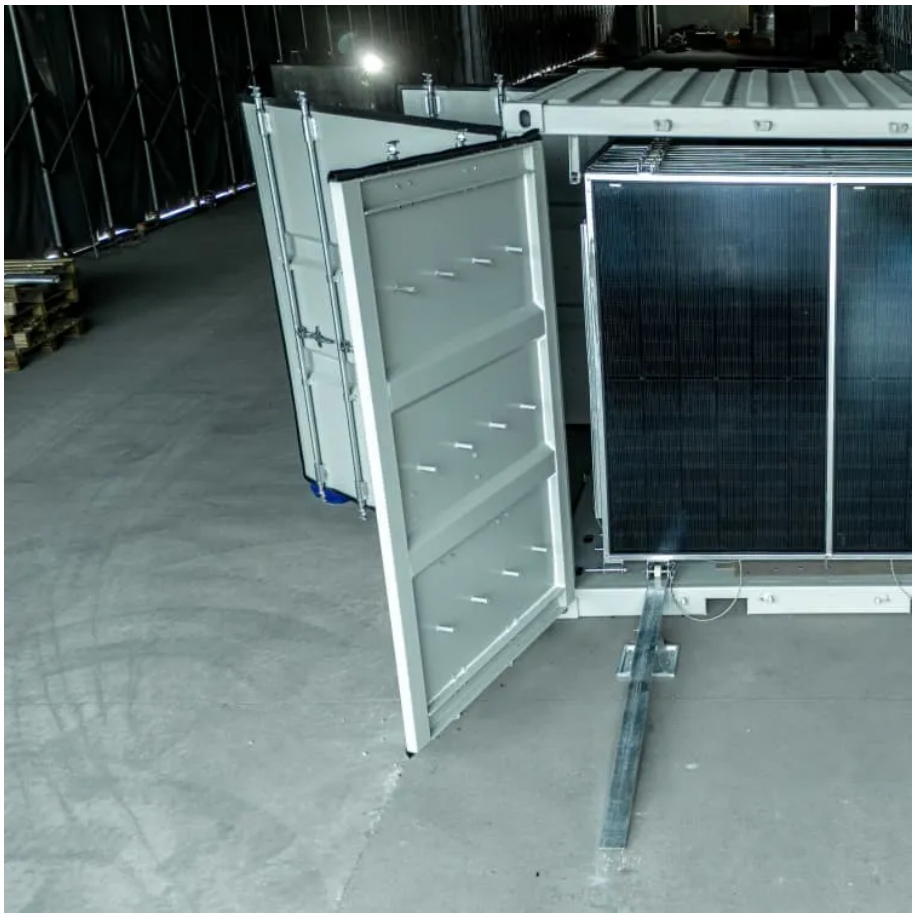
# Oil platform uses West Asian solar-powered containers for bidirectional charging



## Overview

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.

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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 coast of Malaysia. The latest milestone in this project comes with the jacket and topside sail-away events for an offshore.

The platform is Shell's first in the region to be fully supplied by both wind and solar power generation. 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.

Over the last 20 years, many offshore oil and gas operators have switched to solar-based power generation solutions to minimize maintenance and maximize power availability in the confined space available on these units. As a company with many years of experience in providing highly reliable.

One promising avenue is the integration of offshore solar power systems and hybrid power systems on production platforms. Despite the challenges, such as higher installation and maintenance costs due to harsh marine conditions, advancements in technology and marine-friendly designs are making.

Solar-powered offshore containers represent an innovative approach to sustainable and environmentally friendly operations in the offshore industry. These containers, equipped with solar panels, contribute to Environmental, Social, and Governance (ESG) goals by reducing carbon emissions, promoting.

Rig-less well intervention operations, typically including well-works, stimulation and testing (S&T), in bp Block 61 in Oman, normally requires the utilization of diesel-operated engines, such as generators and pumps. This is due to the fact that the nature of these activities call for constant. 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.

Are offshore charging stations a viable solution?

Offshore charging stations have emerged as an innovative solution, despite increased investment and extended voyage durations. Here we develop a route-specific model for the optimal placement and sizing of offshore charging stations to assess their economic, environmental and operational impacts.

How will a solar energy platform work in Sarawak?

After the unmanned platform becomes fully operational, it will harness renewable energy via solar panels to export about 800 million standard cubic feet of gas per day from the Rosmari and Marjoram fields. With a design life of 20 years, it will supply natural gas to the Bintulu Onshore Gas Plant, Sarawak.

Can BLDC drive be used for a solar-powered on-board charging system?

The designed system also presents a soft-starting of BLDC drive for propulsion mode of operation. This work proposes an efficient configuration for a solar-powered on-board charging system utilizing a coupled inductor high-gain converter with Grid-to-Vehicle (G2 V) and Vehicle-to-Grid (V2 G) operations.

# Oil platform uses West Asian solar-powered containers for bidirection

## The benefits of offshore solar and hybrid power systems for oil ...

We provided a bespoke modular renewable energy solution, including a Solar Power Package installed separately from the main oil platform construction. This solution ...

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Discover how bidirectional charging unlocks new energy solutions, from V2G to V2H, enhancing grid stability, cutting costs, and ...

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## Hybrid and Mobile Solar Power for Well Interventions

To reduce the dependency on diesel generators in the minicamp, the containerized hybrid power system was introduced. On a single trailer, two containers housed both the solar ...

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## First Gas Flows at Shell's New Wind

The integration of both wind and solar energy in the Timi platform offers several benefits, according to Shell. It not only shrinks the battery size but also ensures consistent ...

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[The benefits of offshore solar and hybrid power ...]

We provided a bespoke modular renewable energy solution, including a Solar Power Package installed separately from the main oil ...

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## PCIC Europe Authors Kit

Abstract - This paper presents a case study for a recent Company approved offshore oil and gas development project aims to install 19 platforms with off-grid photovoltaic (PV) and battery ...

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## Shell's new solar-powered platform

## with 20-year design life on its ...

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 ...

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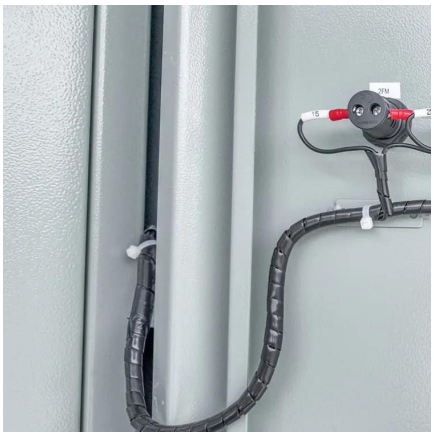
## Solar powered on-board charging



## 2021-Jul-Case-Study-ORGA-Wellhead

Offshore unmanned wellhead platforms grace the waters of Southeast Asia. These unmanned automated oil and gas assets are designed for remote operation controlled by onshore teams.

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Offshore charging stations have emerged as an innovative solution, despite increased investment and extended voyage durations. Here we develop a route-specific model ...

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## system utilizing coupled ...

Design and development of a bidirectional high gain converter (BHGC) that can operate efficiently in both Grid-to-Vehicle (G2 V) and Vehicle-to-Grid (V2 G) modes, utilizing ...

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