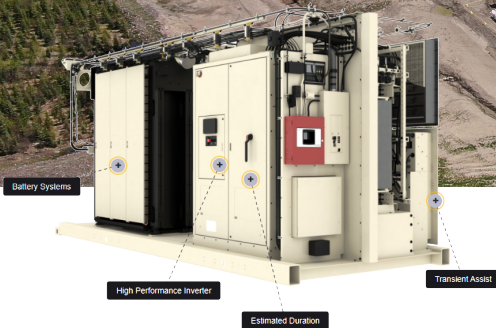


TOURMALINE, PRECISION DRILLING, CATERPILLAR AND FINNING: SUPPORTING A LOW-CARBON FUTURE



INTRODUCING A NEW WAY TO POWER DRILLING RIGS.

PROJECT SCOPE

Historically, drilling rigs have been powered by diesel, resulting in wasted fuel and high GHG emissions.

In collaboration with our partners, Tourmaline, Precision Drilling and Caterpillar®, we asked, “How can we do better?”

The Hybrid Energy Storage Solution by Caterpillar is a 100% natural gas power generation system that stores extra power in a battery instead of wasting it. It can be intergrated with an existing dual-fuel system and can be switched back to diesel supply if gas supply is interrupted.

THE OUTCOME

The system was tested on two rigs for about one year. The results? Diesel consumption was decreased by an average of 3,750 L/day and we achieved emission reductions of nearly 40%.

AN AVERAGE OF
3,750
L/DAY
DECREASE IN DIESEL
CONSUMPTION

NEARLY
30%
REDUCTION OF
ENGINE RUN HOURS

NEARLY
40%
EMISSION REDUCTIONS
IN ABOUT ONE YEAR

THE SYSTEM MATCHES
THE POWER DEMAND
OF THE RIG WITHOUT
WASTING POWER
USING SMART EMS
AND ESS TECHNOLOGY.

For more information on how we can help you support a low-carbon future, talk to your local Finning Sales Rep, head to one of our branches, or visit finning.com.

FINNING **CAT**