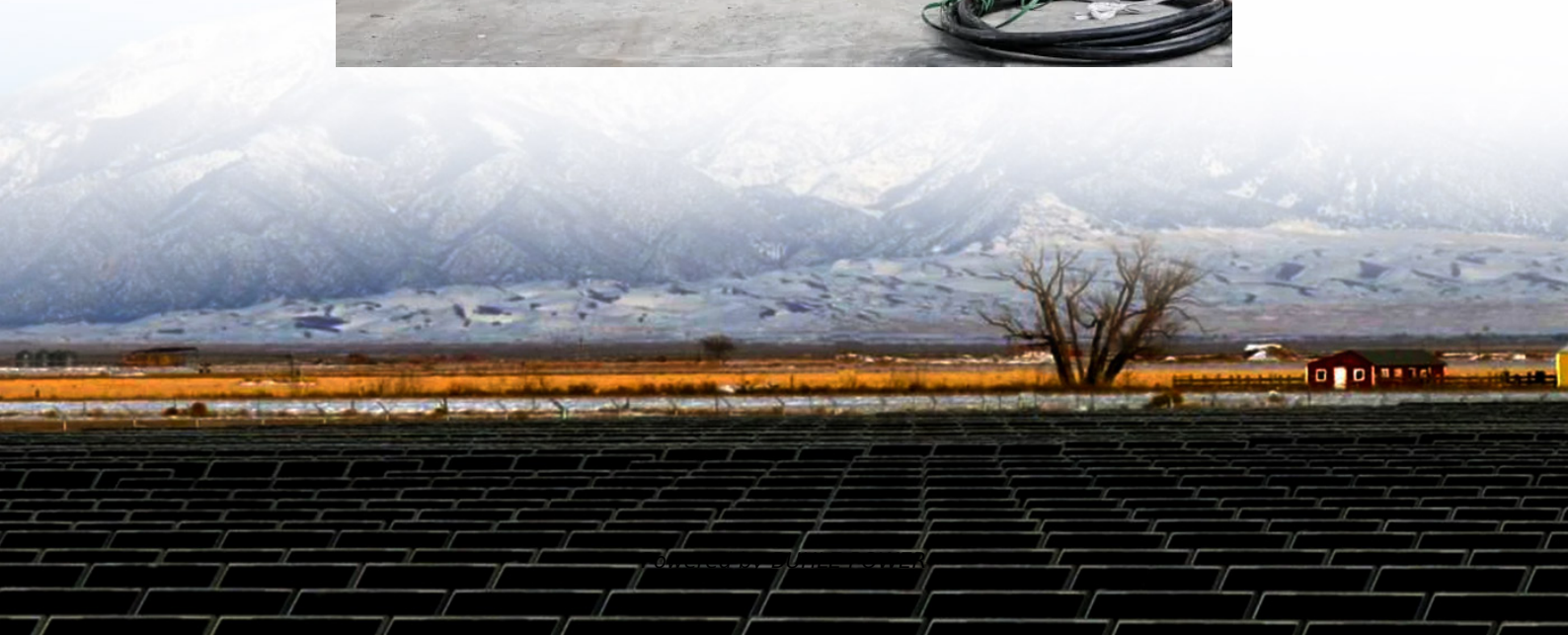


80kWh Dili Solar Containerized Power Supply for Oil Platforms





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.

How much power does an offshore oil & gas platform use?

The power consumption of offshore platforms ranges from 6–50 MW. To supply electricity from renewable energy sources, the first step is to evaluate the energy of natural resources like wind and solar around these fields.

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.

What is the cost of energy for offshore oil & gas platforms?

The obtained levelized cost of energy is in the range 131–263 €/MWh and the reduction in emissions was estimated at circa 281,915 ton/year at each site, which demonstrates the feasibility and interest of providing electricity from these combined systems to offshore oil and gas platforms.



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