



EXPERT SUPPORT BY YOUR SIDE

REMOTE MONITORING & DIAGNOSTICS

ProEnergy provides 24/7 Remote Monitoring and Diagnostic (RM&D) support from our fully NERC compliant Remote Operating Center (ROC) in Sedalia, Missouri.

We create real time value for our customers by applying analytical techniques and subject matter expertise regarding LM combustion turbine technology in such a way that is repeatable and tracked to measure successes.

PROENERGY

ADVANTAGES

- Improvement in GT availability and reliability
- Reduce risk of in-service failure, extended downtime and collateral damage
- Remote experts review, analyze and assist in troubleshooting
- Performance trending to monitor and optimize heat rate and power output
- Advanced analytics and fleet knowledge lower your total cost of ownership
- On-Campus engineering and Depot level support



EXPERTS BY YOUR SIDE

The RM&D Center is like having an engineer by your side, ensures that alarms and detected anomalies are acted upon in a timely manner and assists the O&M plant personnel with NERC and environmental monitoring and reporting. Significant deviations will be reported daily for immediate attention and ProEnergy will provide a monthly monitoring report to the Owner tracking all observed issues to closure and reporting KPIs as part of this service.

Through data trending and analysis, indications for potential failures earlier in the degradation timeline, avoiding costly failures and potential collateral damage. These insights aid ProEnergy in making operation and maintenance recommendations based on the overall condition and operational trending of each specific asset.

The RM&D staff use expert-software-based analytical tools to sift through real time plant data, optimize plant operations and maximize plant profitability. Our Dynamic Monitoring & Diagnostics uses design curves and/or first-principle thermodynamic models (Digital Twin) to identify gaps to optimal performance, calculates the value of the loss and assists in identifying and remediating the underlying causes. Beyond dynamic monitoring, our Advanced Monitoring & Diagnostics uses advanced machinery dynamics, vibration principals and prognostic capability to provide advanced warning of potential failures.

