

APPLETON ROEBUCK PRIMARY SCHOOL

YORK



G&H

PROJECT TITLE

Appleton Roebuck Primary
School

SERVICES

Air Source Heat Pumps (ASHP)

CONTRACTOR

BTG Eddisons

CLIENT

Yorkshire Learning Trust

PROJECT OVERVIEW

Appleton Roebuck Primary School's ageing oil-fired boiler system had become increasingly unreliable, with frequent breakdowns causing fluctuating classroom temperatures and disrupting pupils' learning. Recognising the need for a modern, sustainable solution, Yorkshire Learning Trust worked in partnership with BTG Eddisons to secure funding through the Salix Public Sector Decarbonisation Fund.

Following a competitive tender process, G&H was appointed to design, install, test, and commission a low-carbon replacement - a new ASHP system. The upgrade centred on three Vaillant AroTherm Plus heat pumps delivering a combined 36.3kW capacity, replacing the inefficient oil-fired boiler entirely.

HEADLINES

- New Air Source Heat Pumps (ASHP) to deliver low temperature hot water (LTHW)
- New reliable heating system provides an optimal learning environment for the school's circa 100 pupils
- Lower carbon footprint



SOLUTION

G&H delivered:

- **Mechanical Installation:** Installation of ASHP units and new mechanical plant to deliver a fully functional, energy-efficient system.
- **Pipework Installation:** Modification of the existing Low Temperature Hot Water (LTHW) pipework to align with the new system and technical design requirements.
- **System Integration:** Replacement of the basic legacy control system with a modern heat pump control platform.
- **Testing & Commissioning:** Comprehensive integrity, performance, and safety testing, including pressure tests and full functional checks of all control and safety devices.
- **Documentation & Handover:** Delivery of complete project documentation, including test results and commissioning reports. G&H also provided full training for school staff to ensure they could operate and maintain the new systems with confidence.

"As contract administrator, BTG Eddisons were pleased with the quality of the works undertaken by G&H. They acted efficiently and professionally throughout the project which contributed towards the success of the scheme."

Angus Ellwood, Graduate Building Surveyor, BTG Eddisons

"G&H delivered an excellent standard of service during the ASHP works completed at Appleton Roebuck Primary School. As a long-standing client, we continue to be impressed by their efficiency and commitment to completing work to a high quality. Their reliability makes them a valuable company to work with, and we look forward to collaborating with them on future projects."

Rob Holah, Head of Estates and Facilities, Yorkshire Learning Trust



THE RESULTS

The project has provided the school with a reliable, sustainable heating system that supports a comfortable learning environment while reducing carbon emissions and long-term energy costs.

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