



# contract report



**Customer:**  
Charles Darwin School

**Location:**  
Biggin Hill, UK

**Boiler Type:**  
Potterton - NXR-4

**Burner Model:**  
LCN15

**Fuels:**  
Natural Gas

**Fuel Savings:**  
27%

A no obligation survey was performed free of charge to determine how efficiently the plant was operating. A report was provided to the school outlining efficiency and emissions levels, highlighting where savings could be made and recommendations to achieve the savings.

Based on the information collected during the survey, a quotation was prepared for the customer. This included the supply of 3 off Limpsfield High efficiency burners complete with burner mounted Mini Mk5 control units with a predicted annual fuel saving of 12%

With fuel costs increasing the school identified a need to update the current boiler plant to increase reliability and reduce fuel use.

The existing Riello burners were replaced with high efficiency Limpsfield burners equipped with Autoflame's Mini Mk 5 Evo burner controls. This sophisticated system accurately controls the fuel and air ensuring that combustion efficiency is always optimised – minimising fuel use. Installation took place during term time and was straightforward with a dedicated Project Manager overseeing the work and liaising with the school throughout.

**27% gas saving** was achieved by Limpsfield high performance burners with intergrated Autoflame Combustion Management systems.



Before Installation



After Installation



*"We are delighted with the energy savings that the project has delivered, the upgrade was very straightforward and the combustion efficiency report helped us understand the inefficiencies of our old system and how savings could be achieved. Using a government energy efficiency loan scheme we were able to fund the recommendations without using our capital budgets. Equipment was installed during term time with minimal impact on the school and consideration of our heating needs. The burners and controls have operated seamlessly. The solution has not only met our environmental objectives and helped reduce our fuel costs, but has given us improved reliability and reduced maintenance costs. We would not hesitate in recommending Autoflame to other Educational establishments or companies."*  
**Paul Garrett, Network and Resource Manager**

For more information on the Limpsfield burner range, please do not hesitate to contact us.



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