

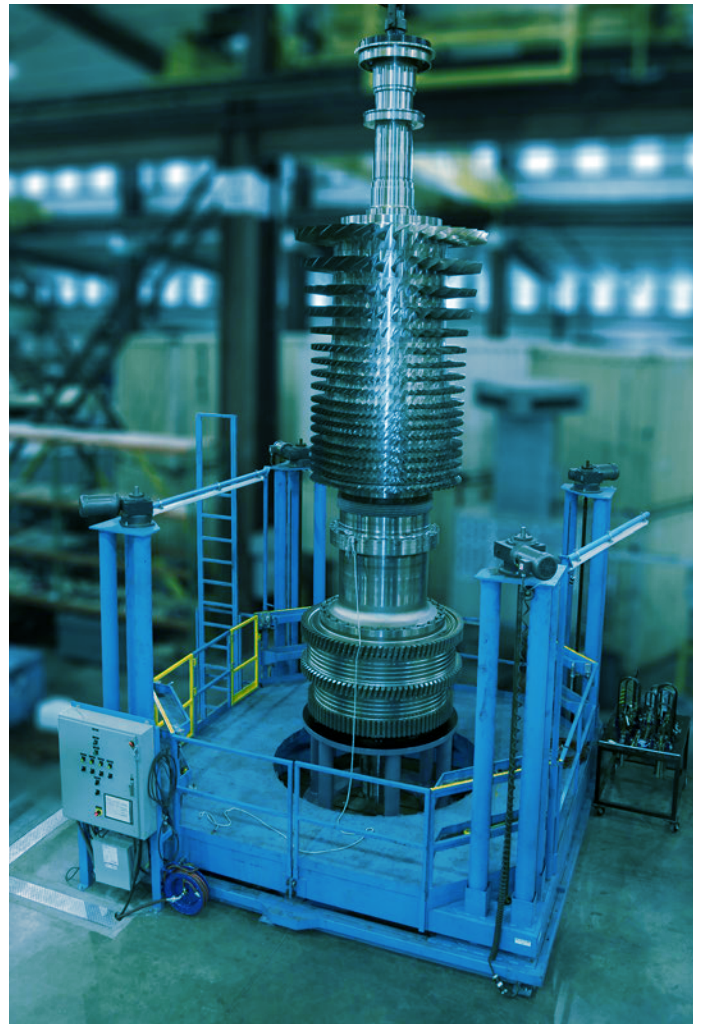
# GAS TURBINE SERVICES

## 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 Components
- 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, 6FA, 7EA, 7FA, 9E, 9FA

Siemens®: V84, V94

## MECHANICAL DYNAMICS & ANALYSIS

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

### Gas Turbine Rotor Repairs

MD&A's Turbine-Generator Repair Facility offers full capabilities for your gas turbine rotor maintenance and end of life assessment. It also has an elevator system to perform a full gas turbine rotor and compressor unstack and restack.

### Component Repairs

MD&A's San Antonio Service Center is an industry leader in gas turbine component repair and manufacturing with proven expertise on multiple frame gas turbine hot gas path and combustion components. Our enhanced gas turbine new parts use proprietary advanced technology.

### Generator Repairs

MD&A's Generator Division can perform all repairs on gas turbine generators, including field and stator rewinds, with new or existing copper. It has two new generator clean rooms to accommodate multiple field rewinds at a time.

### 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.

### 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.

### Gas Turbine and Generator Bearings

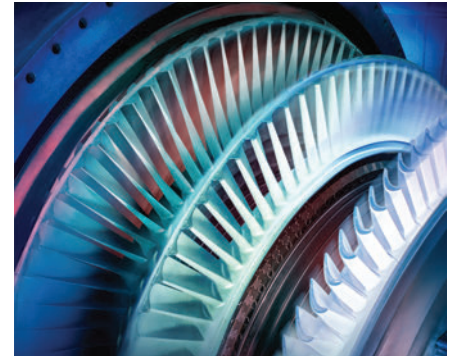
MD&A's Bearings, Seals & Hydraulics Division supports all makes and models of gas turbines with expedited bearing repairs, and a stock of replacement bearings.

### Capital and Consumable Parts

MD&A's Parts division is a premier worldwide supplier of capital and consumable parts for gas turbines.

### 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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