Remote Monitoring and Diagnostic Services

Remote Monitoring & Diagnostic Services offered by GE Aeroderivative & Package Services

GE Aero Energy offers Remote Monitoring and Diagnostic Services to enable aeroderivative turbine plant operators to improve availability, reliability, operating performance, and maintenance effectiveness. Monitoring of key parameters by factory experts leads to early warning of equipment problems and avoidance of expensive secondary damage. Diagnostic programs seek out emerging trends and alert monitoring personnel, enabling proactive intervention to avoid forced outages and extended down-time. The ability for factory engineers to view real-time operations in many cases results in accelerated troubleshooting without requiring a site visit. GE is currently monitoring over 50 LM series gas turbine installations worldwide.

Only GE Aero Energy can provide a comprehensive system which integrates support from GE engineers who know your plant's design and how it operates.

GE's remote monitoring and diagnostics system includes on-site hardware and software which retrieves operating data from the plant's control system and makes it available for transmission to GE's centralized M&D database. Operating data is transmitted from site over a standard telephone line, either on a continuous basis via a private Internet network, or in a periodic downloading session. The central database archives the operating data, conducts diagnosis on key parameters, and provides all data necessary for display or trending.

Monitoring and diagnostic service programs are available or in development to support all installed plant configurations at a variety of service levels. Soon to be released is a multi-purpose access program which provides plant operating summaries, parametric trending, real-time viewing, and reports to operators through their personalized GE Internet web site. Optional monitoring features such as full-spectrum vibration monitoring and performance diagnostics are available to compliment standard monitoring services.

Monitoring services are available from a number of sources, but only GE Aero Energy can provide a comprehensive system which integrates support from GE engineers who know your plant's design and how it operates.