

## FIELD SERVICES

ProEnergy's Field Services Division prides itself on providing high-quality workmanship on time and at a cost-effective price. Whether it is turnkey project execution or seamlessly supplementing your team, we deliver efficient productivity through proactive planning, project management, quality assurance and attention to safety.

From pre-outage planning and project execution to post-outage reporting, we make optimal use of limited downtime and properly maintain equipment for effective plant operation.

### PROENERGY'S FIELD SERVICES INCLUDE:

#### Industrial Gas Turbine

Including GE 5, 6B, 6F, 7E, 7F, 9E, Siemens/Westinghouse 501D, 501F, V84.2, V84.3, V94.2, V94.3, Alstom 11N1, 11N2, GT24, GT26 gas turbines

- Borescope Inspections
- Combustion Inspections
- Hot Gas Path Inspections
- Major Inspections
- Component Repairs
- Installations

#### Aero Gas Turbine

Including GE LM2500, LM5000, LM6000, Pratt & Whitney FT4, FT8, Solar, Allison gas turbines

- Borescope Inspections
- Annual & Semi Annual Inspections
- Hot Section Changeouts
- Major Maintenance
- Entire Changeouts
- Troubleshooting Callouts
- Component Repairs
- Installations

#### Steam Turbine & Mechanical Drives

Including GE, Siemens/Westinghouse, Alstom

- Major Maintenance
- Troubleshooting Callouts
- Component Repairs
- Installations
- Babbit Bearing Repairs
- Valve & Seat Repairs
- Steam Chest Repairs
- On-Site Machining
- Cen

#### Generator Services

- Minor Maintenance
- Major Maintenance

- Troubleshooting Callouts
- Component Repairs
- Hydrogen System Testing
- Megger and PI on Generator Stator
- Stator & Field Resistance Measurements (DLRO)
- Field AC Impedance Testing
- Power Factor testing
- Test Stator RTD's and Metering
- Check Droop Settings
- AVR Troubleshooting

#### Mechanical Services

##### 1. Boiler/HRSG

- Erection
- Fabrication
- Alteration
- Repair
- National Board R Stamp Certified
- ASME A, S and U Stamp Certified

##### 2. Piping Fabrication and Installation

- Small and Large bore
- Carbon, Stainless and Alloys
- High-Purity Stainless Steel

##### 3. Structural Fabrication

- Plate and Shape Assemblies
- AWS D1.1 Certified welders

##### 4. Emissions Equipment Repair and Installation

- SCR / CO Catalyst Systems
- Precipitators / Scrubbers

##### 5. BOP Repair and Installation

- Pumps/Fans/Blowers
- Manual and Automated Valves
- Long Term Maintenance Contracts

#### Field Services Continued



## OPERATIONS & MAINTENANCE

ProEnergy Services' O&M philosophy focuses on safely maximizing plant equipment reliability, availability and performance. This is accomplished while maintaining a balanced, cost effective approach of O&M expenses over an asset's life in which to protect its long-term value. We are flexible enough to tailor fit a specific O&M program with proven policies, procedures and processes that will ensure your project's success. ProEnergy's O&M Services always maintains the highest safety standards while exceeding environmental requirements.

Our team manages their jobs from a customer-satisfaction approach, and brings to the project the training and experience necessary to achieve the highest results. We recognize that providing consistent, effective and comprehensive support to a plant staff is paramount.

## PROENERGY'S OPERATIONS AND MAINTENANCE SERVICES INCLUDE:

- Full O&M short or long term agreements
- Support EH&S
- Support QA/QC
- Peak seasonal staffing
- Augmented staffing
- Remote operations
- If you decide to self perform your own O&M, our Tech Services will provide project mobilization support.
- Pursuing ISO 9001.2000 Certification by 2008

## MORE FIELD SERVICES

### Controls and Instrumentation Services

1. Process Automation
  - TXP, Ovation, WDPF, Leads & Northrop Delta V, Honeywell TDC 3000
2. Controls Troubleshooting
  - TXP, Ovation, GE Mark V, GE Mark VI, Woodward 501, NetCon 5000, MicroNet, Bailey Infi 90, Net 90, Taylor Mod, Foxboro IA, Simplicity, Rosmount
3. PLC Programming
  - Allen Bradley, Modicon, Yokagawa, GE Fanuc 90/70, Wonderware
4. Electrical Testing
  - Switch gear
  - Protective Relay testing
  - MCC Repair and Troubleshooting

