

Case study – St Peter's School



**Health & Safety
Compliance**

Gas Services

Keeping people safe
where they live, work
and play

Connaught saves school from being left out in the cold

30% reduction in energy use

Reduction in future maintenance costs

Integrated health and safety services

The client

St Peter's School is a co-educational boarding and day school for children aged 3 to 18, situated in the historic City of York. It is one of the oldest in the UK, dating back to 627 AD.

The problem

The school's old boilers were struggling to meet all its hot water and heating needs. The 600kw gas boilers were highly inefficient, producing costly energy bills and having to operate all summer long, just to supply the kitchen with hot water.

The age of the boilers also meant that more maintenance was required to keep them safe and operational – resulting in high maintenance costs. Both the hot water and heating were being supplied in combination by the old boilers, meaning that there was no back-up facility, so a breakdown and the associated downtime could have resulted in the school having to close or lose its catering services.

“Connaught Gas is certainly our preferred gas maintenance and installation company.”

G Fennell
Estates Manager – St Peter's School

The solution

We identified and minimised risks

We assessed the school's heating and hot water requirements and proposed a solution that met their usage requirements efficiently, provided the latest monitoring systems and fulfilled their health and safety compliance obligations.

Our recommendation involved separating the hot water and central heating systems, with each supply being fed by two boilers – creating back-up in each system. The hot water system was supplied by two gas-fired high efficiency Lochinvar Turbo Charger condensing water heaters and the central heating was provided by two Broag Gas 210 high efficiency gas-condensing boilers.

The results

We removed avoidable costs

By installing new, more efficient boilers, we provided the school with a number of long-term cost benefits, including:

- Fuel efficiency gains of 30% – resulting in significant fuel savings
- Reducing future maintenance costs due to increased reliability
- Removing unnecessary energy usage with a separate central heating system that can be shut down in warmer weather
- Reducing disruption costs by creating back-up capacity in an already more reliable system



We improved business performance

We ensured that the continuity of hot water and heating supply benefited school operations in a number of ways:

- The capacity for back-up significantly reduces the risk of school closure through loss of heating facilities – avoiding inconvenience for pupils, parents and staff
- Continuous hot water is available, improving productivity in the kitchens
- The new boilers are smaller, quieter to run and feature modern electronic controls for ease of operation

We keep people safe where they live, work and play

Connaught's Gas Services team found a solution that keeps the children and staff of St Peter's School safe, warm and well-fed, while saving money and assuring the smooth running of essential services.

Connaught's integrated health and safety services will identify and minimise your risks, remove avoidable costs and improve your business performance.

Contact us on **0844 335 0135** to discuss how we can meet all your health and safety requirements.

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