



Case Study

The Background

RATP Dev operates and maintains urban and intercity transportation systems on four different continents.

They do so with the emphasis to make distances shorter to travel, boost local and regional economies and to bring people together. Their philosophy is to be 'where you are' and 'where you want to go.'

Whilst doing routine evaluations across some of London's bus depots that they facilitate and run, the client was made aware that they were bordering compliance regulations and incurring high maintenance costs of their current emergency lighting system.

The Challenge

It became obvious that decision processes were being made by balancing three key elements:

- Regulatory compliance
- Initial cost base of system
- Ongoing maintenance costs.

However, budgets were a big consideration in the system that was to be put forward. What was also made clear was to consider overall flexibility of the system, and future proof, any installation to progressively move to more innovative wireless systems as and when the time arose.

The Solution

Working in partnership with RATP DEV and Powercor, we addressed each of the challenges individually and started to piece together the emergency lighting system that would suit the customer's specific needs.

To the right, you will see the system put forward and approved for rollout across twelve of the London Bus Depots that RATP DEV manage and facilitate.

Project Name

London Bus Depots

Location

London, United Kingdom

Industry Application

Transport

Project Type

Existing Emergency Lighting Upgrade

Year

2020 Ongoing

Contractor

Powercor

End-User/FM:

RATP Dev

Product Range

CLP/LP Premium Lithium

Products Featured

Lifelight, Ultrablade Pro SM, ARGO Weatherproof

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When choosing the perfect Fire Exit Sign, Ultrablade Pro Surface Mount Exit was chosen for its look and design to satisfy the architectural requirements for of each of the buildings. With a reduced reflection and halo effect on the diffuser and a decal that is scratch and fingerprint resistant it is the industry standard for an architectural blade exit sign.

For spot illumination emergency lighting, Lifelight was specified which delivers lowest maintenance and energy costs and was the clear product of choice for this project supporting the initial cost base of the system.

As for the main depot servicing areas, they needed a product with greater lumen outputs. The ARGO Weatherproof was the perfect choice for this application because of its reliability, flexibility, and good initial cost base. With an IP65 and IK08 impact ratings it comes combined with switchable colour and outputs.

The Result

When it came to solving the ongoing maintenance costs of the project, there was only one clear winner – CLP Lithium Iron Phosphate batteries. This product lasts three times longer than any other battery on the market and will deliver, on average, 50% total savings compared to others.

And the good news is, this system has been specified and futureproofed to be upgradeable to the Zoneworks XT HIVE wireless system as and when the customer requires.

Overall, the team delivered a project that is easier to maintain and is fully compliant to BS EN 605982-22 and EN1838 and is ISO7010 enabling a safe environment for workers and passengers to experience.

“Choosing the right solution for this project was not very difficult as we instantly knew to meet maintenance reduction targets, continual compliance testing and reporting and upgradeability options for the future, Clevertronics were the perfect choice” Chris Wright Powercor

Find Out More

London Bus Depot 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.