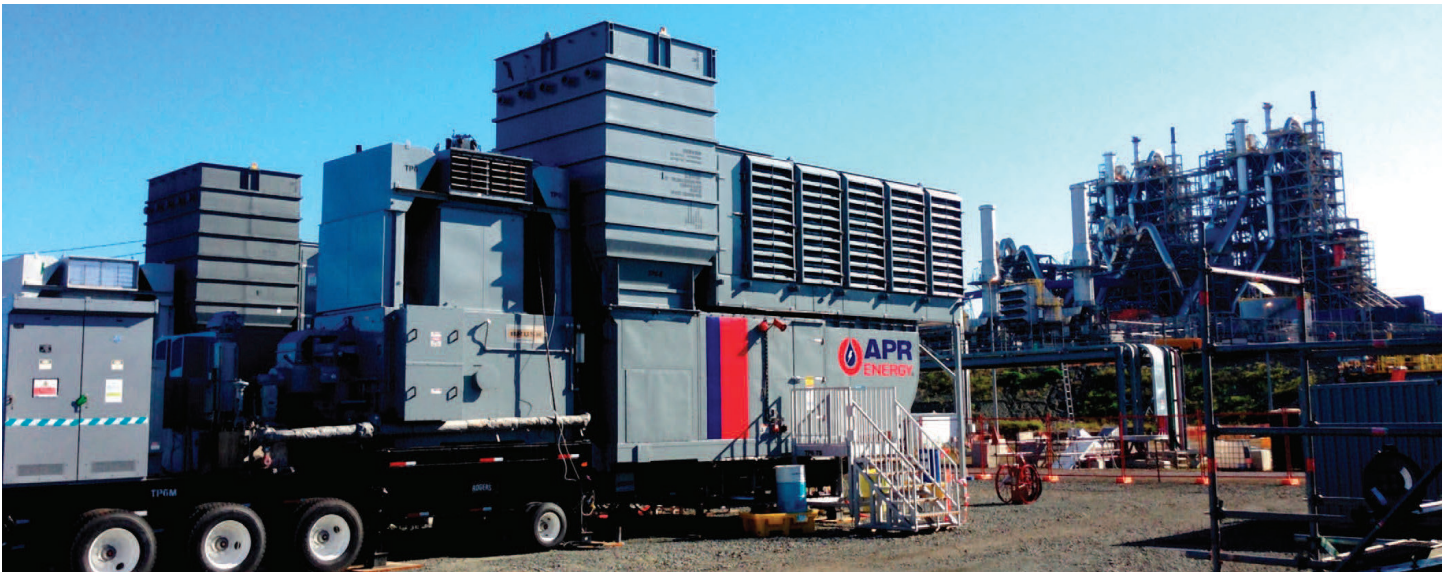


New Caledonia



Gas Turbines Provide Continuous Power for Historical Nickel Mine

The French territory of New Caledonia has a 150-year history as a mining center and is one of the world's leading producers of nickel. In late 2013, one of the South Pacific's largest mines suffered a breakdown of the combustion turbine generation system used for back-up power. The company issued a request for solutions ranging from 20MW to 80MW that could provide continuous power in island mode, meet European Union emissions requirements and be operational 30 days after on-site arrival of the plant equipment. By February 2014, APR Energy was contracted to supply 60MW of generating capacity using three aeroderivative mobile gas turbines. The fuel-flexible turbines allowed the customer to generate power using diesel fuel with the ability to seamlessly switch to natural gas. APR Energy's turbines fit within the challenging space constraints at the mine site and required just one-third of the land that would have been needed for a 60MW plant using reciprocating engines. APR Energy commissioned the plant, equipped with continuous emissions monitoring systems, within the required 30-day time-frame.



EFFICIENT DELIVERY

APR Energy swiftly provided 60MW of continuous power availability to New Caledonia just 30 days after equipment arrival.



ENVIRONMENTALLY COMPLIANT

The power-dense, clean-burning turbines met strict emissions and environmental requirements.

During its 18 months in operation, the plant demonstrated the versatility that mobile gas turbines offer customers, and the technology's suitability for energy-intensive industries.

60MW

Three TM2500
gas turbines

