

## Emergency Lighting Case Study



**New emergency lighting system delivers full compliance plus £34K cost savings for St George's College.**

### About St George's College

St George's College and Junior School is the largest Catholic co-educational day school in England and Wales within the independent sector with over 1,500 pupils aged 3 to 18 years old.

### Benefits of Emergency Lighting project



Increased reliability and battery life, powered by lithium battery technology



Market leading guarantees:  
Luminaires (3 years) and Battery Life (6 years)



Maintenance cost saving of £34,500 over 6 years



Remote monitoring and testing for monthly and yearly tests



Fully compliant to British Standard BS 5266

### Summary of Project

St George's College required a new emergency lighting system that would be not only compliant with the British Standard BS 5266, but would also offer great cost savings throughout its lifetime. Powercor installed an innovative system using lithium batteries, rather than traditional lead acid batteries. This meant that our client has increased battery life and reliability (guaranteed for 6+ years) together with reduced maintenance costs. The revolutionary system offers remote self-testing, removing the need for on-site monthly and annual tests, providing further cost savings for our client.

## Project

### Customer Challenge

St George's College wanted to upgrade their emergency lighting system to ensure that it was fully compliant with British Standards. Their challenge was to comply with emergency lighting regulations for escape routes, open areas and high risk areas, plus upgrade fittings with energy efficient LED technology.

### The Solution



#### **Revolutionary and innovative emergency lighting system guaranteed for 6+ years**

Powercor installed a new emergency lighting system using a range of emergency luminaires and exit signs. Our innovative system installs onto the client's existing infrastructure, causing minimal disruption. The luminaires communicate with each other to create a 'mesh network' which transfers information to a central controller.



#### **Automatic remote monthly testing and annual on-site checks**

St George's College emergency lighting system is now centrally monitored and tested by the school's facilities management. The system provides live feedback on the status of their emergency lighting. In line with compliance standards, St George's College can also set regular, automatic test schedules at a time convenient for them.



#### **Fully compliant to British Standard BS 5266**

The installation is fully compliant with emergency lighting standards (BS 5266), as well as compliance requirements for testing (BS EN 50172). The centralised monitoring system has minimised disruption to the school and reduced overall installation and maintenance costs.

### Results

- Emergency Lighting Compliance BS 5266 and BS EN 50172.
- Remote monitoring and testing with live feedback on emergency lighting status.
- Maintenance cost saving of £34,500 over a 6-year timeframe.

**“Thanks to Powercor and our new compliant emergency lighting system, we are now even more confident about the safety of children, teachers and all other visitors to our school.”**

**Errol Minihan** - Facilities Manager & Health and Safety Chairman, St Georges College and Junior School

**Contact us today for compliant and efficient emergency lighting installation.**

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