



# Collaboration on off-grid solar containerization for oil platform 60kWh

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Why should oil and gas companies integrate solar and hybrid power systems?

Reduced Emissions and Environmental Impact Integrating offshore solar and hybrid power systems into oil and gas operations allows companies to diversify their energy portfolio. This transition helps lower the carbon footprint and greenhouse gas emissions, contributing to a cleaner environment.

Why should oil and gas companies integrate offshore solar power systems?

By integrating offshore solar power systems, oil and gas companies can reduce their emissions and the need to purchase additional allowances, thereby cutting compliance costs. This strategy also aids in complying with schemes like the UK Emissions Trading Scheme.

Can a battery-integrated solar PV system support an offshore environment?

Although the LCOEs of the designed battery-integrated system were found to be higher than a typical on-grid solar PV system commonly installed over lakes or dams to support a national energy portfolio, an offshore environment essentially requires an energy storage solution.

What are the advantages of offshore solar and hybrid power systems?

One of the most compelling advantages of offshore solar and hybrid power systems is the potential for substantial cost savings. At JCE, we've observed that electrification through offshore solar and hybrid power systems not only cuts down on fuel costs but also simplifies logistics by removing the need for on-site fuel storage.

Learn how off-grid solar power solutions are transforming oil and gas operations, reducing costs, and improving environmental impact.

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 ...

We are pleased to announce the successful deployment of a SolarContainer in Oman, where it is now supplying clean and autonomous energy for a mobile Oil & Gas site.

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