

CI, HGP and major kits, parts management software and the engineering expertise to put it all together.

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

TTS' multilingual customer support team provides access to high quality, cost effective spare parts to support both planned and forced outages, as well as normal inventory management.

Our parts management software, Lodestar, helps optimize and track your parts remaining life and repair/replace requirements based on your specific turbine's operating conditions.



TTS Offers

- Support for heavy duty industrial & aero derivative gas turbines manufactured by:
 - General Electric
 - Siemens/Westinghouse
 - Pratt & Whitney
 - Solar
- Extensive network of OEM and aftermarket part manufacturers
- Combustion parts support for both older standard diffusion combustion systems and more recent low emission systems
- Hot Gas Path (HGP) parts and kits – bucket, blades, nozzles and vane installation kits
- Consumable parts kits – CI, HGP and major kits for most engine models
- Turbine auxiliary system parts - valves, regulators, coolers, complete skids, etc.
- Electrical & instrumentation parts - protective relays, transmitters, switches, switchgear panels, etc.
- Control system parts - turbine & generator
- International shipping & logistics support
- Engineered options for hard to find or obsolete components
- Lodestar parts and maintenance management software... an non-OEM cloud based software for parts tracking, turbine maintenance history, usage based budget projections and maintenance planning that is secure and easy to use.



Hot Gas Path | Combustion | Major Parts & Kits

- 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

Turbine Hardware | Consumable Parts & Kits | Tool Kits

- Turbine Specific Tool Kits
- Turbine Bucket or 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

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

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

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

Control Protection Systems

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

General Plant Systems

- Tool Kits
- Replacement Skids, Compartments, Enclosures
- Safety Equipment
- Filtration