

The Walnuts School in Milton Keynes is an all age community residential special school and Childrens Home currently catering for 175 pupils from foundation to year 14. All Pupils are on the autistic spectrum or have social communication difficulties.

Background

As a school and home for many of the pupils our initial survey gleaned that the lighting was not fit for purpose.

Broken lighting caused unnecessary distress for pupils who are particularly sensitive to their environment.

Despite being a relatively new building the school had a number of inefficient fluorescent fittings which the estates team were struggling to find replacements as they were no longer produced.



Solution

After going through a competitive procurement process, INECO were selected as they proposed a fully funded solution that saved the school money, improved the learning environment and reduced the schools carbon footprint.

After capturing all the relevant information, INECO's in-house design team specified a lighting solution that focused on providing the best learning environment for pupils & staff. LED's with a cooler colour temperature were specified to help aid productivity & concentration in the classrooms. Whilst, LED's with a warmer colour temperature were specified in bedrooms to aid rest & relaxation.

INECO worked with the school to install the solution with the least disruption possible as the school operates 24/7/365. The school building was installed outside of school hours from 4pm once the children had gone home. Whilst the home building was installed during normal school hours when the pupils were in school.

Circuit level monitoring was used to measure & verify the energy savings which were better than expected and have delivered much needed savings to the school backed by a 5 year parts & labour warranty.

Results

Energy Savings
71%

Carbon Savings
955 tonnes

Financial Savings
£ 514,629

"As the Site Manager I thought I would have to write off 3 weeks of my life during the installation, Wow was I surprised!"

The whole process from survey/design, installation to completion was totally professional and stress free. The installation team were extremely accommodating and friendly, listening to us and working around the special needs of our school.

Site Manager, The Walnuts School