

# Long Term Agreements

Comprehensive Solutions for Optimized  
Gas Turbine Performances



PSM's Long Term Agreements optimize gas turbine performance with flexible solutions, reducing costs, extending maintenance intervals, and enhancing reliability.

# Long Term Agreement (LTA) Portfolio

## The PSM LTA Portfolio offers:

- + Competitive parts life guarantees
- + Minimal parts fallout
- + Coverage during unscheduled inspections
- + Inventory control
- + Proactive contract management for comprehensive coverage

These agreement offerings are designed to optimize your maintenance budget effectively.



## Scope of Supply — Based on Customer Requirements

The customer determines the scope of Long Term Agreements, ranging from full-service offerings to pricing agreements. Services offered by PSM within a Long Term Agreement include, but are not limited to:

- + 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

## Parts Supply:

PSM provides cutting-edge engineered parts throughout the agreement's duration, utilizing existing OEM components where applicable. We offer the latest durability and performance upgrades over the contract's lifespan. Our Long Term Agreement includes the following Parts Supply Services:

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



## Reconditioning:

Located at our home in Jupiter, FL, PSM provides Reconditioning Services for all program parts in our 76,000 square foot ISO-qualified facility. Our comprehensive services includes:

- + Engineering Expertise
- + Latest Qualified Procedures and Processes
- + State-of-the-Art Equipment
- + On-site Warehouse for Spare and Emergency Parts
- + Fuel Nozzle Overhaul with Flow Testing
- + Metallurgical Laboratory





## Field Services:

PSM offers a fully integrated outage team of experienced professionals capable of executing overhauls efficiently, safely, and with high quality. Our Field Services support a wide range of power generation equipment, including gas turbines, generators, steam turbines, and auxiliary equipment. Our 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 24/7 engineering and operational support for troubleshooting issues outside normal inspection periods. The support team, based in Jupiter, FL, analyzes the causes of problems and offers recommendations for both short-term solutions and long-term improvement.



The Monitoring & Diagnostics Center collects essential data for tracking part histories and facilitating Long-Term Planning. The center's functions include data analysis and trending for the following Gas Turbine points:

- + 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
- + R-0 Vibration Monitoring

# PSM - A Hanwha Company

The growing interest in the hydrogen economy is driven by the need to address climate change and transition to sustainable energy sources. However, challenges remain, including high production and storage costs, and extensive infrastructure requirements for distribution and transportation.

As a Hanwha subsidiary, PSM is uniquely positioned to leverage the expertise and resources of the Hanwha family to accelerate hydrogen development and adoption as a clean energy source. Hanwha's global presence and diverse business interests in areas like solar energy and defense provide PSM access to a wide array of technologies, markets, and partnerships.

Collaboration with Hanwha Q CELLS, a leader in large-scale solar projects, enables PSM to integrate hydrogen production with solar energy systems, fostering more sustainable and efficient energy solutions.

## Flexible Agreements — Tailored to Customer Needs

PSM offers a flexible concept for Long Term Agreements that focuses on your specific requirements. We recognize the dynamic nature of market conditions and are prepared to adapt our offerings accordingly. Each agreement aims to provide competitive pricing while leveraging PSM's comprehensive portfolio. Our agreements can be structured to encompass not only the gas turbine but also the generator, steam turbine, and respective auxiliaries.

### Types of PSM Service Agreement Offerings

Included Product Offerings	Long Term Agreement (LTA)	Long Term Maintenance Agreement (LTMA)	Frame Agreement
Parts Supply	✓	✓	✓
Reconditioning	✓	✓	✓
Field Services	✓	✓	Optional
Monitoring & Diagnostics (Remote Monitoring)	✓	Optional	Optional
Contract Manager	✓	Optional	Optional
Inventory Management	✓	✓	Optional

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