

Case Study

Public Sector Decarbonisation Scheme (PSDS)

- **Customer:** Schools, academies and other public sector organisations across the UK
- **Technology:** LED lighting
- **Outcomes:** Lighting-related carbon emissions reduced by 75%

Energys Group supplied and installed LED lighting at more than 70 locations, with a total project value of around £6m



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PROJECT BACKGROUND

First announced in September 2020, the UK Government's Public Sector Decarbonisation Scheme (PSDS) entailed a £1bn fund being made available for public sector energy reduction projects. An unprecedented initiative in recent UK history, the scheme also heralded some huge challenges for those hoping to secure grants, who had less than four months to submit their applications from the date of the announcement.

The primary objective of PSDS was to help decarbonise heating. This meant all applications had to include a heat decarbonisation plan or an element of heating decarbonisation. The scheme also made funds available for other energy efficient technologies that can make a real difference to carbon and energy cost reduction – including LED lighting.



In advance of the 11 January 2021 deadline, Energys Group was among the technology leaders urging public sector organisations to submit grant applications related to lighting upgrades. It also stressed the fact that funds were to be allocated against very tight timescales, with priority to be given to projects with an early implementation date. As ever with such schemes, it was evident that involving specialist technology partners to work on grant applications could be advantageous.

Energys made available a wealth of services to organisations wishing to apply under the scheme, including:

- Undertaking a survey and project proposal for LED lighting controls and/or boiler control technologies
- Delivery of a heat decarbonisation plan
- Support with the completion of grant-related paperwork
- Guidance on procurement through a compliant framework

Ultimately, Energys Group was involved in over 70 projects that were given the go-ahead under PSDS. This equated to a total value of around £6m. Energys supplied a range of the latest LED light fittings and sensor controls which were delivered by our highly experienced personnel. In terms of the lighting upgrade part of PSDS, Energys Group believes it was involved in delivery of approximately 20% of the total UK spend.



Response to the new lighting technology has been uniformly positive



Through PSDS, Energys Group is making a significant contribution to the Government's Net Zero goals

IMPLEMENTATION & RESULTS

With the pandemic still in force during the period of project implementation, on-site work had to be rigorously planned and executed. While precise lockdown conditions varied across the country, there were still countless access restrictions, site closures, and issues caused by surveyors and client facilities staff needing to self-isolate.

The Energys Group's delivery team worked tirelessly (and to strict Covid-secure guidelines) throughout the lockdown periods to ensure these decarbonisation projects met the strict timelines.

Response to the new lighting technology has been uniformly positive,

while the forecast of carbon emission reductions – approximately 75% at each upgraded facility – speaks for itself.

Our Business Development Account Director Raj Gunasekaran, who has been instrumental in the delivery of the PSDS projects, estimates that around 50,000 new light fittings have been installed in the last six months alone.

Products specified include a variety of Energys' latest LED solutions, including IntelliDim smart luminaires that can be commissioned via a smartphone app that allows the commissioning of precise light levels and occupancy parameters. In general, installations using IntelliDim can expect to register between 20% and 40% extra savings on top of those normally seen when upgrading from traditional lamps to LEDs.

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REFLECTIONS

Recalling an intense period of work that involved guiding numerous public sector organisations through the complex grant application process, Energys Group Account Directors Raj Gunasekaran and Ian Humphries describe the resulting upgrade programme “as really historic” in terms of enabling a lot of facilities to improve their lighting dramatically in a very short period of time.

For us as a solutions provider and a manufacturer, being able to deliver such a huge number of projects in such a brief timeframe was challenging but the end-result is impressive and will make a significant contribution to the Government’s Net Zero goals – as well as reduced operational costs for the end customers themselves

LONGER-TERM IMPACTS

For the schools, academies and other facilities involved, these upgrades are going to mean they can emerge from the pandemic period with fresh momentum, benefiting from improvements in environmental working conditions as well as huge reductions in carbon emissions and energy costs.

For more information, please visit:

<https://www.energysgroup.com/category/funding/costs>

Energys Group’s delivery team worked tirelessly to meet the strict project timelines

For more information please contact:

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