

EQACC SOLAR

Low-pressure solar-powered containerized oil platform



Overview

In a landmark achievement for sustainable energy, JCE Energy and Aquaterra Energy have unveiled the first fully solar-powered offshore platform off the coast of Angola, setting a new standard in eco-friendly marine operations by drastically reducing carbon emissions and eliminating the need for traditional fuel sources. 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 is Shell's first fully solar energy-powered platform offshore Malaysia?

Gorek, which achieved first gas in May 2020, is Shell's first fully solar energy-powered platform offshore Malaysia. Source: Shell. Powered by wind and solar systems, Shell's new Timi wellhead platform has produced first gas offshore Malaysia, the company said in a recent announcement.

How can offshore solar power help oil and gas companies?

Offshore solar power systems can help oil and gas companies meet stringent greenhouse gas reduction targets and comply with international climate agreements and national regulations aimed at reducing emissions from the sector.

Which offshore wellhead platforms use hybrid power systems?

Oil and gas operators use hybrid power systems 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.

Low-pressure solar-powered containerized oil platform



The Benefits of Offshore Solar and Hybrid Power Systems for Oil ...

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 ...

This Massive Marine Platform Just Achieved a ...

The solar-powered platform is a testament to the engineering prowess of JCE Energy and Aquaterra Energy. Developed with over 100 ...



Firewater systems (fire fighting) , Sulzer



Sulzer delivers fire-fighting solutions with both dry-mounted diesel-hydraulic lift pumps which take suction from the hull sea chests, and caisson ...

Containerized ro systems mobile desalination plants

Discover containerized RO systems - compact, pre - assembled water treatment powerhouses. Ideal for industrial, municipal, and emergency use.



40 Feet Containerized Solar Powered Cold Room According ...

Focusun Containerized Solar Powered Cold Room is equipped with the smart APP, saving time and convenient! Just need to move your finger, operate at any time, any place, and check ...

First of its kind solar-powered jacket platform for offshore ...

Discover how Aquaterra Energy delivered Angola's first fully solar-powered offshore platform - a groundbreaking, unmanned structure designed for efficiency, ...



UNMANNED WELLHEAD PLATFORM powered by a ...

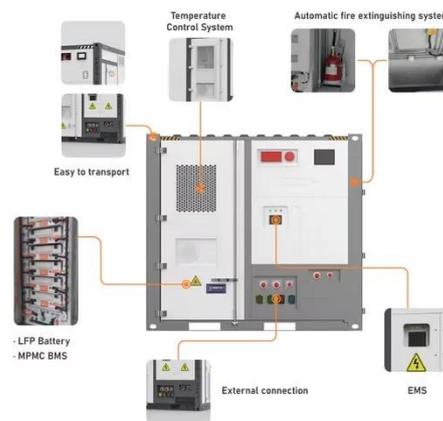
A renewable energy arrangement powered by solar and/or wind energy in combination with batteries and standby diesel engines is fast becoming the

system of choice ...



Renewable energy systems in offshore platforms for ...

Offshore mooring and power platforms reduce emissions from maritime activities. This study presents a novel Offshore Mooring and Power Platform (OMPP) that integrates ...



Lithium battery parameters

Product capacity: 100Ah

Product size: 135*197*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



A Hybrid Wind and Solar Energy Supply System for Offshore Platform ...

Abstract. For offshore unmanned platforms, reliable and continuous power is critical in the remote wellhead platform operation of the oil and gas company. Thermoelectric ...

The Benefits of Offshore Solar and Hybrid ...

As the global push for renewable energy intensifies, oil and gas companies are increasingly exploring solutions to

transition from fossil fuels to more ...



Offshore Oil and Gas platforms: Electrification ...

Offshore oil and gas sites are located in isolated and locations with harsh weather conditions. In order to meet the power needs of an oil ...

Techno-Economic Feasibility of the Use of ...

This paper investigates the techno-commercial feasibility of installing a battery-integrated floating solar photovoltaic (FPV) system for ...



