

Thorough. Fast. Dependable.

Why choose one when you can have all three?

Discover a new level of maintenance service today.

Central Repair Shop
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The power behind power generation.

Introducing NRG Maintenance Services.





Thorough. Fast. Dependable.

That describes our engineers, our services and our mission for the performance of your equipment.

NRG Maintenance Services has extensive experience with industrial and power generation equipment, and related operational processes. In addition to serving external customers, we maintain equipment for the diverse generation assets of NRG Energy, our parent company. NRG, a Fortune 300 company, owns and operates solar, wind, coal, gas and nuclear facilities located throughout the United States.

We help owners of power generation assets — simple cycle, combined cycle, steam turbine, and combined heat and power

facilities — to effectively minimize the risks associated with power outages and interruptions. Our skilled operations and maintenance engineering teams provide plant maintenance solutions that reduce downtime, increase equipment availability and reduce the total cost of ownership of your facility.

Our mobile workforce provides year-round maintenance support, 24/7. Take a look at our comprehensive set of services available to your business.



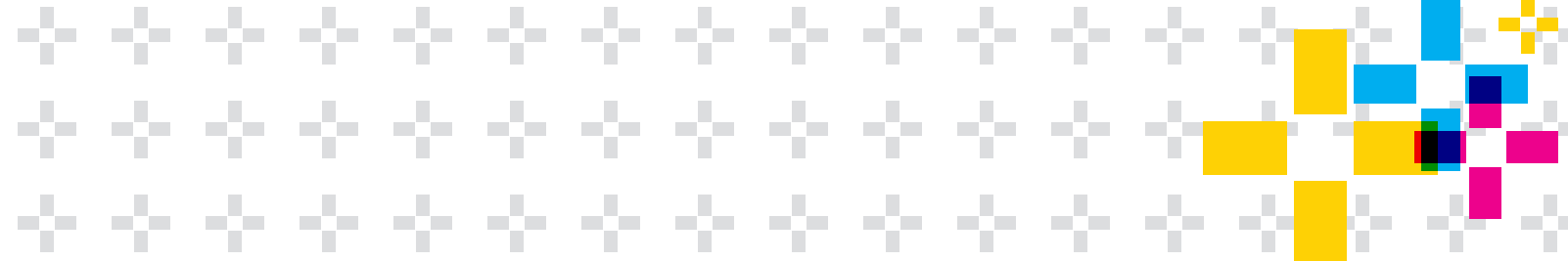
Central Repair Shop

We take the phrase “one-stop shop” seriously. NRG Maintenance Services’ 60,000-square-foot, climate-controlled shop is an OSHA VPP Star certified site. We provide extensive repair services in areas including steam and combustion turbine, wind turbine gear boxes and shafts, pumps, welding and light fabrication, valves, coating and blasting, material analysis, and nondestructive evaluations (NDEs). A quality-control program allows us to track shop work, equipment calibration and non-conformance. **Shop abilities include:**

- Steam Turbine Repair
- Combustion Turbine Repair
- Material Analysis Lab
- Coating and Blasting
- Valve Repair
- Field Machining
- Non-Destructive Evaluation
- Pumps

Shop Tools

- ✦ Center bay cranes: 100/25 ton & 15/5 ton
- ✦ Additional cranes: 3 to 15 ton throughout shop
- ✦ Largest lathe: 138 in. swing, 35 ft. between centers
- ✦ Largest vertical boring machine: 17 ft. swing
- ✦ NC vertical boring machine: 10 ft. swing
- ✦ Largest horizontal boring machine: 9 ft. vert. x 20 ft. horz.
- ✦ Abrasive water jet with 12 ft. x 6 ft. cutting table
- ✦ 34 ft. long blast house with 100 ton crane access
- ✦ Small CNC lathe and milling machines
- ✦ Over 70 other machine tools



Outage Services

When the power goes out, our expertise kicks in. Specifically, that means boiler services, steam and gas turbine maintenance, balance of plant (BOP) equipment maintenance, instrumentation and control/electrical services, field machining, predictive and preventive maintenance and vibration. **We’ll get your equipment back up and running with:**

- Steam turbine maintenance
- Complete valve service
- Mechanical & electronic turbine protective device testing
- Remote video inspection
- Gas turbine maintenance
- On-site supervision/management
- Laser alignment
- Vibration analysis & field turbine balancing



Steam Generator Services

In hot water with a steam generator that needs work? **Our “R” Stamp ASME Code certified welders can bring your equipment back to proper working order with:**

- Boiler pressure part repair
- Boiler tube failure mapping program
- Air preheater program
- Immediate response to forced outage events
- Installation and maintenance of low nitrogen oxide components
- Large fan overhaul and repair



Mechanical & Balance of Plant Services

Sometimes, it takes more than just oil to get a machine running efficiently. In those instances, call on NRG Maintenance Services. **Our mechanics have extensive experience in:**

- Servicing a variety of horizontal and vertical pumps from all of the major manufacturers
- Troubleshooting, repairing and coating revolving screens
- NBIC “R” Stamp welding, fabricating and repairing of heat exchangers, piping fabrication, valves, condensers and pump casings



Instrumentation & Control/Electrical Services

We have the art of I&C/E down to a science. Our abilities span a broad spectrum, including predictive maintenance, power distribution services and motor inspections. **We also offer a range of services for:**

- Protective relaying, energy management systems and digital fault recorders
- Voltage regulators, SCADA communication and fiber-optics data acquisition
- Steam and gas turbine generators, black start units
- Generator fields, excitation systems and power transformers
- Medium- and low-voltage circuit breakers
- Motor-operated valves
- Transformers



Inspection Services & Material Analysis Lab

Count on us to locate the needle in the haystack. Our expert inspectors can pinpoint issues, provide failure analysis and give an overall report on the condition of coal, gas and oil boilers, piping, turbines, and more. In areas with limited access, use of 6mm and 8mm probes gives visuals up to 100 inches in length. Whether we’re in the field or our state-of-the-art material analysis lab, we can examine, test and analyze a variety of materials to get to the root of the problem.