

TECHNICAL SERVICES

FERN ENGINEERING, established in 1967, offers turbomachinery services, specializing in gas turbines, to users and manufacturers throughout the world. We provide:

- **Studies**
 - Feasibility Studies
 - Performance Analysis
 - Cycle Analysis
 - Power Enhancement Methods
- **Engineering Analysis**
 - Stress and Vibration Analysis
 - Troubleshooting and Failure Analysis
 - Heat Transfer Analysis
- **Consultation**
 - Third Party Consultation
 - Litigation Support
- **Design Engineering**
 - Equipment Modification and Redesign
 - Component Upgrade and Improvement
 - Hardware Procurement
 - Installation Design
- **Commissioning/Performance Testing and Installation Supervision**
 - Start-Up/Commissioning of Gas Turbine Plants
 - Performance Testing
 - Independent Evaluation
 - Efficiency Optimization Consultation
- **Fuel Nozzle Refurbishment (Gas & Liquid)**
 - Problem Diagnostics
 - Fuel Nozzle Repair
 - Fuel Nozzle Recalibration
- **Operator Training**
 - Gas Turbine Operator Training
 - Maintenance Management Training
 - Training Manuals
- **GT Inlet Fogging Systems**
 - High Energy Efficiency
 - One-Piece, Compact Construction
 - Consistent Droplet Size