

Case Study



St George's College achieves 67% annual lighting cost savings with LED lighting, controls and metering.

About St George's College

St George's College and Junior School is the largest Catholic co-educational day school in England and Wales within the independent sector with over 1,500 pupils aged 3 to 18 years old.

Benefits of Powercor's project



Gross savings:
£47,208 per year



Carbon reduction:
10 tonnes of CO2 per year



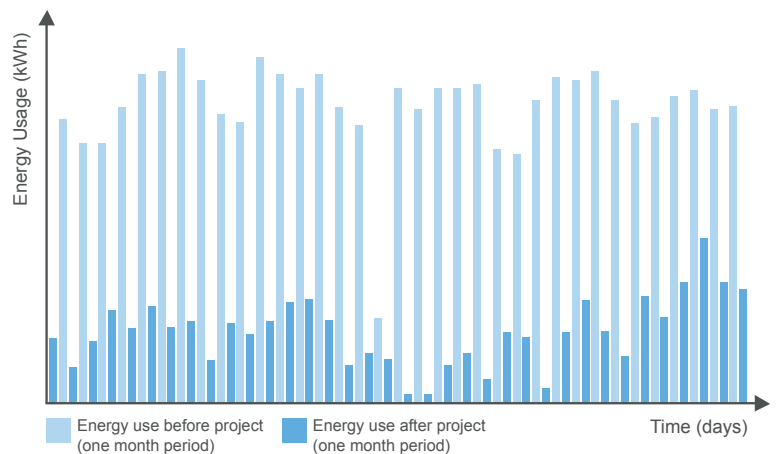
Lighting:
67% reduction in lighting costs



Compliance:
Emergency lighting, anti glare and illumination levels (Lux)

Summary of Project

St George's College were looking for a solution to their high energy costs, to increase sustainability and optimise the learning environment for their pupils. With Powercor, they have now reduced their energy bills by 67% through the implementation of LED lighting and controls, and automated metering which identified areas for significant cost savings.



Project

Customer Challenge

St George's College wanted to improve their energy infrastructure, sustainability and to reduce energy costs. Their challenge was to comply with emergency lighting regulations, whilst reduce energy waste by focusing on lighting, lighting control and consumption tracking via our metering and verification platform.

The Solution



Smart Metering and Targeting

Powercor implemented their award winning Smart Meter technology to capture energy consumption data. This technology reports their electricity, natural gas and water usage every 30 minutes in kWh, cost and CO2 emissions.



LED Lighting and Controls

Powercor identified an inefficient lighting installation and quickly highlighted savings opportunities. Powercor fitted a new LED lighting infrastructure including motion sensors to ensure that lighting is only used when needed. The automated meter technology enables St George's College to visualise and monitor the energy savings achieved.



Lighting compliance

Powercor delivered compliance standards for Emergency Lighting (BS5266), Illumination Lux Levels (CIBSE) and Disability and Discomfort Glare Rating (UGR). All 'Points of Emphasis' are now illuminated to ensure a safe evacuation in an emergency and desktop lighting levels are easily controlled with no discomfort to pupils or teachers.

Results

- **67%** energy cost saving.
- Total annual cost reduction:
£47,208 per year.
- CO2 reduction:
10 tonnes of CO2 emissions.

“ We are pleased with our energy efficiency programme - its impact and implementation by Powercor. ”

Errol Minihan - Facilities Manager & Health and Safety Chairman, St Georges College and Junior School

Contact us today to become energy efficient with fixed monthly payments and no upfront cost.

Powercor.co.uk | 01932 839 890 | sales@powercor.co.uk

Lighting and Controls | Automated Metering and Targeting | Power and Renewable Infrastructure | Safety and Compliance