

BATTERY ENERGY STORAGE SYSTEM

HYBRID DRILLING FOR LOWER RIG OPERATING COSTS AND A REDUCED CARBON FOOTPRINT



PRODUCT Description

Drilling contractors are forced to deal with low oil prices, low rig day rates and increasing governmental regulations pushing towards a lower carbon footprint.

The cutting edge Bentec **B**attery Energy **S**torage **S**ystem (BESS) enables drilling rigs to run either with fewer engines or with lower engine loads. This Hybrid Power Solution leads to significant engine runtime reductions and diesel savings which makes drilling rigs even more competitive and environmental friendly. Using the BESS technology has a direct positive impact to operating costs and safeguards the rig for increasing environmental regulation in future markets.

DO YOU WANT TO SAVE RIG OPERATING COSTS AND REDUCE YOUR CARBON FOOTPRINT?

WE ENABLE YOU!



UNIQUE FEATURES

- · Different cell technologies allow a perfect adaption to customers needs
- · Designed for harshest on- and offshore environment
- · Easy handling on rig moves due to containerized design
- Black start capable
- · Remote access allows 24/7 support by Bentec service engineers
- · Designed, developed and fabricated by Bentec

VALUE-ADDED BENEFITS

- **\$** Up to 10% less diesel consumption
- \$ Up to 45% less generator set runtime extends service intervals
- **\$** Reduced spare parts demand
- Up to 10% less CO₂ emissions
- Reduced NOx emissions
- Lower rig noise emissions

PEAK SHAVING

Peak loads during tripping or drilling are supplied by battery power. Breaking energy charges the BESS instead of getting wasted by resistors



Provides 100% rig power in stand-by mode





REDUCTION OF >8400t CO₂ IN BESS' 20 YEARS LIFETIME EQUIVALENT TO:

> 1,000,000,000

Smartphones charging cycles

02/2021

> 9,000,000

Pounds of coal burned

> 20,000,000



Miles driven by an average passenger car