First Gas Flows at Shell's New Wind

Powered by wind and solar systems, Shell's new Timi wellhead platform has produced first gas offshore Malaysia, the company said in a recent announcement. The ...



Seawater Desalination System Solar-Powered ...

The STARK Solar-Powered Seawater Desalination System is a fully containerized RO solution engineered to operate independently of ...



Shell's new solar-powered platform with 20-year design life ...

Sarawak Shell, a subsidiary of the UK-headquartered energy giant Shell, is setting all the puzzle pieces together to kick off production from a natural gas development off the ...

Techno-Economic Feasibility of the Use of Floating Solar PV ...

This paper investigates the techno-commercial feasibility of installing a battery-integrated floating solar photovoltaic (FPV) system for an offshore

oil platform facility in Abu ...



Single Phase Hybrid

5 Year Warranty Period

Global Leading Inverter Brand

Top 3 World Single Phase PV Inverter Supplier



PCIC Europe Authors Kit

These include production platforms for gas wells, and oil wells serving reservoirs with high pressure as their pressure functions as a natural gas lift to extract oil from the ...

Smart control of standalone solar-powered oil press: ...

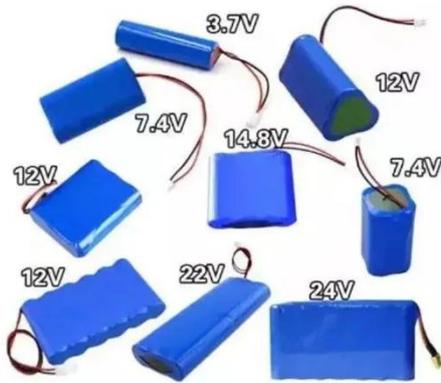
In resources constrained rural areas, solar-powered oil extraction can be enhanced through recent advances in artificial intelligence for energy optimization. This study introduces SolPrint, ...



AtlasCopco_PowerTechnique_brochure_2025

Capital Equipment Hydraulic handheld tools
 Pneumatic handheld tools
 Motorized breakers Mobile compressors

Electric mobile compressors, Specialized mobile compressors ...



This Massive Marine Platform Just Achieved a 90% CO2 Cut ...

The solar-powered platform is a testament to the engineering prowess of JCE Energy and Aquaterra Energy. Developed with over 100 offshore-grade solar panels, the ...



Application scenarios of energy storage battery products



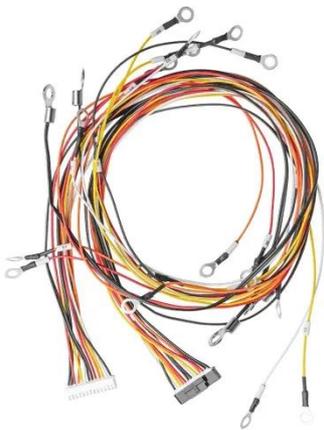
Containerized Solar Powered SWRO Salt Sea Water ...

Key attributes video outgoing-inspection Provided Processing Type Reverse Osmosis, desalination, filtration Voltage 380V Power 1kW productivity customized capacity machinery ...

Conceptual design of an offshore hydrogen platform

However, the wealth of knowledge from oil and gas platforms contributes valuable insights to hydrogen platform design. Diverging from the conventional

decentralised hydrogen ...

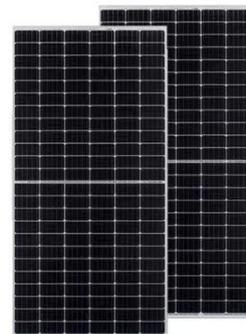


First of its kind solar-powered jacket platform ...

Discover how Aquaterra Energy delivered Angola's first fully solar-powered offshore platform - a groundbreaking, unmanned structure ...

Solar powered water desalination system ...

3 Units Solar Containerized 20m3PD containerized reverse osmosis for drink
This a tender project for Inhambane Province, ...



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