CASE STUDY

Bishop Bewick Catholic Education Trust

Overview

Bishop Bewick CET is a community of 39 Catholic schools in Newcastle, North Tyneside and Northumberland and although it works as one Trust, all of its schools maintain their individuality, uniqueness and a great deal of autonomy.

Why?

A number of factors led to the decision to replace all mercury lighting with LED. Whilst it was an important pillar of their Net Zero strategy, failures of fluorescent bulbs were becoming problematic with issues on light quality, maintenance and replacements. In reaction to significant increases in energy cost the estates team accelerated implementation timescales.

> **"One of the main requirements was that classroom activity must not be disturbed so all activity was scheduled after school hours and during holidays'."**
>
> Ian Humphries, Energys Group

Why Energys?

Energys was successful in a competitive tender bid for 3 schools in March 2022 through YPO. The 'put customer first' approach and demonstrable understanding of their needs impressed the Buildings Management team, and our environmental credentials underpinned the quality of solutions recommended for the project. Amongst the primary objectives, the DAT team was keen to minimise energy usage whilst achieving the highest possible RoI both in the short and long-term. The Bishop Bewick team were highly satisfied with the delivery of the first 3 schools and this resulted in being selected to replicate the LED Lighting upgrades at 19 further sites with similar solutions.

Challenges

A key challenge was that any project works did not distract students; the BB implementation team specified the completion of works out of classroom hours and during holiday periods with the aim of completing all 19 Schools between March and September 2022.

Solutions

Energys prepared an analysis of long-term savings in carbon and cost achievable through its intelligent lighting solutions, IntelliDim. The technology also ensures all buildings are future proofed, with zero maintenance requirements. In line with the company's promise, we were prepared to guarantee the savings identified in the financial analysis and as a result this was specified across the project.



Projected impact

Project quantum	19 Academies in main project
Project Value	£464K
ROI	2.86 years
No of Lights Replaced	5048
Annual £ Savings	£162,079
Annual kWh Savings	675,329

elec rate is £0.45 per unit