The long proven Ansaldo Energia AutoTune application for the GT26 increases the flexibility of your power plant while improving efficiency and power output. Fully retrofittable, it requires minimum downtime to install and allows versatile integration with existing plant infrastructures. AutoTune is a proven concept, with self-learning logic, implemented externally to the control system. It automatically tunes engine operating parameters to maintain emissions and pulsation within specified limits under varying ambient conditions, engine deterioration, and while using a range of natural gas.

AutoTune also has optional software features to optimize unit operation from a power and heat rate standpoint.

How You Benefit

AutoTune improves the performance and reliability of every GT26 in the fleet. It is especially appropriate for plants with seasonal or daily variations of ambient conditions, for users who can profit from increased power output or need to optimize emissions, pulsations and performance and enhance availability during C-cycles.

**CUSTOMER BENEFITS**

- Improved emissions control year round
- Increased power output
- Self-learning and adjusting tuning logic
- Reduced risk of Lean Blowout unit trips, improving parts lifetime
- Elimination of manual tuning during C-cycles
- Extended hardware life
- Safe and reliable stand-alone system with 40+ installations

**TECHNICAL FEATURES**

- Contains a fully functional combustion monitoring system
- Industrial grade electronics
- Seamlessly integrates with HMI screens
- Compact, integrated, rack-mounted system with simple installation
- Easy-to-use operator interface, training provided
Technical Specifications

After the execution of an inspection, the GT26 is adjusted to comply with emission and pulsation limits and performance requirements.

Over time, the natural degradation of components leads to changes in the operating parameters of the engine and causes the need for engine readjustments during maintenance windows to stay within the design operating boundaries.

AutoTune eliminates the need for readjustment by continuously monitoring the parameters of the engine and automatically processing and communicating the new settings to the GT Control system. Over time, AutoTune remembers the best settings for different combinations of inlet conditions, fuel properties and loads, reducing the number of tuning events necessary.

AutoTune continuously monitors key alarm levels to ensure that any drift over time of signals that can lead to trips are handled prior to exceeding the alarm levels. Thanks to this, the consumption of components’ lifetime (and EOH) is reduced and subsequently the operating and maintenance costs go down.

Additionally, AutoTune can be optimized for heat rate and hot tones with the optional software components Power+ and Peak+, allowing the operator to increase plant power output up to 10 MW, to allow capturing market spikes while maintaining emissions and pulsations within limits.

Offering improved power output, better combustion stability, increased reliability, lower emissions all year round and lower minimum environmental loads, for improved emissions control, improved hardware life, and improved operability of your GT26.

For more information and to reach our sales Team, please go to www.AnsaldoEnergia.com

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