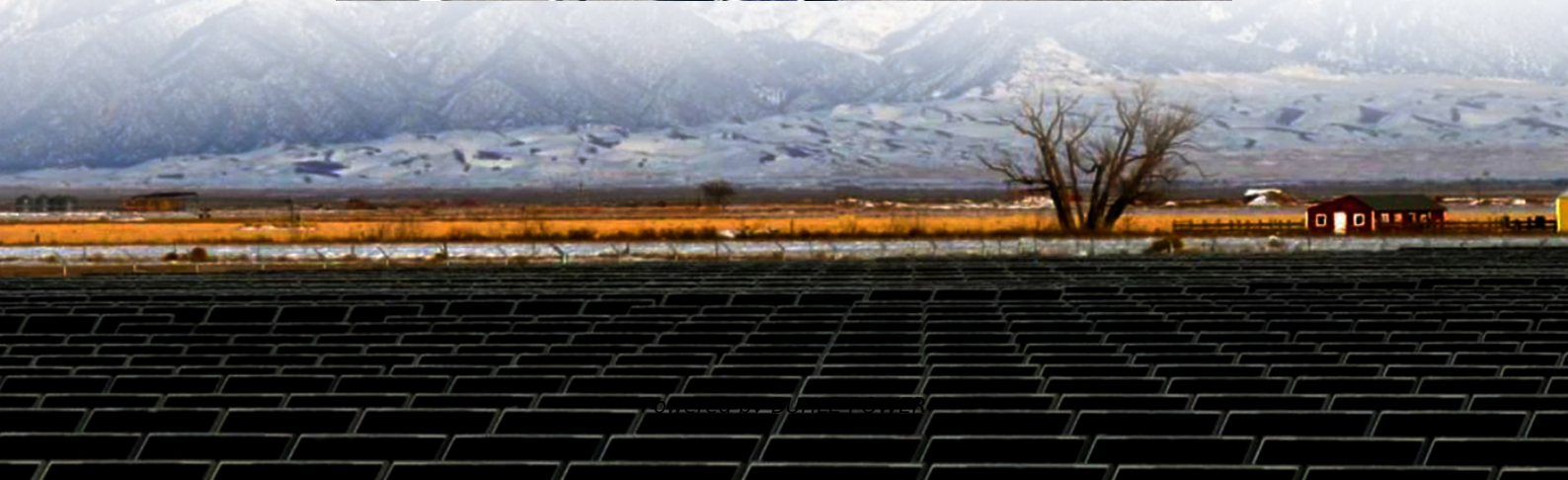


# **High-pressure type Romanian energy storage container for oil platforms**





## Overview

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What technologies are suitable for offshore oil and gas platforms?

Offshore oil and gas platform Technology suitability assessment Energy storage Supercapacitors Lithium-ion batteries Flywheels Superconducting magnetic energy storage Abbreviations DFIM Doubly fed induction machine ELDC Electrostatic double layer capacitor ES Energy storage ESR Equivalent series resistance FC Fuel cell GT.

What does Romania want from energy storage projects?

Romania wants mature projects that can be implemented quickly and that can help balance the system, he was quoted as saying. Romania has allocated EUR 80 million under its National Recovery and Resilience Plan (PNRR) for energy storage projects, which is expected to result in contracts for a total of 1.8 GW of capacity, according to Burduja.

What is Romania's largest battery storage system?

In April, Romania's largest battery storage system, of 24 MWh, was put into operation. It is the first phase of a project totaling 216 MWh. The facility is connected to the Mireasa wind farm of 50 MW, while a 35 MW solar power plant is expected to be added by the end of 2024.

Can high-power energy storage systems be used in isolated power systems?

This paper presents a technology suitability assessment (TSA) of high-power energy storage (ES) systems for application in isolated power systems, which is demonstrated through the case of offshore oil and gas platforms (OOGPs).



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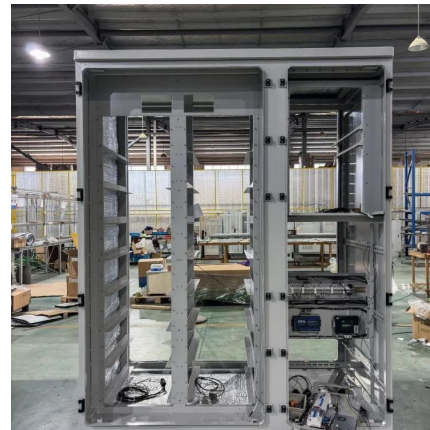


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2.1 Fundamental principle. CAES is an energy storage technology based on gas turbine technology, which uses electricity to compress air and stores the high-pressure air in storage ...



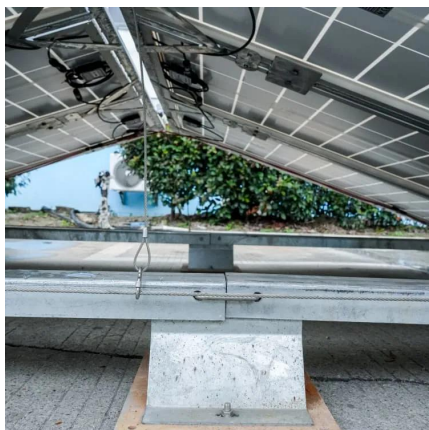
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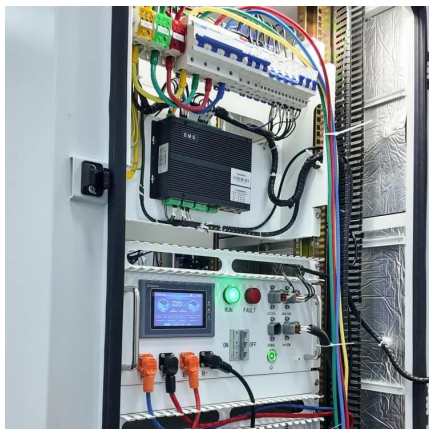
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