

"BURNING WITH INTELLIGENCE!"



CHALLENGING TIMES CALL FOR INNOVATIVE SOLUTIONS

In 2009 we find ourselves in very challenging times, as the global economy weakens there is ever increasing pressure to tighten our belts and adopt a more cautious approach rather than invest in new plant. However, financial crises are temporary phenomena that come and go whilst protecting our planet is a duty for all generations. The problem that this poses for most Plant Managers is whether it is possible to reduce running costs and emissions with minimal investment in new plant, thus satisfying both the Financial and Energy Managers.

Autoflame Engineering has been providing the solution to this very issue since inventing the worlds first electronic fuel/air ration control back in 1984. Their Micro Modulation System offers highly accurate microprocessor control of the combustion process that can be retrofitted to any burner. Cost savings are achieved by burning less fuel more efficiently which also equates to significant emissions reductions.

Mechanical systems that traditionally use cams and linkages to characterise the fuel/air ratio with their inherent hysteresis can never achieve the sort of sustainable accuracy required to maintain optimum combustion and fuel efficiency. The Autoflame system directly controls the fuel/air ration to optimise performance as well as maintaining the set-point temperature or pressure.

Using the Autoflame Emissions Calculator, realistic fuel savings and emissions reductions can be calculated in advance to demonstrate how effective the system can be. With fuel savings typically in the region of 8-12% and an average payback time of less than 18 months, it is little surprise that international industry leaders such as **Intel** and **MGM** now specify Autoflame as standard at their plants worldwide.



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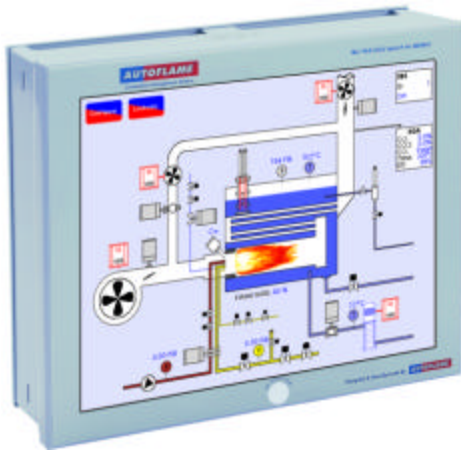
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To further optimise combustion performance the Autoflame system combines the precise fuel/air ration with the Exhaust Gas Analyser (EGA), to monitor, trim and log the O₂, CO₂, CO and NO_x emissions.



Autoflame are also excited to announce that the latest version of their Micro Modulation and EGA systems are to be released this month. The Mk7 MM and EGA systems use the proven technology of the Mk6 system to provide significant savings whilst improving the functionality and user interface in the form of a touch screen display.

The company has been at the forefront of the burner control industry for over 35 years which has been recognised by receiving 3 Queens Awards, the most recent being for Innovation in 2007, and the holding of seven worldwide patents. Autoflame also provides comprehensive servicing through its engineering group and Worldwide Technical support Centres, giving confidence that systems will receive the highest level of support. It is this dedication to innovation, service and excellence that has made Autoflame the world leader in Combustion Management Systems.

For a FREE energy audit of your combustion system, please contact Grant Renecke at Combustion Technology (PTY) LTD on +27 21 715-3171, or email grant@rielloburners.co.za

AUTOFLAME
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