



MECHANICAL & ELECTRICAL FIT OUT LONDON

Due to increasing demand for school places in the London Borough of Brent, JCA was appointed by one of the primary schools in the area to carry out mechanical and electrical works to the new extension and refurbishment of the existing areas as part of a £7m expansion and refurbishment programme.

As the school was required to achieve an 'Excellent' BREEAM rating, renewable technologies were stipulated from the outset. These included the use of air sourced heat pumps for the heating system, sedum roofs, photovoltaic cells to feed electricity into the grid, as well as sun and wind catchers to provide natural light and ventilation. We have also introduced water and energy saving devices throughout the building. To provide heating for both the new build and refurbished areas of the school, we have installed a Daikin Altherma flex type air-to-water heat pump; this was the largest installation of this kind in the UK at the time.

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