

## Control Systems Troubleshooting and Calibration

Don't leave your control system troubleshooting and calibration to the inexperienced. When your gas turbine is down or on a tight turnaround there is no room for "on the job training."

TTS has over 25 years of experience in supporting gas turbine users worldwide. Our controls engineers are OEM trained and are highly qualified and experienced. We have the capability to support, modify and reapply GE Speedtronic™ Mark I, Mark II, Mark IV, Mark V and Mark VI systems and Westinghouse WDPF and Ovation systems.

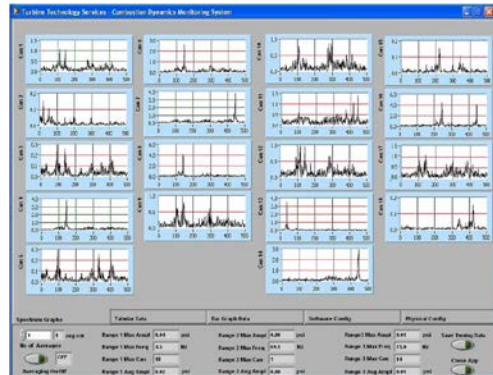


## Unit Assessment and Performance Optimization Program

Whether you are experiencing a gas turbine performance issue resulting from normal operational degradation or a post-outage performance loss, TTS has the expertise necessary to identify and address the problem. TTS employs sophisticated cycle analysis and modeling software to evaluate turbine data. This analysis results in the identification of specific causes and the necessary corrective actions for rapid unit recovery.

## DLN Emissions and Dynamics Tuning

DLN combustors involve the complex interaction of multiple fuel systems, changing ambient conditions, stability limits, emissions, and dynamics. High dynamic levels in an improperly tuned system can result in accelerated component wear, liner and transition piece cracking or failure. TTS' expertise and extensive experience tuning GE DLN combustion systems results in optimized NOx and CO emissions while minimizing dynamic levels and maximizing the life of components.



## Start-Up Commissioning Services

Whether it is a new plant start-up, unit relocation or post maintenance activity, Turbine Technology Services can provide all expertise and equipment needed to commission your gas turbine plant. TTS can provide personnel with the experience needed to start up and commission your high and low voltage systems, generator control and protection, gas turbine control systems as well as all auxiliary systems.

## Technical Direction

When it comes to overall gas turbine knowledge and experience, TTS is an industry leader in after market gas turbine support. Our technical directors have an extensive knowledge in mechanical, electrical, controls and support systems for many gas turbine manufacturers and models from the mature fleet to the most advanced models. We provide a complete integrated and tested solution for our customers.



FIELD SERVICES