

## An Oil and Gas Company and its Service Partner Needed a Reliable Power Solution

In the competitive oil and gas industry, production delays can cost millions of dollars. One company, along with its service partner, faced significant challenges as they depended on utility power for drilling, fracking, and production activities. However, utility constraints often led to operational bottlenecks, threatening their productivity and profitability.

To address this, VoltaGrid stepped in with a robust microgrid solution, ensuring continuous and reliable power. This not only minimized downtime but also allowed the company to seamlessly move operations from site to site, leveraging VoltaGrid's extensive infrastructure. This partnership exemplifies how strategic energy solutions can drive operational efficiency and profitability in the oil and gas sector.

## THE CHALLENGE



To maintain continuous operations, the project faced a critical energy shortage as the local utility power proved unable to meet the high demand.

This deficit was further compounded by the region's existing windmill infrastructure, which lacked the necessary capacity to bridge the gap. Consequently, it became essential to implement a strategy for the quick deployment of substantial power across multiple sites.

# THE SOLUTION

**Built** a microgrid capable of delivering over 70 MW, ensuring stable power for the oil and gas operations.

**Deployed** rapid power solution for drilling, fracking, and production needs.

**Extended** 15 miles of power lines from the microgrid to multiple operational sites.

**Established** three CNG stations to supply compressed natural gas, facilitating broader distribution to remote sites.



# THE RESULTS

**Enhanced** production efficiency by providing reliable power without waiting on utility infrastructure.

**Enabled** the ability to power various operations, including e-fracking and ESPs.

**Distributed** CNG to remote sites, ensuring continuous operations.



# THE CONCLUSION

VoltaGrid's microgrid proved to be a critical solution for the oil and gas industry, providing reliable, on-demand power and enabling uninterrupted production across multiple sites. It showcases VoltaGrid's capability to meet complex energy needs effectively.



1-888-508-1851  
[info@voltagrid.com](mailto:info@voltagrid.com)  
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**Head Office**  
10800 Telge Road  
Houston, TX, 77095

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