



JT EDWARDS LTD

Building Results In Education

Project Summary

Confronted with the essential challenge of enhancing lighting efficiency across its facilities, Brimsdown Academy, a member of the IVY Learning Trust located in Enfield, London, initiated a comprehensive school lighting project. Ridge LLP was appointed to oversee the replacement and upgrade of the existing lighting system, focusing on high efficiency solutions to improve energy efficiency, safety, and overall lighting quality within the school environment. J T Edwards Ltd were appointed after a multi stage tender to deliver the works.

Objectives and Challenges

·Objectives: Implement a state of the art, high efficiency lighting system with advanced controls for improved energy efficiency, enhanced safety and evacuation routes, reduced carbon consumption, and lower electricity costs. The project aimed to enhance the quality of light for teaching and extracurricular activities, aligning with the School Eco Committee and Senior Leadership Team's vision to reduce carbon emissions and improve estate wide assets.

Challenges:

·Execute the project within the constraints of the multi-school tender agreement, ensuring minimal disruption to school operations while working within a tight budget and adhering to stringent safety and environmental standards.

Solutions and Execution

·Innovative Solutions: The project involved the installation of cutting edge, high efficiency lighting systems, incorporating advanced controls and designed to pre agreed specifications. This approach not only improved the lighting quality across the school premises but also ensured the lighting system was environmentally friendly and cost effective.

·Teamwork: A dedicated team, including specialists in lighting design and electrical engineering, collaborated closely with Ridge LLP, the School Eco Committee, and the Senior Leadership Team. This collaborative effort ensured the project's seamless execution, adhering to the project's objectives and specifications.

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·Environmental Consideration: The project utilised eco-friendly lighting technology and practices, such as controlled waste management and out of hours work, to minimise the environmental impact. The new lighting system was designed to reduce carbon emissions significantly and contribute to the school's sustainability goals.

Results

·Within Budget: Despite the operational challenges of implementing the project during school hours, rigorous site management, including traffic management and out of hours work, ensured the project's completion on time and within budget in 2024.

Completed 2024.

