



FTMRS SOLAR

Ultra-high efficiency energy storage containers used at drilling sites in the Port of Spain





Overview

Can electric energy storage systems be used for drilling rigs?

The work to develop electric energy storage systems for drilling rigs has been underway worldwide for the last 5 years, however, mainly targeting isolated offshore rigs.

Which rigs have energy storage systems for onshore drilling?

The energy storage system developed for onshore drilling is among the world's first ones. As a foreign analog, only the project of the German rig manufacturer Bentec implemented in Oman can be highlighted. In 2017, the container-type 0.9 MW Bentec ESS with a storage capacity of 0.3 MW was put into trial operation on the KCA Deuteg T-94 rig.

Can energy storage systems improve energy efficiency of DPS-powered rigs?

Based on average daily power consumption statistics and load diagrams for various rig operating modes at more than fifty pads equipped with DPS, it was proposed to improve the energy efficiency of individual DPS-powered rigs by introducing energy storage systems (Fig. 1).



Ultra-high efficiency energy storage containers used at drilling sites

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(PDF) Energy storage systems for drilling rigs

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Energy storage systems for drilling rigs , Journal of ...

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