

Enerflex in action

Chad, Africa

9 gensets for continuous duty and remote oil and gas processing

Nine covered modular gensets provide clean, reliable, and continuous duty in remote desert region with high ambient temperatures and heavily contaminated air.

Enerflex supplied nine containerized gensets for use in harsh desert conditions, with extreme day-to-night temperature changes. Five PWC1000S-HA Waukesha VHP 1,000 RPM and four PWC1200S-HA Waukesha VHP 1,200 RPM engines are fueled by field gas from onsite oil and gas operations. Systems were optimized to deal with sand in the air by using Leroy-Somer generators, Sutton Stromart radiators, and Woodward Easygen controls. The nine engines generate between 1,000 kW and 1,100 kW each, for a total of 9.4 MW — and produce between 480V and 4,160V of power.



Outcome

Enerflex designed a robust, 9-unit modular solution that generates 9.4 MW of power. The units were installed in three phases at three different sites. Providing exceptional performance on Phase one, Enerflex was the client's preferred choice for the second and third phases.

Reliable and continuous duty power generation is essential in this remote desert region with high ambient temperatures and heavily contaminated air. Proving to be a single source provider, the Enerflex team in the Middle East also supports all after-market service requirements with local on-the-ground expert technicians.