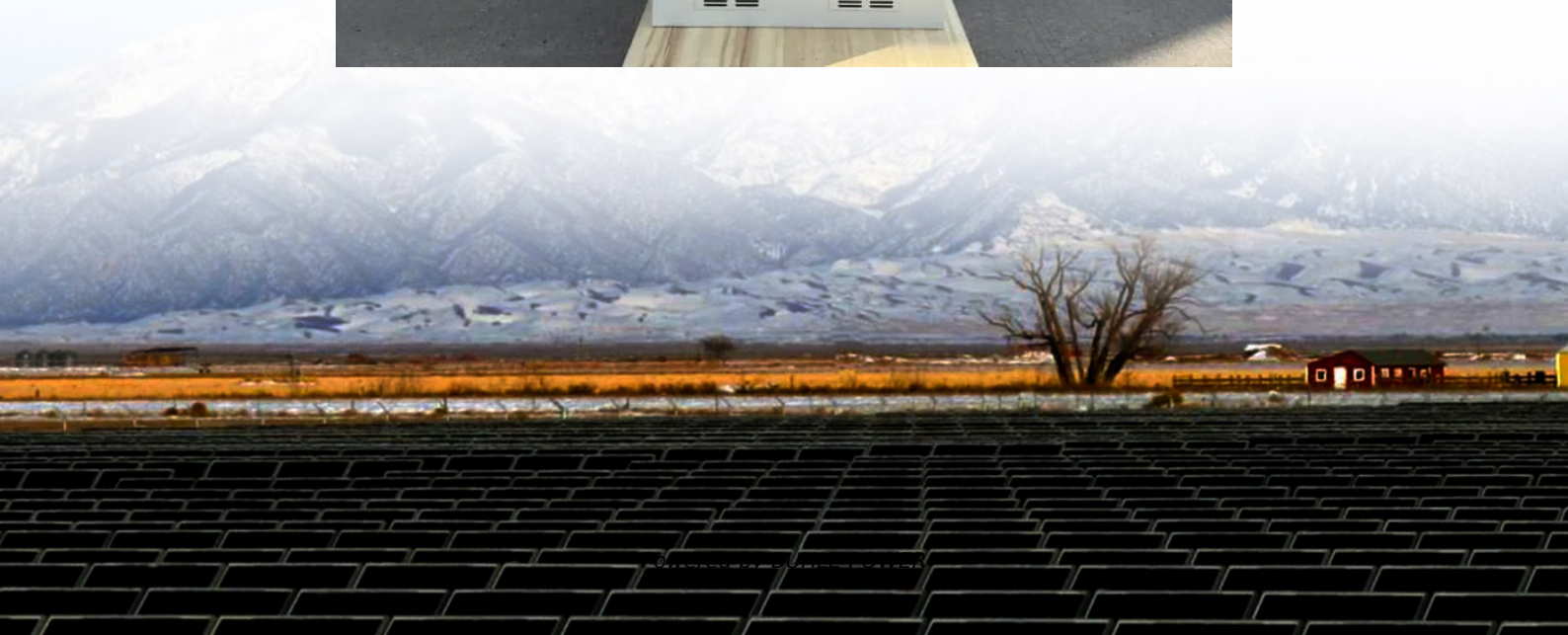


Solar-Powered Container Hybrid for Oil Platforms





Overview

Why are oil and gas companies adopting offshore solar and hybrid power systems?

Oil and gas companies are adopting offshore solar and hybrid power systems, overcoming challenges with new technological advancements. As the global push for renewable energy intensifies, oil and gas companies are increasingly exploring solutions to transition from fossil fuels to more sustainable energy sources for supporting their operations.

What are hybrid energy solutions for sustainable offshore oil and gas operations?

Hilmi, E., Yandri, E., Uhanto, U., Saiful, R., & Hamja, N. (2024). Hybrid Energy Solutions for Sustainable Offshore Oil and Gas Operations: Leveraging Thermoelectric, Solar, and Wind Potential.

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.

Can wind-solar energy be used on offshore oil and gas platforms?

This research assesses the environmental feasibility of using wind-solar energy for offshore oil and gas platforms in the Caspian Sea. The amount of this renewable energy available in three basins of the Caspian Sea has been estimated.



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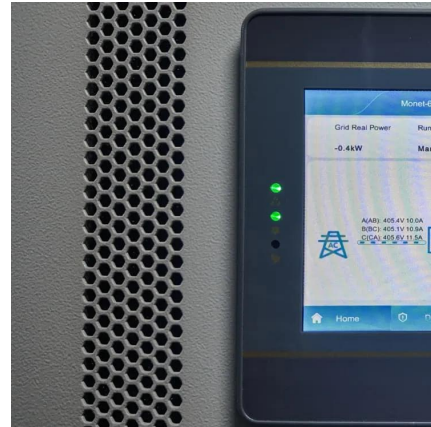


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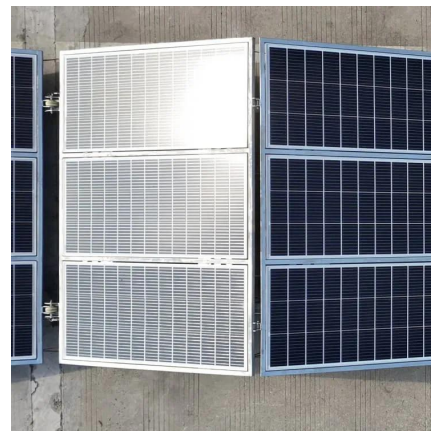
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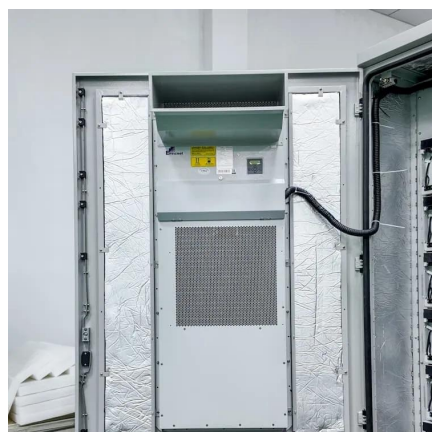
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