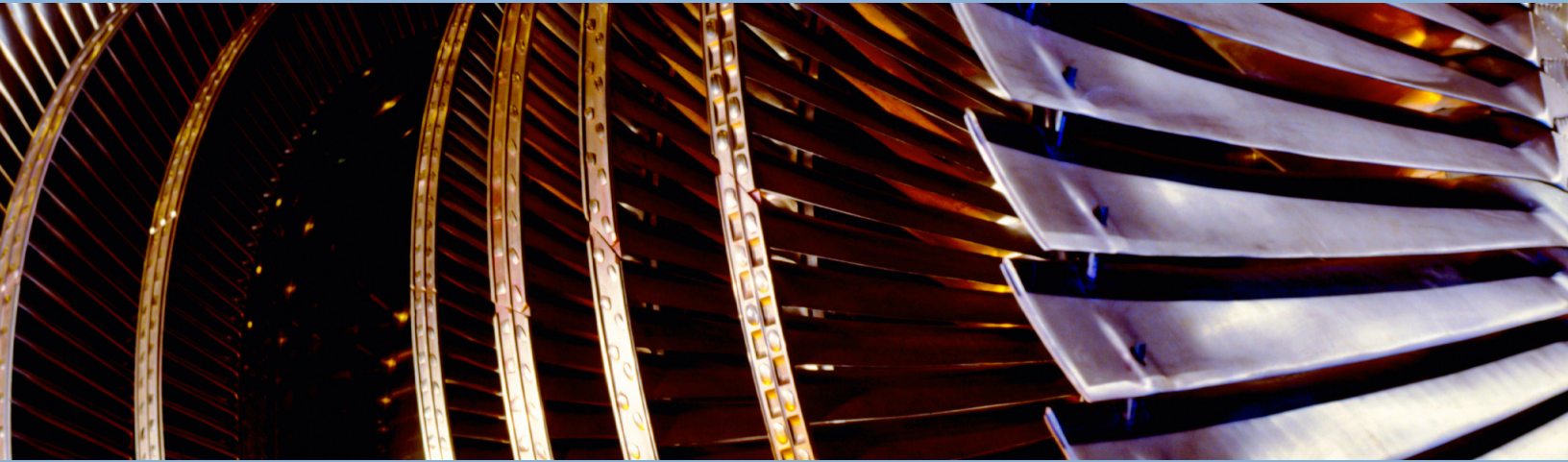


# TURBINE GENERATOR MAINTENANCE, INC.

Safety, Quality, Production... in that order!



## STEAM & COMBUSTION TURBINE TURNKEY SERVICES

### Steam

- Valve & Bearing Inspections
- Major Inspections

### Combustion

- Combustion Inspections
- Hot Gas Path Inspections
- Major Inspections

### All

- Borescope Inspections
- 24/7 Forced Outage Support (1-888-MrTurbine)
- Multi-year Service Agreements
- Engineering Consulting
- Component Reverse Engineering
- Unit Installation / Relocation

## RUNNING CONDITION ASSESSMENTS

Annual Assessment, 3-5 Days, 1 Technician

### Benefits

- Extend Major to Major Cycle
- Identify Imminent Failures
- Identify Heat Losses
- Prep for Planned Outage
- Pre and Post-Outage Benchmarks

### Methodology

- Visual Analysis
- Ultrasonic Analysis
- Vibration Analysis
- Thermal Analysis
- Data Collection
- Report Review
- Operator Interviews

## GENERATOR SERVICES

### Testing

- GRIP® 1,2, & 3 (Generator Reliability Inspection Program) Testing Programs
- Visual Inspection with Borescope
- Copper Resistance Measurements
- Insulation Resistance Test
- Polarization Index Test
- AC Impedance Test
- Direct Current High Potential Test
- Power Factor & Tip-Up Test
- Corona Camera Inspection
- Growler Test
- Wedge Tightness Mapping
- EI CID Core Test
- Polarization / Depolarization Test
- Direct Current Ramp Test

- Off-Line Partial Discharge Test
- End Winding Resonance Test
- Recurrent Surge Oscillograph Test

### Repairs

- Stator re-wedging
- Rotor retaining ring removal / replacement
- Stator core repairs
- End winding repairs
- Rotor and Stator Rewinds

## TOTAL TURBINE CARE®

The Peace of Mind of an LTSA – with the additional benefits of reduced costs and a higher quality service

- Dedicated Team for your outages
- Annual Assessment of the Power Island
- Parts Inventory Assistance - minimizing the inventory on-hand
- Reliability / Availability Improvement Processes
- Upgrade / Engineering Enhancements Available
- Flexibility - Payment Milestones and Contract Length are fully negotiable

24/7 RESPONSE

**800-226-7557**