



The Farnborough Academy

Market Sector: Education

Client: Nottinghamshire Local Education Partnership

Main Contractor: Caledonian

Project Value: £1.1m

The brief:

DEWCO were appointed by main contractor Caledonian for the full mechanical design and installation of this new Academy school; built from 141 modules and catering for 750 pupils in Clifton, Nottingham.

The project comprised of a complete off-site manufacture and onsite construction and fit-out package, comprising a full height assembly hall (portal frame), science labs, music rooms, dining hall and commercial kitchen plus all aboveground elements, including CHP, underfloor heating, and all interior fit-outs.

The building achieved outstanding air permeability results and highly energy efficient – with an air tightness level of 4.11 m³/m² per hour for a 7,453m² building with large open spaces and assembly hall.

This project was awarded the 'Education Building of the Year' by Builder and Engineering magazine, a publication primarily focused on the traditional build market.

Our services:

- LTHW Heating
- LTHW Trench Heating
- Gas Fired Radiant Heating
- Comfort Cooling
- Mechanical Heat Recovery Ventilation
- Mechanical Extract Ventilation
- Natural Ventilation
- BMS System
- BREEM Rating: Very Good