

# Gas Turbine Ignition Systems

## GET MORE RELIABLE PERFORMANCE THAN YOU'RE GETTING FROM YOUR OEM IGNITERS.

Whatever type of gas turbine you have—from microturbines to large-frame utility turbines—upgrading the performance and reliability of your ignition system is easy. Simply replace the OEM ignition system with a High Energy Ignition (HEI) System from Chentronics.

Our High Energy Ignition System delivers unparalleled reliability and repeatability for all gas turbine applications including dual-fuel and on-demand (peaking) plants. In addition, it features **fully integrated predictive diagnostics** that alert you prior to an ignition fault occurring so you can replace the igniter tip *before* that happens. With a Chentronics HEI System, you can avoid missed starts and costly downtime.

### AT A GLANCE.

Our High Energy Ignition System is packed with features for unbeatable performance in gas turbines.

- Built-in predictive life diagnostics
- Unsurpassed fuel-type diversity
- Sparks-per-second (SPS) optimized for different fuels
- Pressure seal of igniter tips and cables
- Hazardous area rating
- AC and DC input power options
- ETL listed, complies with CE, UL, CSA, options for ATEX
- Solid-state technology

**When it comes to ignition on your gas turbines, a Chentronics HEI System lights better and costs less. Call us today.**



## Chentronics HEI System

### DUAL-FUEL RELIABILITY

Chentronics HEI Systems have been proven in thousands of gas turbines worldwide—many of them dual-fuel. This extensive field experience, coupled with years of ignition research and development, offers us a unique insight into the challenges of lighting multiple fuel types. As a result, our HEI Systems are calibrated to the exact number of sparks-per-second required for dual-fuel lighting, so you get reliable ignition without having to change a single setting.



The best way to maintain ignition reliability for your gas turbines is to know when ignition faults are going to occur so you can replace the igniter tip before that happens. Chentronics ignition solutions include fully integrated predictive diagnostics so you can do just that.

## HARDWARE SPECIFICATIONS.\*

**System Model:** LO-4

**Suitable Fuels:** Gas, light oils, bio diesel

**Diagnostics:** Built-in predictive life diagnostics

**Moisture Protection:** Moisture seal available

**Solid State Electronics:** Internal electronics are rated Class 1, Division 2

**System Input Power:** 100-240 VAC 50/60 Hz

**Stored Energy (Joules):** 12

**Spark Rate (nominal SPS):** 4

**Typical Exciter Size:** 11 x 7 x 7 in. (279.4 x 177.8 x 177.8 mm)

**Igniter Temperature Rating:** Up to 1,832°F (1,000°C)

**Exciter Temperature Range:** -13 to 167°F (-25 to 75°C)

Available with a single- or dual-output exciter and a variety of igniter tips.

\* Specifications subject to change at any time.



Single-output exciter



Dual-output exciter



Igniter tips

**Chentronics**  
IGNITING INNOVATION

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