

# GAS TURBINE SERVICES

When Knowledge & Experience Matter

Power plant owners and operators have entrusted their turnkey turbine-generator overhauls to Mechanical Dynamics & Analysis for nearly three decades. Our project managers and technical directors are seasoned professionals with a broad range of experiences whose skill sets cover both common and unique makes and models of turbo machinery from around the world. Our reputation for providing objective advice, effective project management and high quality repairs has enabled MD&A to become one of the most recognized and trusted names in the power generation industry.



To support our field work, we maintain a 170,000 square foot turbine-generator repair facility located in Saint Louis, Missouri. This facility houses a wealth of engineering, machining equipment and other technical resources needed to support our on-site projects. Our repair facility enables us to provide rapid turnaround of projects such as rotor repairs and casing renovations which are most effectively addressed off site.

## Fleet Support for:

General Electric: Frame 3, 5, 6, 7EA, 7FA, 9E, 9FA  
Alstom: GT 8, 11, 13, 24, 26  
Siemens-Westinghouse: 251, 501 A-G, V84  
Hitachi: H15, H25

## Office & Facility Locations

- Latham, NY
- Willoughby, OH
- Ocala, FL
- Clifton Park, NY
- Houston, TX
- Anoka, MN
- Fort Collins, CO
- St. Louis, MO
- Mandan, ND

## MECHANICAL DYNAMICS & ANALYSIS

*For more information on this product or service please contact MD&A at 518-399-3616.*

### An abbreviated list of services provided by our Gas Turbine Services team includes:

- Project Management & Schedule Coordination
- Technical Direction, Consult & Start Up Engineers
- Centerline Installations
- Acceptance Testing
- Combustion, Hot Gas Path & Major Inspections
- Generator Inspection & Repair
- Labor & Supervision
- Engineering Reviews
- Borescope Inspection
- Installations & Relocations



### Project Scopes & Capabilities

- Turnkey Combined Cycle Turbine Overhauls
- Rotor Straightening
- Drop-In Generator Replacement
- Bearing Refurbishment
- Strut Repair
- Casing Re-Rounding
- Generator Field & Stator Rewinds
- On-Site & In-Shop Field Machining
- Rotor Weld Repairs
- Complete Electrical Test & Inspect
- Outage Parts Planning
- Control System Upgrades

## MECHANICAL DYNAMICS & ANALYSIS

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