

The background of the entire page is a photograph of an oil pumpjack (also known as a nodding donkey) silhouetted against a bright orange and yellow sunset sky. The pumpjack is a large mechanical device used for extracting oil from a well. It has a long horizontal beam that pivots on a central point, with a long vertical rod extending down into the well. The sky is a mix of orange, yellow, and blue, indicating the time is either sunrise or sunset. The pumpjack is the central focus of the image, with its long beam extending from the bottom left towards the top right.

aggreko

Powering pumps at half the cost

CLIENT

Large exploration and
production (E&P) company

LOCATION

Permian Basin, USA

SECTOR

Oil and gas

KEY FACTS

50 %

Amount of time
pumps were operating

1

Special automated control system

\$13,000

Saved in six months

THE CHALLENGE

Part-time power in a remote location

In remote oil fields, pumps often run intermittently, while the generators that power them are always on. This not only means higher running costs and emissions, but the generators have a tendency to overheat and need more attention.

A large company in the Permian Basin came to us with this exact problem. They had five wells, each with its own 40-horsepower pump, and needed a way to save costs by switching power off when the pumps were idle.

THE SOLUTION

Generators and pumps that talk to each other

High H₂S levels in the local supply ruled out using gas generators (due to levels of sulphur in the emissions). So we supplied a Tier4i capable 60 kW diesel generator, complete with a special automatic control

system, linking the on/off switch to the pumps' programmable logic controls (PSC).

So whenever the pumps started, the generator would too, and when they stopped, the generator would shut off automatically.

OUR DIFFERENCE

Tell us what you need and we'll take care of it – from start to finish.

THE IMPACT

Costs and emissions cut by 50% in six months

The new system made a big difference. As the pumps were on around 50% of the time, fuel costs went down by half, saving our customer \$13,000 in six months. Emissions were also down 50%, and with no more breakdowns, the generators needed servicing half as often.

