

The Kings CE School

PROJECT NAME:
The Kings CE School

CLIENT:
Dodd Group

MARKET SECTOR:
Academic

CONTRACT TYPE:
New Build

CONTRACT VALUE:
£145k

Opened to students November 2016, the newly rebuilt Kings CE School with capacity for 900 pupils formed part of the governments Priority School Building Programme aimed at the rebuilding or refurbishment of 537 schools nationwide using £4.4bn of public and private funding.

The school, completely rebuilt at an overall cost of £14m comprises some 7,200 sq metres spread over 3 storeys housing classrooms, science laboratories, technology workshops, computing suites, sports hall, dance studio and changing rooms. It also incorporates a community hub including dining spaces, a bistro kitchen and a hair and beauty salon.

Palcon Energy Services Ltd, working strategically with Dodd Group and principle contractor Interserve were appointed to deliver the design and installation of the building management system to serve the new building.

Built around Trend IQ4e controllers, the design incorporates 2 MCP control panels to take control of the heating and ventilation systems throughout the building comprising a conventional gas to radiator system zoned heating system to serve communal and academic areas, underfloor heating serving the main dining area and natural ventilation in the Sports Hall.

Ventilation to key areas of the building including the Kitchen, Main Hall, Bistro and Dance Studio is provided by Nuair air handing units directly connected and controlled via the Trend BMS system.

Classrooms fitted with Nuair MVHR heat recovery units providing environmental temperature control are integrated back the Trend MCP control panels and wall mounted Flamefast Co2 sensors in science classrooms, monitor and provide staff with traffic light indication of Co2 levels in the space.

Energy data for gas and water consumption is extensively monitored via the use of pulse meters and Synaps SIP modules allow for real-time reading of electrical circuits, all of which are accessible via the Trend operator interfaces fitted to the control panels.

The Kings CE School in Kidsgrove, developed under phase 2 of the PSBP West Midlands framework by construction group Interserve, has seen Palcon Energy Services Ltd also successfully deliver a further 4 schools based around a similar scheme including, Turves Green Boys School in Northfield, Edward the Elder Primary in Wednesbury, Harvilles Hawthorn in West Bromwich and St Lawrence CE Primary Academy in Gnosall.

