



Powering Resilience Across Three Continents

At a glance

CLIENT:

AEMO (AUSTRALIA), PREPA
(PUERTO RICO), PEMEX (MEXICO)

TOTAL CAPACITY:

490 MW+ ACROSS THREE
COUNTRIES IN UNDER 90 DAYS

INDUSTRIES:

GOVERNMENT, UTILITIES, OIL &
GAS

Challenges

In the fall of 2017, a convergence of global energy crises created urgent demand for rapid-deployment power solutions across three continents. From extreme weather to natural disasters and grid instability, national utilities faced widespread outages, economic risk, and public safety concerns:

- Australia was experiencing dangerous brownout conditions due to overreliance on intermittent renewable energy sources
- Puerto Rico suffered a catastrophic collapse of its power infrastructure following Hurricanes Irma and Maria, both Category 5 storms
- Mexico required immediate restoration of power to a major oil and gas facility after a powerful earthquake disrupted grid operations

Each situation required critical power, fast, with no margin for error.

Background

Amid these challenges, the team now reunited at New APR Energy was called upon to mobilize its global fleet, logistics network, and operational expertise. Working simultaneously across five power plants in three countries, the team responded with unmatched precision and speed.

Key project scopes included:

- Australia: 315 MW across two sites to stabilize the national grid
- Puerto Rico: 105 MW across two sites to restore critical infrastructure for the U.S. Army Corp of Engineers and the Puerto Rico Electric Power Authority (PREPA).
- Mexico: 70 MW at a PEMEX facility to restart operations essential to the country's energy sector

Services Provided

- FAST-TRACK TURNKEY POWER,
- GRID STABILIZATION,
- EMERGENCY RECOVERY
- ENGINEERING, PROCUREMENT,
AND CONSTRUCTION (EPC)



APN Energy's solution with the turbines has made an important impact on the overall ability of the South Australian government's energy plan to be delivered in such a short period of time. We have the world's highest penetration of renewables on the national grid, and the back-up power provided by these turbines for emergency situations when the market is unable to respond provides an important security service for stability and reliability of the system.

Nick Smith

Director, Energy Programs and Services
Government of South Australia

Solution

APN Energy deployed turnkey mobile power solutions tailored to each region's needs. Leveraging proprietary logistics, in-house engineering, and decades of global deployment experience, the team delivered power plants under extremely compressed timelines.

- Australia: Installed 315 MW of dual-fuel turbines in just 90 days for the Australian Energy Market Operator (AEMO), improving grid reliability amid rising renewable penetration
- Puerto Rico: Began delivering 105 MW of emergency mobile gas turbines to two locations within 40 days of Hurricane Maria, restoring electricity to critical health and infrastructure facilities
- Mexico: Delivered 70 MW of generation capacity to a PEMEX site in just 20 days, reinstating vital oil and gas processing functions and protecting national energy output

Outcome

APN Energy's ability to scale globally and deliver more than 490 MW of grid and industrial power across three continents in less than 90 days stands as a landmark achievement in mobile energy deployment.

- Lives saved through the restoration of hospitals and emergency services in Puerto Rico
- National grid stability reinforced in Australia, providing backup to fluctuating renewables
- Economic continuity preserved in Mexico, preventing further disruption to oil production

These deployments demonstrated the strength of APN Energy's modular technology, global logistics, and seasoned operational teams. The success of fall 2017 solidified the company's reputation as the trusted partner for governments and industries facing high-stakes energy challenges, delivering results when time and reliability matter most.



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