



Solutions Benefits

EXPERIENCED
POWER PROFESSIONALS

RAPID DEPLOYMENT
CAPABILITY

CONTINUOUS MONITORING

GLOBAL PARTS
SUPPORT NETWORK

TRAINING AND
DOCUMENTATION

OUR TURNKEY SOLUTION

DESIGN

ENGINEERING

LOGISTICS

PROCUREMENT

CONSTRUCTION

COMMISSIONING

OPERATION

MAINTENANCE

FUEL MANAGEMENT

SECURITY

Operations and Maintenance (O&M)

As the evolving energy sector becomes more regulated and cost-conscious, Utilities and Critical Power industries around the world are increasing their focus on improving power plant performance, assuring contract compliance, and maintaining the reliability required for successful operations.

In addition to customized power solutions that utilize advanced technology, APR Energy provides O&M that ensures a power plant delivers its maximum value. Backed by high-performance teams to maximize energy generation, APR Energy supports power plants operating on gas turbines or reciprocating engines anywhere in the world with a full scope of O&M, from installation and commissioning to balance of plant management.

With a vast global portfolio of successful power projects, APR Energy has more than 1 million operating hours of comprehensive O&M experience to help its customers achieve their organization's performance goals. APR Energy support ranges from specialized field service engineers and technicians to cross-trained power plant experts, who combine to form a multinational resource network that will train, develop and empower your local teams.

Comprehensive O&M:

FULL-SERVICE TURNKEY O&M

PREDICTIVE, CORRECTIVE AND PREVENTATIVE MAINTENANCE

SUPERVISORY SERVICES

ASSET MANAGEMENT AND PERFORMANCE SERVICES

REMOTE MONITORING

WAREHOUSE MANAGEMENT

TRAINING AND DOCUMENTATION

HEALTH, SAFETY, ENVIRONMENTAL AND QUALITY ASSURANCE MANAGEMENT

AUXILIARY PLANT EQUIPMENT

Field Services

INSTALLATION/COMMISSIONING

OUTAGE MANAGEMENT SERVICES

TURBINE PACKAGE INSPECTION AND MAINTENANCE

- SCHEDULED INSPECTIONS
- BOROSCOPE AND ALIGNMENT
- HOT SECTIONS AND ENGINE EXCHANGES
- TURBINE MID FRAME (TMF) REPLACEMENT
- AUTOMATIC VOLTAGE REGULATOR (AVR) SERVICES
- TOP CASE INSPECTIONS AND CLEANING
- FUEL SYSTEM EXCHANGE

DEMOBILIZATION/DISASSEMBLY/RELOCATION

BALANCE OF PLANT (BOP)

- FUEL SYSTEM MANAGEMENT
- TRANSFORMER TESTING, COMMISSIONING AND MAINTENANCE
- SWITCHGEAR TESTING AND MAINTENANCE
- ELECTRICAL AND PROTECTION STUDIES

Case studies

Australia

SAPN Project – The intermittency of wind and solar technologies during periods of peak demand posed unique challenges to the South Australian electrical grid. In response, APR Energy utilized fast-responding mobile gas turbines and provided comprehensive O&M services to meet the grid stabilization requirements of the South Australia government. After transferring ownership of assets to South Australia, a contract was extended to APR Energy for O&M Services to ensure government assets continued to achieve maximum responsiveness and efficiency.

Edinburgh, South Australia



Libya

In 2013, concerns arose that Libya's power generation and transmission system would be unable to meet the country's acute and growing demand for electricity during the hot summer months. After working with General Electricity Company of Libya (GECOL) to conduct comprehensive interconnection studies, APR Energy delivered fast-track solutions that involved the delivery of state-of-the-art mobile gas turbines and training of local technical resources to install, operate and maintain its plants.

Samnu, Libya



SOLUTIONS BENEFITS:

Experienced Power Professionals

Highly qualified and seasoned field service engineers and technicians with decades of hands-on experience repairing and maintaining power-generating assets in some of the harshest environments around the world.

Rapid Deployment Capability

Immediate support with immigration, and the global mobility to access a multinational network to ensure resources are available on time for services when and where needed.

Continuous Monitoring

Remote monitoring, operational diagnosis, and preventive maintenance to ensure high levels of reliability and availability, all supported by a global team of experienced professionals.

Global Parts Support Network

Access to world-class preferred vendors and spare parts that are critical for keeping assets operating with optimal performance.

Training and Documentation

Comprehensive documentation of processes and robust training to empower local personnel to apply the best practices for achieving quality performance.

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