

Operating a remote mining site presents unique challenges



Operating a remote mining site presents unique challenges, especially when there is no access to utility power or natural gas infrastructure.

This mining company required a reliable, clean power solution to ensure seamless operations despite these constraints. VoltaGrid stepped in to provide an innovative solution, delivering both power and compressed natural gas (CNG) to the site.

By installing a compressed natural gas hub near the mining site and integrating advanced emissions control technology, VoltaGrid ensured a sustainable, efficient, and environmentally friendly power supply.

THE CHALLENGE

The project faced significant logistical hurdles due to its remote location, which offered no access to traditional utility power and suffered from a complete lack of natural gas pipeline infrastructure.

These constraints created an urgent need for a clean, reliable power solution capable of supporting intensive mining operations without interruption.



THE SOLUTION

Compressed Natural Gas Hub

Installed a CNG hub near the site to transport and supply CNG efficiently.

10 MW Power Supply

Delivered a robust, redundant power solution capable of meeting the mine's operational needs.

Advanced Emissions Control:

Integrated catalysts to further reduce emissions, ensuring a cleaner operation. to supply compressed natural gas, facilitating broader distribution to remote sites.



THE RESULTS

Instant Operational Readiness

Enabled the mine to commence operations without waiting for utility infrastructure development.

Sustainable Power Source

Provided a reliable and environmentally friendly power supply, reducing the environmental footprint.

Long-Term Reliability

Ensured continuous power and fuel supply for the foreseeable future.



THE CONCLUSION

VoltaGrid's comprehensive power and CNG solution has not only enabled the mining company to overcome the hurdles of a remote location but also provided a sustainable and environmentally friendly power source.

This partnership ensures that the mine can operate efficiently without waiting for traditional utility infrastructure, contributing to its long-term growth and stability. Moreover, VoltaGrid's commitment to innovation and sustainability ensures that the mining operation can maintain high environmental standards, fostering a cleaner and more sustainable future.

As a result, this project sets a benchmark for how remote industrial operations can achieve energy independence and operational excellence through innovative energy solutions.



1-888-508-1851
info@voltagrid.com



Head Office
10800 Telge Road
Houston, TX, 77095

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