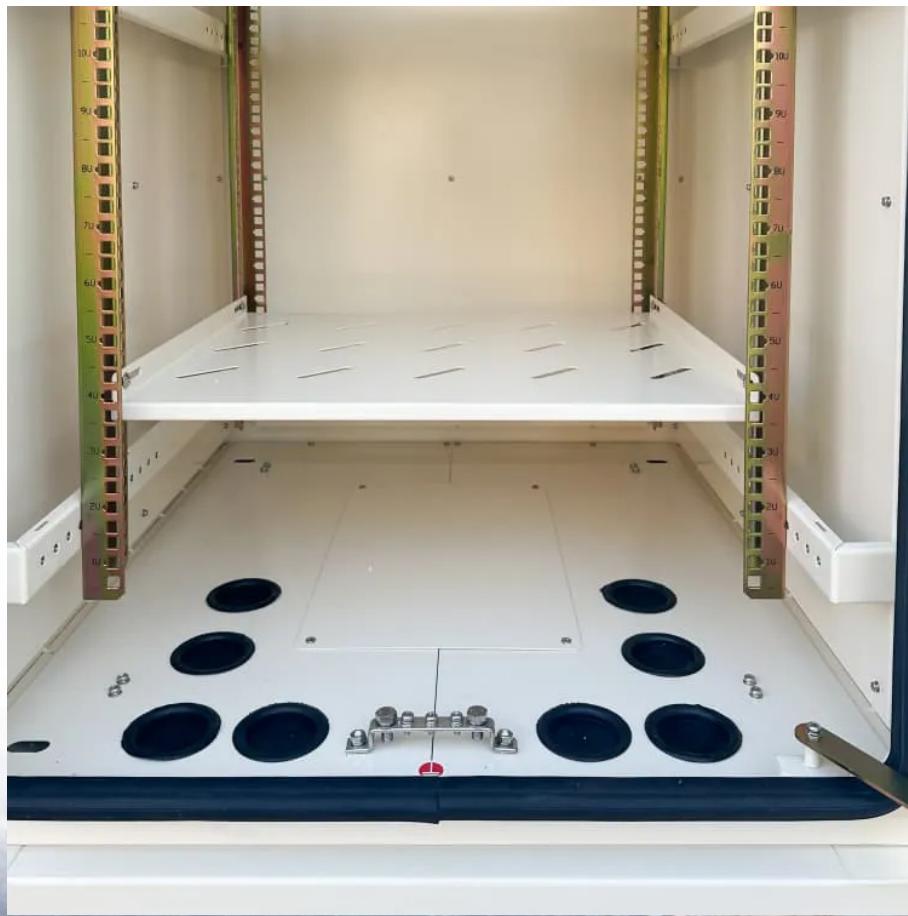




LLSE CONTAINERS

# Spanish Port Energy Company uses wind-resistant photovoltaic energy storage containers





## Overview

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Which energy resources are available in Spanish offshore platforms?

In this study, ERA5 reanalysis is used to calculate wind, solar and wave energy resources in Spanish potential locations for offshore platforms. The results indicate that wind energy presents the largest energy resource for all Spanish offshore regions, followed by photovoltaic energy.

How much energy does the port of València use?

The sum of the energy obtained between the two solar parks represents 18% of the total electricity consumed by the Port of València in its daily operations. With a useful surface area of 35,000m<sup>2</sup>, the plant consists of 10,530 photovoltaic modules with an installed power of 5,738.85 kWp and a production capacity of 8,380.00 MWh/year.

What is the new infrastructure of the Port Authority of Valencia (PAV)?

The new infrastructure of the Port Authority of Valencia (PAV) is located above the vehicle silo and already generates renewable energy. The electricity obtained with its commissioning is added to that produced since January 2024 by the solar plant at Muelle Príncipe Felipe.

How are offshore power plants regulated in Spain?

The future deployment of offshore power plants around Spain (Iberian Peninsula, Balearic and Canary Islands) is regulated by the Royal Decree 363/2017, through Maritime Spatial Planning (MSP).



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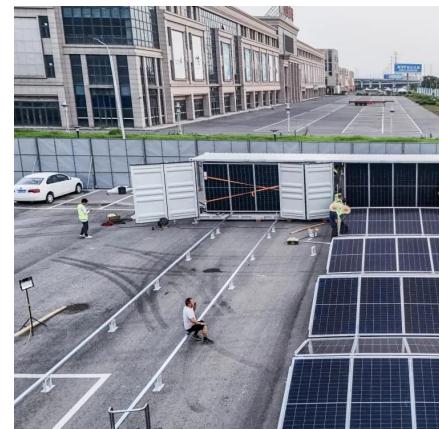


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