

ABB microgrid solution with large battery energy storage powers remote mining operations

Securing power supply for off grid mining operation and lowering environmental impact



Remote area

Remote mining operations situated **+1,300 km kilometers (km)** north of Perth.



ABB Ability™ microgrid solution

30 megawatt (MW) PowerStore™ Battery and gas turbines provide power to the mining operations via a 220 kV transmission line. It is also equipped for remote service and maintenance.



Intelligent automation and control

ABB's Microgrid Plus automation and control technology

serves as the brain of the system to monitor gas turbines and facilitate utility-grade power quality and grid stability.



Reliable Power

The battery storage solution is capable of supplying up to 30 MW of power whilst a standby gas turbine starts and takes up load aiding in the prevention of supply interruptions to customers.

Increase in power system availability

In the event of loss of supply from one or all of the gas turbine generators, the battery storage solution is capable of operating in standalone to supply all power system services such as frequency control, voltage regulation, synthetic inertia, short circuit current and load control to the high voltage network.

