

# LONG TERM AGREEMENTS

## Full-Scope Parts and Services on E- and F-class Units

As a leading parts provider in the industry, PSM is offering comprehensive and flexible Long Term Agreements for 7FA, 501F (SGT6-5000F) and 6B aimed at decreasing lifecycle costs to the end user. Our PSM engineered parts are designed for increased component life and extended program intervals, eliminating inspections and providing the customer with significant price reduction over the life of the contract. In addition, through our experience with component performance, PSM is able to reduce the fallout of hot gas parts due to the improvements made to the OEM design and reconditioning process. PSM has also assembled a highly skilled and experienced field service organization capable of industry leading outage performance.

## Flexible Agreements — to fit the customer needs

PSM has designed a flexible concept for the Long Term Agreements focused on your requirements. We understand the frequent change in market conditions, and PSM is willing to accommodate the changing conditions based on your needs. The intention of each agreement is to provide the customer with competitive pricing while taking advantage of the entire PSM portfolio of offerings. Our agreements can be structured to not only include the gas turbine, but also the generator, steam turbine, respective auxiliaries and may include operation.

Types of PSM Service Agreement Offerings			
Included Product Offerings	Long Term Agreement (LTA)	Long Term Parts Agreement (LTPA)	Parts & Reconditioning Pricing Agreement
Parts Supply	X	X	X
Reconditioning	X	X	X
Field Services	X		
Monitoring & Diagnostics (Remote Monitoring)	X	X	
Contract Management	X	X	
Inventory Management	X	X	X

PSM can further customize offerings by adding Monitoring & Diagnostics or Field Services to any agreement as required.

## The PSM Long Term Agreement Portfolio includes:

In summary, the various agreement offerings are structured to optimize your maintenance budget by offering competitive parts life guarantees, minimal parts fallout, coverage during unscheduled inspections, control of inventory, and proactive contract management to ensure total coverage.

### Scope of Supply — based on the customer requirements

The customer determines the level of scope for the Long Term Agreements, ranging from full service offerings to a pricing agreement. Service offered by PSM within a Long Term Agreement include, but are not limited to, the following:

- + Parts Supply
- + Reconditioning
- + Field Services — including craft labor
- + Monitoring & Diagnostics (e.g. Remote Monitoring)
- + Contract Management
- + Inventory Management
- + Parts Tracking
- + Engineering Assessments
- + System Technical Support



Reconditioning

### Parts Supply:

PSM supplies the latest engineered parts over the life of the agreement and integrates the OEM parts (where applicable) currently operating or in the customer's inventory. PSM will also make available to the customer the latest durability and performance upgrades over the life of the contract. The following Parts Supply Services are available with a PSM Long Term Agreement:

- + Latest Technology Improvements & Upgrades
- + Supply Chain Management
- + Inventory Management
- + Miscellaneous Parts Kits
- + Operational Spares

### Reconditioning:

Located at our home in Jupiter, FL, and supported by the Alstom global workshop network, PSM provides Reconditioning Services for all program parts. At our facility in Jupiter, we feature the following capabilities all under one roof in a 80,000 square foot ISO qualified facility with on-site access to our full engineering capabilities:

- + Engineering Services
- + Latest Qualified Procedures/Process
- + State-of-the-Art Equipment
- + Warehouse for Spare & Emergency Parts
- + Fuel Nozzle Overhaul Including Flow Testing
- + Metallurgical Lab



## Field Services:

PSM offers a fully integrated outage team of highly experienced professionals capable of turning high quality overhauls around in a timely and safe manner. PSM Field Services has the capability to support a wide range of power generation equipment including gas turbine, generator, steam turbine, and auxiliary equipment. Service support includes:

- + OSHA Compliant Safety Program
- + Detailed Outage Planning
- + Customized Tooling
- + Emergency Response Team
- + Control/Combustion Tuning
- + Instrumentation Support
- + Valve Calibration
- + Customized Work Instructions & Quality Plan
- + Foreign Material Exclusion Procedures
- + Field Inspection & Assessments
- + Detailed Lessons Learned & Improvement Plans

## Monitoring & Diagnostics Center:

PSM provides engineering and operational support in troubleshooting issues outside of the normal inspection periods. The support includes staff located in Jupiter, FL, or in Baden, Switzerland, supporting the monitoring function on a 24-hours-a-day, seven-days-per-week basis. The monitoring center personnel have the capability to perform an analysis of the cause of issues and to provide recommendations on how to solve the issues in the short term. If applicable, a recommendation for a longer term can be provided.

The data collected from the Monitoring & Diagnostics Center is essential in the tracking the history of parts and providing the essential functions required for long-term planning. The Monitoring Center function includes data analysis and trending for the following gas turbine parameters:

- + Combustor Dynamics
- + Blade Path Spread
- + Exhaust Gas Temperature Spreads
- + Fuel Gas/Oil Temperature
- + Bearing Temperature & Vibration
- + Compressor Discharge Temperature & Pressure
- + Inlet Guide Vane Position
- + Turbine Speed
- + Compressor Inlet Temperature
- + Alarm Displays in the DCS
- + Row 0 Vibration Monitoring

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