



JT EDWARDS LTD

Building Results In Education

Project Summary

Park House School, under the aegis of Greenshaw Learning Trust, embarked on a transformative project to refurbish its LTHW heating system, incorporating state of the art green technology with an Air Source Heat Pump, and optimised electrical infrastructure. This project stands as a landmark in the UK's educational sector's move towards decarbonisation and energy efficiency.

Objectives and Challenges

- **Objectives:** To overhaul the school's heating and hot water systems for enhanced efficiency, sustainability, and reduced carbon footprint, integrating new emitters and transitioning to Air Source Heat Pump technology.
- **Challenges:** Implementing a comprehensive refurbishment within an operational large secondary school, managing complex groundworks, and integrating new technologies with existing infrastructure without disrupting school activities.

Solutions and Execution

- **Innovative Green Technology:** The introduction of high efficiency green technology, including smaller, more efficient boilers and a fully integrated Air Source Heat Pump, marked a significant step towards decarbonising the school's heating system.
- **Electrical Infrastructure Overhaul:** New infrastructure for electrical distribution was developed, including close coordination with the DNO for reviewing incoming electrical services, ensuring the project's viability and sustainability.
- **Team Collaboration:** Led by Joe Dixon and supported by Arthur, Andy, Dave, and Laura from the office, the project benefited from a multi skilled team's expertise. Close working relations with Barkers, the managing consultant, facilitated seamless project execution.



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Results

- Decarbonisation and Efficiency: The project successfully transitioned Park House School to a more sustainable heating system, significantly lowering carbon consumption and future operational risks.
- Educational Benchmark: With fabric alterations carried out by another contractor, the project not only futureproofed the school but also set a precedent for other institutions transitioning to electrification of heating systems.
- Expert Management: Full JTE management, including planning, design, and execution, underscored the project's status as one of the UK's most significant green technology integrations in the educational sector.

Completed 2024

