PERFORMANCE SERVICES







Over 400 clients, 90 countries, and more than 30 years in the turbine industry.





DYNAFLEX PERFORMANCE™

TTS' platform that provides operators a wide range of products and services that maximizes gas turbine output and efficiency, optimizes DLN combustor dynamics and emissions, and enhances operational *flexibility*.

Before a DynaFlex solution is proposed, we recommend:

- Our engineers review your needs
- Help establish your goals
- Tailor a solution that specifically addresses:
 - Your unit's operating parameters
 - o Plant requirements
 - o Business objectives.

All of the DynaFlex services apply to one or more of the following GT models and combustion systems:

- 7FA DLN-2.6
- 6FA DLN-2
- DLN-2.6
- 9FA DLN-2+
- DLN-2.6+
- 7EA / 6B / 5P DLN-1





DYNAFLEX KEY SERVICES & BENEFITS



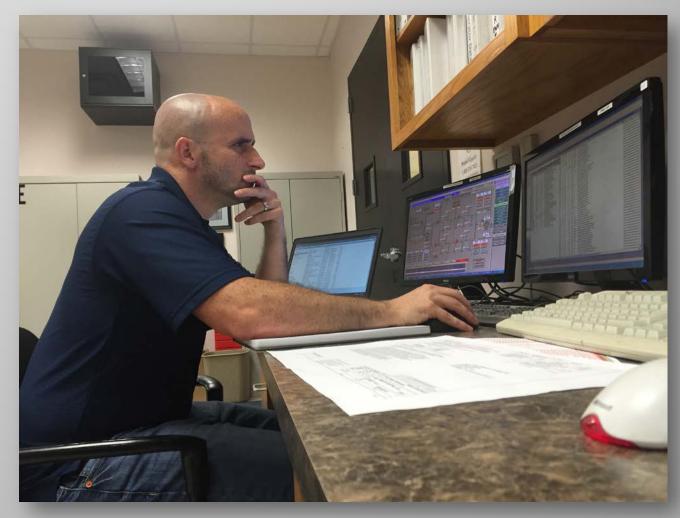
Key Platform Services	Benefits
Maximizing Base Load Output and Efficiency	 Reduced fuel costs Increases revenue generation No impact on rated parts life
Improve Load Flexibility	 Increase peak capacity (as much as 2.5% above base load for an F-Class and 5% for E-Class) and efficiency Extend turndown to lower loads (10+% for F-Class)
Fast Start Program Processes	 Improve plant start-up processes to capture potential new revenue and cost savings Implement upgrades for Purge Credit to save 12-15 minutes in start-up times for combined cycle plants and reduce start-up times to base load to 10 minutes for simple cycle E-Class gas turbines No impact on start-up reliability
DLN-Auto-Tuning for Seasonal and Load Variations	 Maintain emissions compliance in response to life cycle degradation, ambient variations, and fuel/Wobbe Index fluctuation Reduce Lean Blow Out (LBO) trips Reduce dynamics, extend parts life Enhanced response timing to changing conditions/demands





DLN PRODUCTS & SERVICES

- Auto-Tuning
- Operational Troubleshooting
- DLN Tuning, Post-outage or Seasonal (On-site or Remote)
- CDMS (Portable or Permanent)
- DLN Training







OPERATIONAL FLEXIBILITY & PERFORMANCE SERVICES

- Fast Start Program (Any Turbine Model)
- Base Load Performance Optimization
- Load Turndown Optimization
- Peak Fire Operation
- Adjustable Peak Firing
- Cold Weather Optimization











- Fogging/Wet System Optimization
- Control Curve Evaluation and Design
- Plant Performance Assessment and Evaluation
- Plant Performance Testing and Consulting
- Life Cycle AGP Upgrade Evaluation 7F .03 to 7F .04
- Correction Curve Development







We know gas turbines.

