



Leading Law Firm Saves Up To 32% With Autoflame Retrofits

Freshfields Bruckhaus Deringer are a leading international law firm and were the official legal services provider for the London 2012 Olympic Games. With over 2,600 lawyers in 27 business centres around the world they work with clients throughout Europe, the Middle East, Asia and the US.

Freshfields are committed to reducing their carbon footprint and ensuring their facilities are operating responsibly. They are part of the Governments Carbon Reduction Commitment Scheme (CRC), which focuses on reducing UK Carbon emissions, and they hold a Carbon Trust Standard for their efforts. Since embarking on an energy efficiency project with Autoflame, they are enjoying impressive savings across both of their boiler houses of 25% and 32% respectively.

Freshfields invited Autoflame to conduct an energy efficiency survey for 6 of the boilers at their London offices. Based on combustion figures provided by the client and a site survey conducted by a team of specialist engineers, the potential was identified for fuel reductions in the range of 10% and the decision was made to work with Autoflame to achieve these savings.

The project commenced during the month of November when demand on the boiler plant is usually at its peak. A swift installation was required to avoid disruption to the building services and Autoflame engineers worked hard to deliver these project requirements. Three Limsfield LCNP15 Pod Burners were installed in each of the two boiler houses and integrated with the Autoflame Mini Mk7 Combustion Management System, which includes UV Flame Sensors to monitor the presence of a flame and innovative gas and air servo motors for precise control of the fuel going into the burner.

Existing Equipment:

Two inefficient boiler houses

Solution:

Three Limsfield LCNP15 Pod Burners with Autoflame Mini Mk7 Control System including UV Flame Sensors

Benefits:

- Energy and cost savings
- Reduced operating costs
- Reduced carbon footprint
- Intelligent Boiler Sequencing
- Increased combustion efficiency
- Savings of 25% and 32%



Before Installation



After Installation

The original burners were sequenced and controlled via the existing Building Management System (BMS). As part of this energy saving project the new burners were sequenced directly using Autoflame's own Intelligent Boiler Sequencing (I.B.S) facility, which is a function that is supplied as standard on all Autoflame equipment. I.B.S. controls the number of boilers that are operating based on hot water demand. If demand is low, one boiler is automatically switched off, thus reducing boiler cycling which leads to increased fuel savings and extends the life of the boilers.

Over the first 4 months Freshfields enjoyed savings across both boiler houses of 25% and 32% - exceeding original projections and affirming the advantages of the Autoflame Limpsfield system.



Autoflame operates worldwide with 60+ technology centres performing installation and support. Founded in 1972, Autoflame is a British manufacturer based near London. It ensures industry-leading quality control and innovation by performing in-house R&D, engineering, software development, manufacturing production, and technical support.



Pod Burner With Mini Mk7

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