

# Hybrid Energy Storage Containers for French Drilling Sites





## Overview

---

What is a hybrid drilling solution?

Low operating costs are crucial for land drilling companies. Hybrid drilling solutions utilize battery energy storage systems (BESS) to efficiently manage power generation asset utilization. The result is significantly lower operating costs. Download the following use case and learn how you can:.

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 electric energy storage be used for drilling based on electric-chemical generators?

The article outlines development of an electric energy storage system for drilling based on electric-chemical generators. Description and generalization are given for the main objectives for this system when used on drilling rigs isolated within a single pad, whether these are fed from diesel gensets, gas piston power plants, or 6–10 kV HV lines.

Can a hybrid energy accumulation system be integrated into a rig power circuit?

The efficiency of using a hybrid energy accumulation design is proven; the design calls for joint use of Li-ion cells and supercapacitors, as well as three-level inverters, to control the storage system. The article reviews all possible options for connecting the system into a unified rig power circuit, and the optimum solution is substantiated.



## Hybrid Energy Storage Containers for French Drilling Sites

---



### Caterpillar Oil & Gas launches battery storage system to ...

Feb 18, 2024 · Caterpillar Oil & Gas announced the launch of the Cat Hybrid Energy Storage Solution to help drillers and operators cut fuel consumption, lower total cost of ownership ...

### Energy Storage

Designed to optimize power generation, energy storage solutions such as the Hybrid Energy Management (hEMS) Systems are purpose-built to ...



### [Caterpillar Oil & Gas launches battery storage ...](#)

Feb 18, 2024 · Caterpillar Oil & Gas announced the launch of the Cat Hybrid Energy Storage Solution to help drillers and operators cut fuel ...

### [\(PDF\) Energy storage systems for drilling rigs](#)

Dec 29, 2021 · The findings of this study can help to better understand which type of storage system is the most efficient for energy systems with temporary high load peaks, like drilling rigs.



## Energy Storage

Designed to optimize power generation, energy storage solutions such as the Hybrid Energy Management (hEMS) Systems are purpose-built to improve energy efficiency and reduce ...



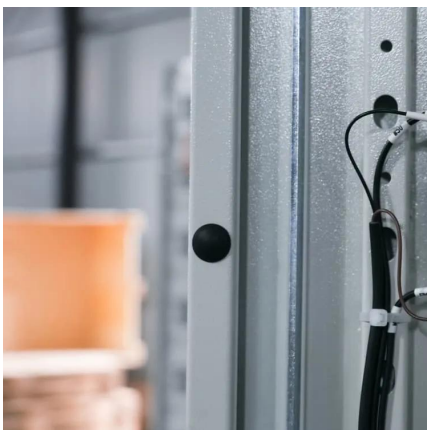
## [BlueVault\(TM\) energy storage solutions](#)

9 hours ago · BlueVault(TM) energy storage solutions are an advanced lithium-ion battery-based solution, suited for both all-electric and hybrid energy-storage applications. BlueVault(TM) is ...



## [Battery Energy Storage System \(BESS\) Redefining ...](#)

Jul 16, 2025 · THE SOLUTION To tackle the challenges of fuel inefficiency and increased diesel consumption in drilling operations, we implemented a hybrid solution that integrates generator ...





## Hybrid Container Systems Combining Storage and Renewable Energy

Hybrid container systems are modular units that combine energy storage technologies, such as batteries, with renewable energy sources like solar or wind power. Designed for flexibility, they ...



## [Hybrid E-Drilling Solutions](#)

Minimizing energy costs is essential to operating a profitable drilling operation. mtu EnergyPacks offer a scalable hybrid E-drilling solution that allows you to optimize load profiles and add ...

## [Q ENERGY starts constructing one of the](#)

...

Sep 28, 2023 · The 44 MWh energy storage project will be installed on the Emile Huchet power plant site in the northeast of France. Once ...



## [\(PDF\) Energy storage systems for drilling rigs](#)

Dec 29, 2021 · The findings of this study can help to better understand which type of storage system is the most efficient for energy systems with ...



## Q ENERGY starts constructing one of the biggest battery energy storage

Sep 28, 2023 · The 44 MWh energy storage project will be installed on the Emile Huchet power plant site in the northeast of France. Once commissioned, it will be one of the largest facilities ...



## [Battery power System BPS , Green Solutions , Drillmec](#)

The implementation of the Battery Energy Storage System represents a transformative step in the drilling industry, offering a Hybrid Power Solution that brings about remarkable benefits for ...

## [Energy storage systems for drilling rigs , Journal of ...](#)

Dec 29, 2021 · Energy storage systems are an important component of the energy transition, which is currently planned and launched in most of the developed and developing countries. ...



## Contact Us

For technical specifications, project proposals, or partnership inquiries, please visit:  
<https://www.eiei.pl>



## Scan QR Code for More Information



<https://www.eiei.pl>