



Rapid Power Deployment to Stabilize Mexico's Grid

At a glance

CLIENT:

PYE ELECTRIFICACIONES FOR
MEXICO NATIONAL UTILITY
(CFE – COMISIÓN FEDERAL DE
ELECTRICIDAD)

TOTAL CAPACITY:

150 MW

INDUSTRIES:

UTILITIES, ENERGY
INFRASTRUCTURE

Services Provided

- TURNKEY MOBILE POWER DEPLOYMENT
- ENGINEERING, PROCUREMENT, AND CONSTRUCTION (EPC)
- OPERATIONS & MAINTENANCE (O&M)
- GRID INTEGRATION
- LOCAL PARTNERSHIP EXECUTION WITH PYE ELECTRIFICACIONES

Challenges

In the summer of 2025, Baja California, Mexico faced surging electricity demand from record heat and escalating grid constraints. National utility operators required immediate, reliable generation to stabilize power for critical regions. Traditional infrastructure timelines were insufficient, creating a narrow window for implementation before peak load periods intensified.

Background

APR Energy, a global leader in fast-deploy power solutions, was engaged to provide temporary utility-scale generation during this period of urgent national need. With a proven track record of rapid deployment across complex environments, APR was selected for its capability and speed. Partnering with PYE Electrificaciones, a leading Mexican EPC firm, the team combined global expertise with local execution.

Solution

APR Energy deployed a turnkey solution featuring six mobile gas turbine units, delivering more than 150 MW of power. The full engineering, procurement, construction, commissioning, and operations process was completed in just 56 days. The site was fully integrated into the national grid with support from PYE Electrificaciones, ensuring seamless installation, permitting, and community coordination.

Outcome

APR Energy's solution provided immediate grid relief ahead of peak demand, helping to avert potential brownouts and safeguard energy supply for thousands of homes and businesses. The partnership with PYE Electrificaciones enabled efficient execution and amplified local economic impact. This project underscores APR's commitment to delivering high-impact energy solutions under compressed timelines and sets a benchmark for public-private collaboration in utility resilience.