



COMBUSTION SOLUTIONS

PTW Energy Services assists clients to maximize efficiencies and achieve environmental targets by providing natural draft heater controls, equipment upgrades and preventative maintenance programs. PTW's highly skilled and dedicated team delivers unparalleled safety, quality and reliability to ensure we exceed our clients' expectations every time.

FEATURES

High Efficiency Burner Management Systems

- Meets the requirements of CSA B149.3 and NFPA 87 codes
- Vendor neutral integrator committed to supplying high quality products and services
- Safe and reliable ignition and monitoring
- Innovative, complete pre-assembled BMS packages
 - Assembled and tested in-house for quick installation
- Flame profiling to maximize heat transfer
- No flame lift-off/impingement

Combustion Optimization

- Increased vessel process capacity
- Lower maintenance costs
- Reduced downtime and fuel consumption
- Reduced emissions (low CO, low NOx, decreased CO₂)
- Extremely low NOx burner solution (<35 lbs NOx/MMSCF natural gas)
- Wet fuel gas freeze protection solutions

Packages

- Flame arrestor, fuel train and BMS
- Completely assembled and ready for installation
- Pressure tested and pre-wired
- Heat trace and pre-heater available
- Retrofit/equipment upgrade available (utilizes existing flame arrestor)





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VALUE-ADDED BENEFITS

- Maximized efficiencies yield impressive cost savings
- Positive environmental impact
- Efficient and clean operation increases longevity of equipment
- All components of the burner management systems meet the requirements of the B149 series of codes and any applicable international regulations
- Detailed combustion reporting can be utilized to review history of preventative maintenance or upgrades completed for each burner
- We openly disclose safety, quality and production updates to display PTW's value as a best-in-class service provider



APPLICATIONS/SERVICES

- We can customize our services to achieve our clients' unique requirements:
 - Existing equipment assessments to identify improvement opportunities
 - Equipment start-up and commissioning
 - Complete system installation — from concept to completion
 - Preventative maintenance programs for optimal performance and 24/7/365 technical support
 - Post-installation fuel gas savings and emissions reduction reports
 - Assist with site specific inspections and CSA B149.3 field approvals
- Safety is of utmost importance at PTW — all employees strictly adhere to all regulations and PTW's comprehensive health and safety program
- PTW's combustion specialists are trained and accredited by our internal combustion training and competency program

