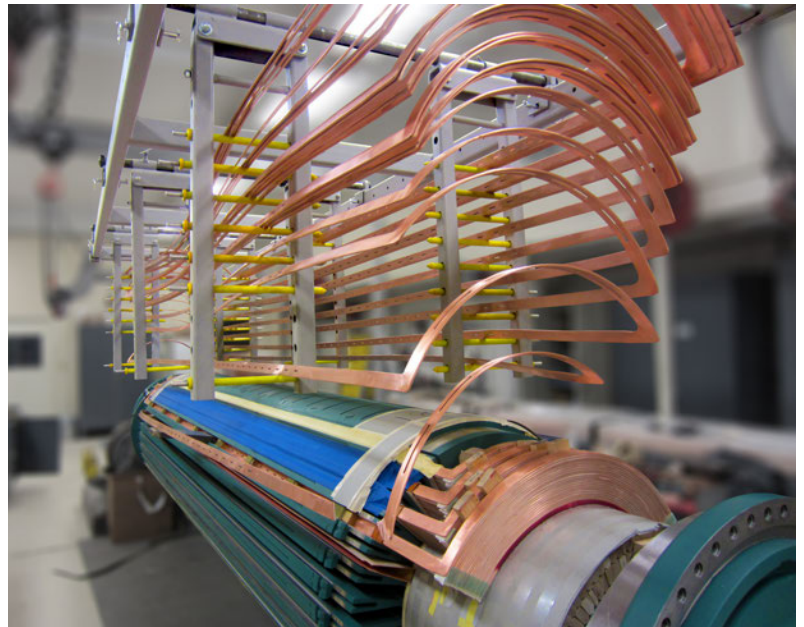


GENERATOR REPAIR

Skilled Experts for Field & Stator Repair

MD&A provides turnkey overhaul of water, hydrogen and conventionally-cooled utility generators up to 1300 megawatts. Our Turbine-Generator Repair Facility can accommodate multiple generator field rewinds of any capacity with two generator clean rooms. We invest heavily in the development of people, procedures and principles which facilitate improvements in design, reliability and performance.



Field Repair

- Partial and Full Field Rewinds
- Main Lead Replacement
- High-Speed Balance
- Retaining Ring Change-Outs
- Boresonic Inspection
- Field Swap Out Services Available

Additional

- Collector Ring Machining
- Oil Deflector reconditioning
- 7FH2 Generator Field Spring Migration

Stator repair

- Short-Cycle Stator Rewinds
- Stator Bars (in partnership)
- Flex Lead Inspection and Replacement
- Wedge System Upgrades
- Flush & Bake Service
- On-Site Licensed Engineers

High Voltage Bushings

- Complete Overhaul & Component Upgrades
- Short-Cycle Replacement
- Stand-Off Insulators & New Porcelains

GENERATOR SERVICES

On-site Field & Stator Testing & Inspections

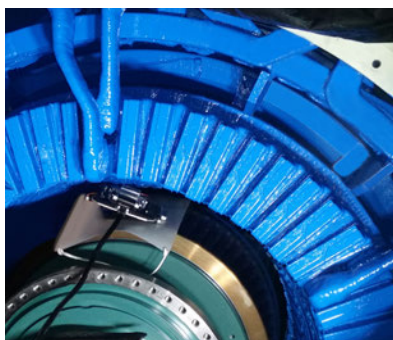
For electric utility-sized generators, MD&A provides generator specialists to conduct full scope electrical testing, visual inspections and specialty tests as per customer requirements.

MD&A employs trained and skilled generator specialists and winders who approach challenges with the experiences gained from hundreds of successful projects.



Services

- Robotic Generator In-Situ Inspection
- Stator Wedge Tightness Assessment
- Generator Excitation Retrofits



Test & Inspection

- Pressure & Vacuum Decay
- AC High-Potential Testing
- Physical Examination
- Resonance Tuning
- DC Leakage
- Digital EL CID
- Non-Destructive Evaluation

MD&A TURBINE-GENERATOR REPAIR FACILITY

3804 Weber Road • St. Louis, MO 63125 • Ph: 314-880-3000 • Fax: 314-638-3473 • www.MDAturbines.com