

Port Hedland, Australia



RESILIENT, QUICK, STABLE, AND LOW EMISSION PLANT FOR WESTERN AUSTRALIA

APR Energy's Port Hedland plant went online in late 2014, at a time of dire power need in the area. Horizon Power, a large-state owned utility that serves Western Australia, recognized the growing power demand in the region's industry hub. APR Energy immediately deployed four dual-fuel TM2500+ mobile gas turbine units for rapid installation. These fast-tracked stations provided a compact, low-emission solution for the project that only required one-third of the space that a reciprocating engine power station would require for the same power output. The spinning reserve of APR Energy's turbine solutions provided greater grid stability, which was essential to compensate for unscheduled changes in voltage, capacity and frequency. Overall, the utility supplied more than 10,000 businesses and large industrial customers and 100,000 residents with much desired coverage.



EXPANSIVE COVERAGE

The utility supplied businesses and residents within a 2.3 million sq. km. area with power - an area **10 times** the size of the UK.



COMBATING EXTREME WEATHER

The facility was designed with cyclonic tie-down provisions on concrete footings to withstand up to 300 kph winds.



GREEN OPERATIONS

Created a low-emission, environmentally friendly facility, per the North West Interconnected System (NWIS) requirements.

4 TM2500+
gas turbines



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APR Energy's turbine solutions are ideally suited for our needs as a utility, offering a combination of reliability and low emissions in a dense power package.

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Frank Tudor, Managing Director
Horizon Power

118° F

As part of extreme weather durability measures, the facility was designed to withstand the intense Australian heat - up to 48° C, or 118° F, in the summer