

## Case Study

# Ormiston & Brooke Weston MAT

- **Customer:** Ormiston & Brooke Weston Multi-Academy Trusts
- **Technology:** LED lighting
- **Funding:** Department for Education MAT (Multi-Academy Trust) Loans Pilot Project
- **Outcomes:** Significant energy and maintenance savings

**Energys Group is helping Ormiston & Brooke Weston Multi-Academy Trusts achieve annual energy savings of £190,000 across 12 Academies.**



## PROJECT BACKGROUND

The Ormiston Academies Trust and Brooke Weston Trust are sponsors of primary and secondary academies. As educational trusts, their aims are for all young people to have access to the highest academic, social and practical skills required to achieve their full potential, whether going on to study at a leading university or entering the world of work.



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**Energys Group won a competitive tender, worth over £1.7million, to manufacture, supply and install LED lighting to twelve Academies for two Academy Trusts.**

### The opportunity

With Brooke Weston and Ormiston Trusts spending over £2.7 million a year on energy and needing to spend over £1 million on lighting replacement over the next 5 years, both Trusts urgently needed to put in place energy efficiency programmes which would achieve a number of priorities: reduce the trusts' energy bills; address the challenge of lighting conditions; reduce the environmental impact in terms of CO<sub>2</sub> emissions from the trusts' estates and deliver a procurement model and benchmark data which would allow the project to be replicated by other Multi-Academy Trusts.

The academies within each trust which were part of the project all had old, inefficient lighting throughout their properties, mainly consisting of T8 fluorescent fittings without lighting controls, and also had poor Emergency lighting provision; this needed to be upgraded as part of the scheme, to be fully compliant with BS5266.1.

The entire upgrade programme was funded by the Department for Education MAT (Multi-Academy Trust) Loans Pilot Project and was designed to maximize the benefits of new, energy-efficient lighting and ensure the Academies were fully compliant with emergency lighting regulations.

### The approach

#### Structured framework

Energy saving upgrades in public sector buildings are frequently only achievable with the assistance of Government funding. The key funding available for educational establishments is the Salix scheme.

In May 2017, the Education and Skills Funding Agency launched a MAT Loans Pilot project, to analyse whether interlinking MATs could enable collaborative working to achieve long-term benefits for their estates. The project saw EO Consulting bring together the two trusts on a project to investigate the long-term strategic difference this approach had on their estates.

Energys Group was successful with its tender bid, awarded in June 2017

through the Yorkshire Purchasing Organisation (YPO) framework, to manufacture, supply and install over 15,000 LED light fittings to 12 Academies in the Group, awarded on a mix of price, technical specification, quality and ability to deliver on a very tight timescale.

#### Tight deadlines & no disruption

Following the award of the tender each site had a full lighting survey carried out, and proposals were submitted over a two week period to the end of June 2017.

A full programme of works upgrading the LED Lighting was commenced in July and completed by November 2017. Where possible, the work was carried out in the summer break or during out of hours in term-time, resulting in no disruption to the operation of the Academies.

### Proven efficiency

A range of Energys Group's New Vision LED Panels, linear LED, downlights, wall-lights, floodlights, high bays and street lights was installed. Over 15,000 light fittings were upgraded to LED across the project. The majority of fittings incorporated individual occupancy and daylight harvesting sensors to maximize the potential energy savings. A 10 year warranty was provided on all fittings.

Massive energy savings across the 12 Academies are being delivered, amounting to 1.7 million kWh per annum, and equating to £190,000 per annum savings, based on a rate of a minimum of 10.5p per kWh.

### Useful lessons

The pilot project has provided invaluable lessons for the Trusts themselves, EO Consulting and Energys Group across a wide-range of outcomes, including: delivering greater energy savings than initially forecast; longer-term warranties, and provided proof that frameworks make the process cost effective, repeatable and scalable.





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**Matt Isherwood** Brooke Weston Trust's estates director, said:

**"This is the first project of its kind where two Academy Trusts have joined forces to submit a joint funding and installation bid, enabling us to get better deals from suppliers as we had more buying power when compared to a single trust."**

**"The project has been so successful that it could be replicated across other multi-academy trusts and we outlined the process, benefits and savings at the Trust Network Conference in April, attended by delegates from more than 100 multi-academy trusts."**



Commenting on the project, **Kevin Cox** Managing Director, Energys Group said,

**"This was a major, multi-site project for us; one with very tight deadlines and exacting specifications in order to fulfil the requirements of the individual Academies and those of the funding body. The team did a superb job and many of the lessons learned will stand us in good stead for future multi-site, multi-Academy projects."**

For more information please contact:

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