



Gas Turbine Parts Supply

We help minimize downtime and maximize plant availability with a massive inventory of new, used and refurbished gas turbine parts:

- Buckets
- Combustion liners
- Nozzles
- Rotors
- Shroud blocks
- Transition pieces



Rotor Life Management Program

Our customizable rotor life management program delivers measurable results: reduced downtime, minimized costs, and extended rotor life by 50,000 hours or 2,500 starts. We can inspect, disassemble and reassemble rotors, and perform engineering analysis at our Central Repair Shop. All this keeps your rotors and units running as reliably and efficiently as possible.



Operation and Maintenance Service

We bring the experience, best practices and support that come with a fleet operation to the operation and maintenance of your facility. We are motivated by a singular goal: keep your operation running at peak performance. Our experience and capabilities includes:

- Biomass
- CHP
- Coal
- Natural gas
- Oil
- Solar
- Steam
- Wind



Technical Services

We offer unsurpassed in-house technical expertise for every facet of plant operations and maintenance. Our staff includes more than 50 engineers and technical specialists who are among the most highly trained personnel in the industry. With 24/7 technical support, an emergency hotline, and a mobile response crew that can be on-site within 12 hours, we're poised to quickly resolve a range of plant issues:

- Continuous emissions monitoring systems
- Electrical and instrumentation
- Project management
- Repair shop
- Rotating equipment
- Turbine (steam and gas)



Contact us:

Discover a new level of maintenance service today.

Central Repair Shop

12307 Kurland Dr.
Houston, TX 77034

855.532.4984

energyservices@nrg.com

nrg.com/maintenance



NRG Maintenance Services

Equipment Repair Solutions





NRG Energy Services helps your business minimize the risks associated with power outages and interruptions through our extensive experience and industry know-how.

The energy behind power generation – a new look at maintenance

We provide a new perspective on maintenance. With over 30 years of power plant operation and maintenance and servicing a fleet of 59 GW of generating capacity, our experience is both substantial and wide-ranging.

We provide unique solutions to maintaining plant production and keeping your units and equipment running. Maintenance Services has extensive knowledge in industrial plant processes and power generation equipment.

Central Repair Shop

We take the phrase “one-stop shop” seriously, offering comprehensive repair services out of our 80,000-sq.-ft., OSHA VPP Star-certified and ISO 9001:2015 facility in Houston:

- Coating
- Combustion turbine rotor repair
- Material analysis
- Nondestructive evaluation
- Pump repair
- Rotor life analysis
- Steam turbine repair
- Steam turbine stationary component repair
- Turbine casing repair
- Welding and light fabrication
- Wind turbine main shaft repair
- Valve repair

WIDE-RANGING SHOP EQUIPMENT:

- 100/25-ton and 15/5-ton center bay cranes
- 3- to 15-ton cranes
- 34-foot blast house with 100-ton crane access
- 70+ additional machine tools
- Abrasive water jet with 12-foot by 6-foot cutting table
- Largest horizontal boring machine: 9-feet tall, 20-feet long
- Largest lathe: 11 ½-foot swing, 35-feet between centers
- Largest vertical boring machine: 17-foot swing
- NC vertical boring machine: 10-foot swing
- Small CNC lathe and milling machines



Steam Turbine Repair

Our steam turbine repairs are unsurpassed in the industry with over 30 years of experience on most types of steam turbines:

- Diaphragm partition repair, steam erosion weld repair and re-rounding
- Repair or manufacture oil deflectors and seals
- Turbine rotor inspections and repairs
- Turbine case welding and machining

Valve Repair

Extensive portfolio of expertise:

- Bushing replacement
- Feed water valves
- Machine weld preparation
- Replacement parts
- Turbine control/governor, stop/throttle, and intercept valves
- Weld build-up of eroded areas

Gas Turbine Repair

We have over 20 years of rotor experience and have developed unique solutions to address TIL 1576. In addition, our expertise with gas turbine rotors ranges from inspecting and repairing to unstacking and restacking most frames:

- Customized repairs to address dovetail cracking
- Engineering analysis
- Inspection services and material analysis lab
- Turbine and compressor rotor inspections
- Turbine and compressor unstack and restack

Pump Repair

We can service all types of pumps, large and small, and perform robust maintenance and repair projects.

- Boiler feed pumps
- High speed centrifugal horizontal and vertical pumps
- Large vertical turbine pumps
- Major manufacturers
 - DeLaval, KSB, Allis Chalmers, Byron Jackson, Ingersoll Rand, Pacific, SPX Clyde Union, Foster Wheeler, ITT Gould's

Inspection Services and Material Analysis Lab

Our certified inspectors can pinpoint issues, provide failure analysis and report on the overall condition of a diverse range of equipment:

- Coal, gas and oil boilers
- Piping
- Turbines

We use 6-millimeter and 8-millimeter probes to get visuals in areas with limited access up to 100 inches deep. We go the extra mile to ensure your inspection is performed thoroughly.

