



Case Study

The Background

St. Mary's School is the home to 220+ pupils in Shawbury, Shropshire. Educating ages between 3 and 11, the school aims to make its pupils feel secure and comfortable and that they offer a happy and safe learning environment.

To keep within their principles and values, the school always tries to maintain an excellent and sustainable infrastructure, testing and investing where necessary to keep up to date with health and safety and compliance regulations

The Challenge

During a routine test of the emergency lighting system at the school, nearly half of the fittings did not meet the requirements and failed a test, in the exterior environment of the premises.

Most of the the St. Mary's building already had combined emergency light fittings and PSG Shropshire County Council expressed their desire to change to standalone fittings -fitted with the longest life batteries so that maintenance could be kept to a minimum, giving the school and the council the greatest cost savings.

Nathan Davies, Senior Electrical Engineer at PSG Shropshire Council said, "As with many of the properties we facilitate and manage we want to upgrade as many systems as possible to be compliant, sustainable and easy to manage and St Mary's School was another example where we can embed the latest technologies on the market to overcome these challenges."

The Solution

Like many of our school projects, we worked directly with all partners involved in the project to make sure that the school received the right solution for their needs. The System that was specifically put together for St. Mary's school consists of both indoor and outdoor light fittings. The Ultrablade Pro was chosen as it has a reduced reflection and halo effect on the diffuser and a decal that is scratch and fingerprint resistant – which is perfect for a school or educational environment

Project Name

St Mary's School

Location

Shawbury, Shropshire,
United Kingdom

Industry Application

Education

Project Type

Existing Emergency Lighting
Upgrade

Year

2021

Electrical Engineer

PSG Shropshire Council

Product Range

L10 Lithium Nanophosphate

Testing System

CleverTest Plus

Products Featured

Ultrablade Pro, Bulklite,
Bunkalite, Lifelight

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where high traffic and potential 'low flying objects' can happen every day in corridors or classrooms.



The Result

To aid the general guidance of occupants throughout the school should an emergency happen, a package of Bulklite, Bunkalite and Lifelight were chosen and Clevertest Plus enabled in the areas that were having problems. By using the Clevertest Plus system the school can automatically test and manage their site more effectively and can now also produce compliance reporting as and when the school needs it.

To help with the sustainability and efficiency challenge, as many fittings as possible were fitted with Clevertronics L10 Lithium Nanophosphate battery range. This gives the school and its maintenance team the lowest total ownership cost, 50% longer battery life vs any other lithium product, 60% maintenance savings vs any other lithium product, an unrivalled 6-year warranty on everything, including the battery and a 12 year + design life.

Nathan Davies concludes, "The Clevertronics solutions, products and team are proving to be exactly what we need with many of our projects. I'm using Clevertronics more and more as they have the longest and best batteries on the market, and I can use their testing systems to future proof for new phases and developments of work when they arise."

A bit more about Clevertest Plus

The Clevertest Plus (CTP) system is designed to provide building owners and electrical contractors with a cost-effective and thorough means of managing emergency lighting. The connected world is here, but most new installs continue with manually tested fittings and paper-based compliance reports which are time-consuming, inefficient, often inaccurate and difficult to access.

Features and benefits of the Clevertest Plus System:

- Fittings automatically test every month
- Manage multiple building sites within ONE account
- Does not require a test switch at the switchboard
- No need for a data cable, wireless connection, or centralised PC
- Complies with BS5266-8 & BS EN 62034 automatic testing requirements
- Compliance reporting available instantly on phone or Web portal
- No need for any paper-based logbook
- Order replacement parts or products on the App using fault reports
- Provides an accurate diagnosis of lamp, battery, or control gear for each faulty fitting

Find Out More

St Mary's School is another quality project delivered by Clevertronics. If you would like further information about this case study or are interested in understanding more about Emergency and Exit lighting within your building, contact Clevertronics for a site audit, demonstration, and cost analysis report.

