

Photovoltaic container hybrid type for drilling sites





Overview

Which offshore platforms use hybrid power systems?

Operates 13 offshore platforms that use hybrid power systems. Of these, eight monopile platforms, including Caravel, Cutter, L09- L13-FI-1 and Shamrock, use a solar-wind hybrid system. Such systems do not produce any direct greenhouse gas emissions in normal operation.

How can energy storage help offshore rigs with hybrid power plants?

In the case of offshore rigs with hybrid power plants that use energy storage, excess power produced from diesel generators or gas turbines could potentially be stored and used to support and improve operation of the primary energy source.

Which offshore wellhead platforms use hybrid power systems?

Oil and gas operators to power their offshore wellhead platforms. For example, in the North Sea, Shell operates 13 offshore platforms that use hybrid power systems. Of these, eight monopile platforms, including Caravel, Cutter, L09- L13-FI-1 and Shamrock, use a solar-wind hybrid system. Such systems do not produce any direct greenhouse gas emissions in normal operation.

What is a hybrid drilling solution?

Low operating costs are crucial for land drilling companies. Hybrid drilling solutions utilize battery energy storage systems (BESS) to efficiently manage power generation asset utilization. The result is significantly lower operating costs. Download the following use case and learn how you can:



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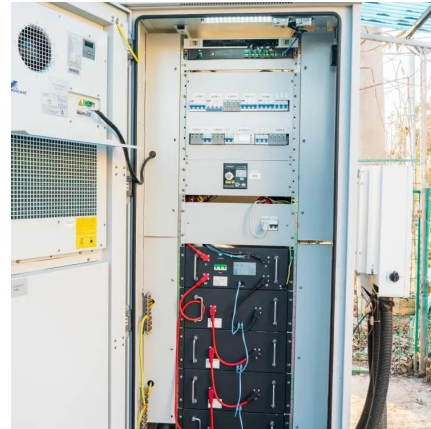
[\(PDF\) Hybrid Solar-Powered Drilling Systems: Reducing ...](#)

Jul 29, 2025 · Solar panels, particularly PV arrays, can be installed on drilling platforms to supply auxiliary power, while hybrid systems with battery storage ensure continuous energy availability.



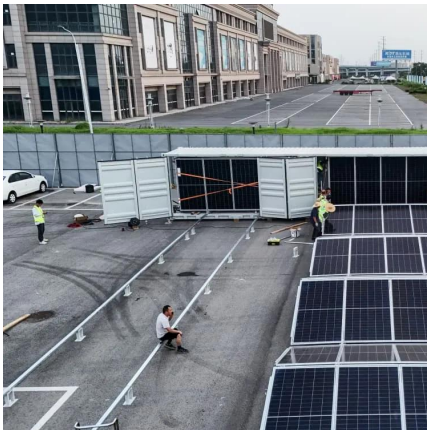
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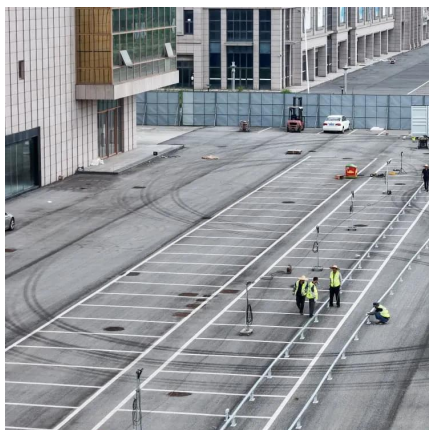


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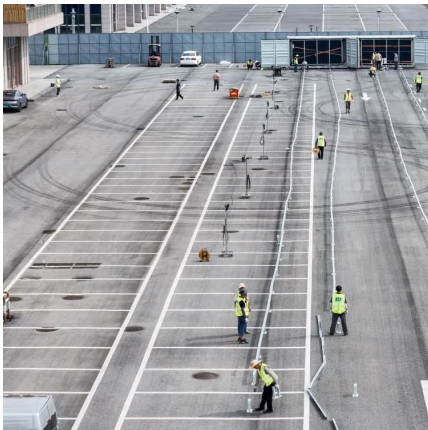
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[Overview on hybrid solar photovoltaic-electrical energy storage](#)

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[Solar Power Container for Mining Industry, Oil and Gas ...](#)

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