



STERLING

COMBUSTION

ENERGY EFFICIENT COMBUSTION SYSTEMS

Since 1980, Sterling Combustion's hands-on management team, backed by a staff of professional engineers and support technicians, has delivered turnkey boiler installations and efficiency upgrades. We design, engineer, install, and maintain state-of-the-art systems for commercial heating and industrial process applications.



With a focus on efficiency, our systems are environmentally friendly, helping you comply with increasingly stringent emissions standards while realizing significant savings in fuel costs.



CHALLENGES AND OPPORTUNITIES

Your business is faced with unprecedented challenges and unequalled opportunities.

To support Canada's international commitments, provincial governments have set aggressive targets for the reduction of greenhouse gas emissions that will undoubtedly lead to hard caps on industry. Meanwhile, fuel costs are skyrocketing. In the last ten years, the price for natural gas has doubled, while the price for No. 2 heating oil has more than tripled. Further, safety costs continue to rise; the Workplace Safety and Insurance Board of Ontario estimates that the average lost-time injury in 2006 cost \$98,000.

Sterling Combustion stands ready to help you make the best of these developments with custom engineered packaged boilers and efficiency upgrades, providing tremendous savings in fuel costs and corresponding reductions in emissions. Additionally, a properly designed and maintained burner that meets all local codes and standards provides a safer work environment.

ENGINEERED EFFICIENCY

Sterling Combustion maintains a staff of dedicated professionals who will conduct a detailed site survey and analysis of your requirements, tailoring a packaged boiler configuration - including burner, control system, and all accessories - to suit your needs.



We also provide efficiency upgrades on existing burners, installing microprocessor-based linkageless controls and monitoring systems to achieve optimum air-to-fuel ratios, reducing fuel consumption - and emissions - by 4% to 12%.

Once a packaged boiler or upgrade is in place, Sterling Combustion's licensed and experienced



technicians provide full commissioning services, documenting the system, ensuring the facility performs according to all

specifications, and training your operations staff.

COST-SAVING TECHNOLOGY

As a certified Autoflame Technology Centre, Sterling Combustion delivers the best in state-of-the-art burner/boiler control technology.

Using Autoflame microprocessor-based linkageless control systems and exhaust gas analysis, our packaged boilers and efficiency upgrades maintain commissioned combustion values irrespective of environmental changes. This precise control ensures complete combustion and maximum efficiency.

To oversee these systems, Sterling Combustion designs combustion systems specifically for each application. Available options include:

- Remote or burner/boiler mounted control and surveillance stations
- Electronic burner/flame management
- Air-to-fuel ratio controls
- Variable speed combustion air controls
- Safety alarms and information
- Boiler sequencing
- Fuel flow metering
- Flue gas analysis
- Feedwater level controls



PROVEN PERFORMANCE

Proof of Sterling Combustion's expertise is their ever-growing list of satisfied customers. Successful projects include:

- District heating facilities
- Building central heating
- Steam plants
- Process industry applications
- Efficiency upgrades

Contact Sterling Combustion for specific installation references or to arrange a site visit with one of our customers.

Sterling Combustion's products and services are fully compliant with all applicable codes and regulations.



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