

CASE STUDY TADCASTER GRAMMAR SCHOOL LED LIGHTING



HEADLINES

2,200

lights replaced with environmentally-friendly LEDs

ASSISTED

with Public Sector Decarbonisation Scheme grant application

52,600kg+

of carbon saved a year

COVID-19

required us to carry out a thorough deep clean every day

LIVE

school environment to work around so rooms could be used safely

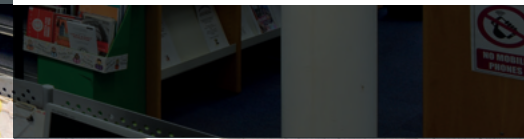
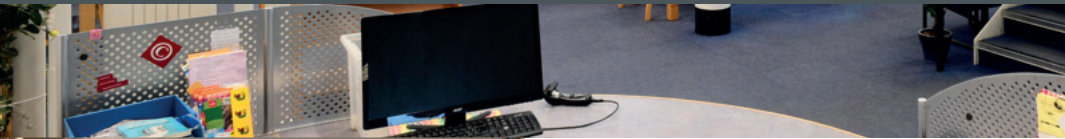


KEY FACTS

Project title: Replacement lighting & grant application assistance
Location: Tadaster
Client: STAR Multi-Academy Trust
Services: Electrical Design and Build

Contractor: G&H Projects
Value: c. £200,000
Duration: 12 weeks

CASE STUDY HOW WE DID IT



Having successfully helped the school with its Public Sector Decarbonisation Scheme application to the Department for Business, Energy and Industrial Strategy, the second stage was to manage the removal of existing lights and replace them with 2,200 LEDs.

Given this large undertaking in a live environment, it required excellent project management throughout.

During school hours we could only work in non-occupied areas of which there were very few so the majority of our work was delivered out of the school day in evenings and weekends. Working to a detailed plan and with ongoing liaison with the school's Estates Management department, step-by-step we worked through the school to an agreed schedule replacing not only lights but old cabling too as it was discovered.



Tadcaster Grammar School is part of the Sherburn, Tadcaster and Rural Multi-Academy Trust (STAR MAT).

As part of its Estates Management's departments drive to improve facilities as ecologically as possible, we were asked to project manage and deliver a large-scale replacement lighting scheme.

Spanning 38,000sqm, we helped the school identify the carbon savings that could be made by replacing its existing lighting system with LEDs.

We carried out a full audit of the existing system and provided calculations of the savings that could be made.



Installing LEDs required us to remove ceilings tile covers and then reconstruct them every night and carry out a full Covid-19 standard clean so the classroom was safe for the following morning's lessons.

This labour intensive approach was repeated throughout the 12-week programme and on most occasions required us to complete rooms or sections before finishing for the day.

The project was a huge success from a delivery and results perspective with the school now saving 52,696kg of carbon every year.

“ CLIENT REACTION

“This was a complex scheme that required a huge amount of attention to detail. G&H Projects delivered this to a very high standard from helping us at pre-grant stage and Covid-19 protocols to health and safety and an excellent installation.”

Rob Holah, Estates Director, STAR MAT



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