



Gas Turbine Parts Service

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Turbine Technology Services, a global leader in gas turbine engineering and consulting, has built a solid reputation in the power generation industry as a knowledgeable service provider.

Building on this reputation for engineering excellence, TTS continue to offer an enhanced after-market parts service to our global customer network.

TTS's multilingual customer support team provides a total gas turbine power plant parts sourcing and procurement service. The customer support team is dedicated to providing our clients access to high quality, cost effective spare parts to support both planned and forced outages and normal inventory management.

Key elements of TTS parts sourcing and procurement service include:

- Support for Heavy Duty Industrial & Aero Derivative Gas Turbines manufactured by General Electric, Westinghouse, Pratt & Whitney and Solar.
- Extensive Network of Parts Manufacturers
- Combustion Parts Support for both older Standard Diffusion Combustion Systems and more recent Low Emission Systems
- Consumable Parts Kits - Nuts, Bolts, Gaskets, Seals, etc.
- Turbine Auxiliary System Parts - Valves, Regulators, Coolers, etc.
- Electrical & Instrumentation Parts - Protective Relays, Transmitters, Switches, etc.
- Control System Parts - Turbine & Generator
- International Shipping & Logistics Support
- Engineered Options for Obsolete Components

Typical parts include but are not limited to the following:

Hot Gas Path/Combustion/Major Parts

- Fuel Nozzles
- Combustion Liners/Baskets
- Cross Fire Tubes & Retainers
- Flow Sleeves
- Transition Pieces
- Turbine Buckets/Blades
- Turbine Nozzles
- Shroud Blocks
- Inlet Guide Vanes
- Compressor Blades



Typical parts include but are not limited to the following:

I Turbine Hardware/Consumable Parts/Tool Kits

- Turbine Specific Tool Kits
- Turbine Bucket/Blade Hardware Kits
- Transition Piece Hardware Kits
- Cross Fire Tube Hardware Kits
- Inlet Guide Vane Hardware Kits
- Coupling Bolts
- Casing Bolts
- Bolting
- Doweling
- Gaskets
- Seals
- Lock Plates

I Turbine Fuel Delivery Systems

- Fuel Nozzles – Gas Only, Liquid Only, Dual Fuel, Water/Steam Injection
- Gas Control/Throttle Valves & Parts Kits
- Liquid Bypass/Throttle Valves & Parts Kits
- Fuel Forwarding Pumps
- Y Strainers
- Fuel Filters
- Flow Dividers
- Check Valves
- Flexible Pig Tails

I Turbine Auxiliary Systems

- Accessory Gears & Parts
- Load Gears & Parts
- AA Compressors
- Liquid Fuel Pumps
- Lube Oil Pumps
- Hydraulic Oil Pumps
- Bearings
- Oil Deflectors & Seals
- Heat Exchangers
- Pressure Regulating Valves
- Pressure Relief Valves
- Pump/Fan Motors
- Air Inlet Filters
- Oil Filters – Lube Oil, Hydraulic Oil & Control Oil

I Turbine Electrical & Instrumentation Systems

- Pressure Switches, Transmitters & Gauges
- Temperature Switches, Transmitters & Gauges
- Flame Detectors
- Vibration Sensors
- Thermocouples – Exhaust, Wheelspace, Disc Cavity, Blade Path & Bearing Drain
- Ignition Transformers
- Igniters/Spark Plugs
- Ignition/Spark Plug Cables
- Pump/Fan Motors
- High Temperature Cabling – On Base
- Solenoids, Solenoid Valves

I Control & Protection Systems

- Control System Spares - Control Cards, Power Supplies
- HMI System Replacements
- Excitation System Spares
- Generator Protection Relays
- Current Transformers
- Potential Transformers
- Motor Control Center Parts

I General Plant Systems

- Tool Kits
- Safety Equipment
- Filtration

