



## STEAM TURBINE SOLUTIONS

### TURN-KEY INSPECTIONS

Power Services Group (PSG) has the ability to provide full turnkey inspections on steam turbine generators for most OEM manufacturers. PSG provides total turnkey outage performance including technical direction, engineering, project management & coordination, supervision, labor, tooling, repairs, parts sourcing and/or manufacturing, and start-up support. We support fossil and nuclear steam turbines ranging from 1MW to 1,300MW for all major OEMs. We service all industry types including, but not limited to: industrial, paper/pulp, marine, steel/aluminum, chemical and petrochemical, utility, nuclear, and independent power producers.

### SERVICES PROVIDED

- Open, Clean, Inspect, Close (Outage Services)
- Valve & Bearing Inspection and Repairs
- Steam Path Component Inspection and Repairs
- Major Overhaul Planning and Execution
- Shop Repair Services
- Field Repair Services
- Forced Outage Responsiveness
- Multi-Year Service Agreements
- Engineering/Consulting
- Reverse Engineering
- Parts Manufacturing
- Generator Inspection, Testing, and Repair
- Running Condition Assessments
- Unit Installation/Relocation

### EXPANDED REPAIR CAPABILITIES:

PSG is the leading aftermarket service provider for all steam turbine services. We have a comprehensive steam path component repair facility in Pevely, Missouri as well as a state of the art valve repair facility located in Gainesville, Georgia. In addition to the shop services, we also offer a complete field repair service division that will bring the necessary equipment to your site to perform a quality repair at an affordable price.

#### Common Repair Services Include:

- Nozzle and Diaphragm Refurbishment
- Blade Ring Refurbishment
- Seal and Packing Machining and Replacement
- NDE Services
- Dish Removal and Re-rounding Services
- Blade/Bucket Replacement
- Erosion Shield Replacement
- Lashing Lug Weld Repair
- Tennon Welding and Refurbishment
- Cover Replacement
- Bore Plug Removal and Installation
- Balancing Services
- Valve Reconditioning
- In-House Nitriding Services
- Stellite Application Services

- Shaft and Journal Restoration
- Stud Removal
- Boring – Small to Large Diameters
- Milling
- Advanced Welding Solutions
- On-Site Outage Support Machining Services

### UNITS SERVICED

- ABB & ABB VAX
- Allis Chalmers
- Alstom
- Ansaldo
- BBC
- DeLaval
- Dresser-Rand
- Elliott
- Fairbanks Morse
- Franco Tosi
- GEC
- General Electric
- Metropolitan Vickers
- Mitsubishi
- Murray
- NG
- Parsons
- Peter Brotherhood
- Shin Nippon
- Siemens
- Stal Laval
- Terry
- Thermodyne
- Toshiba
- Turbodyne
- Westinghouse

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