Enerflex in action

Williston, North Dakota, USA

Flare mitigation through power generation and bitcoin mining

Expertise in gas to power generation secured this 1,200 kW genset solution where others failed.

Our client has nine separate wells feeding a common flare stack and was looking for mitigation options. After trying several engines that failed, the customer approached Enerflex and we installed a PWC1200S from our existing rental fleet. Producing 1,200 kW and operating at 1,200 RPM, the Waukesha genset produces power at 480 V from gas that was previously being wasted. The electricity is utilized for mobile bitcoin mining and data center operations installed at site. Built for durability, the unit has proven it's ability to cope with North Dakota's extreme weather swings from hot summers to cold winters.

Outcome

Enerflex took the time to develop the right solution, providing proof of concept — and conducted a thorough HAZOP study to ensure all customer specifications were met and concerns were mitigated. When two previous genset suppliers had been unsuccessful working with the variable quality site gas, Enerflex was chosen for this project based on their experience and know-how in power generation solutions, and commitment to quality. The installation was commissioned by our Houston controls team, with service from the local Williston branch.

Enerflex

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