

GAS TURBINE SERVICES

When Knowledge & Experience Matter

Power plant owners and operators have entrusted their turnkey turbine-generator overhauls to Mechanical Dynamics & Analysis for over 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.



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

- Combustion, Hot Gas Path & Major Inspections
- Generator Inspection and Repair
- New and Used Capital and Consumable Parts
- Hot Gas Path, Combustion and Compressor Repairs
- Technical Direction, Consultation & Controls Engineers
- Labor & Supervision
- Control System Upgrades
- Full Suite of Specialty Services

Fleet Support for:

Alstom: GT 8, 11, 13, 24, 26

General Electric: Frame 3, 5, 6B, 7EA, 7FA, 9E, 9FA

Siemens-Westinghouse: V84, V94

Facility Locations:

- Latham, NY
- St. Louis, MO
- Clifton Park, NY
- Houston, TX
- Fort Collins, CO
- Euclid, OH

MECHANICAL DYNAMICS & ANALYSIS

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

GAS TURBINE SPECIALIZED SERVICES

Experienced Professionals – Experts in their Fields

Gas Turbine Internal Alignment

MD&A's Alignment Division has a wealth of experience on gas turbine casing and bearing alignment activities. MD&A can assess the internal alignment, and realign all gas turbines to their design conditions. MD&A can also support replacement and alignment of the Compressor Discharge Casings.

Vibration Analysis and Balance

MD&A's team of Vibration Specialists can assess gas turbine and generator imbalance, and recommend placement of correction balance shots. MD&A's new High Speed Balance facility can handle all gas turbine and generator rotors.

Generator Repairs

Our Generator Division based in St. Louis MO can perform all repairs on gas turbine generators, including field and stator rewinds, with new or existing copper.

Gas Turbine and Generator Bearings

MD&A's RPM Division supports all makes and models of gas turbines with expedited bearing repairs, and a stock of replacement bearings.

Component and Rotor Repairs

Through its strategic partnerships, MD&A has access to full repair capabilities for the high tech and mature gas turbine fleets.

Capital and Consumable Parts

MD&A provides capital and consumable parts for gas turbines through its Turbo Parts division. TPL can supply consumable parts kits for outages, allowing the customer to only pay for parts used.

Plant Performance Testing and Analysis

The MD&A Performance Testing group provides full analysis capabilities for Combined Cycle and Simple Cycle plants. The experienced team can identify performance and output shortfalls, and make specific recommendations to resolve.



MECHANICAL DYNAMICS & ANALYSIS

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