

Case Study: Standby Power



SHOWCASE

CINEMA DE LUX

Case Study

About

Following the success of the first standby power project for emergency lighting across three cinemas located in Reading, Leeds and Nottingham, Concept Electrical UK and Showcase Cinemas came back to UPS Systems for future cinema installations. There was a total of 37 individual screens that required emergency lighting in case of a power outage.

Much like with the first installations, it was imperative that safety procedures were followed. Concept Electrical UK needed to source and install standby power for emergency lighting in a further three cinema sites across the UK. These sites were Coventry, Peterborough and Southampton.



“I would have no hesitation in using UPS Systems for future projects.”

**Jamie Duggan –
Concept Electrical UK
Ltd**

Challenge

The current regulations regarding the setup of emergency lighting EN50171. The regulation states that emergency lighting fixtures need to be supported for at least 3 hours at the end of its life as well as the beginning. If there was a power cut and the emergency lighting did fail, this would not only be very embarrassing, but potential dangerous for Showcase Cinemas' customers.

The regulation also confirms that the standby power supply needs 120% overload protection and a typical UPS doesn't do this, so a static inverter was chosen.

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UPS



Generators



Maintenance

Solution

UPS Systems proposed one 500W static inverter per screen. This would ensure that in the event of a power cut all screens' emergency lighting would come on independently and would last for at least 3 hours. The electrical installations themselves were carried out by Concept Electrical well before any deadline date. An engineer was then scheduled to attend the site to complete the battery build and commission each unit.

Now the static inverters are installed Showcase Cinemas' have ensured the safety of both their customers and staff.

Outcome

With the installations now completed by both UPS Systems and Concept Electrical Ltd, all three cinema locations are now completely in line with EN50171 legislation.

This means that each screen within each of the cinemas will now have three hours of emergency lighting during the event of a power failure. Now, these cinemas are complete, plans are being made, by Showcase Cinemas, to do a further two cinemas using both Concept Lighting and UPS Systems.

UPS Systems specialise in the specification, supply and maintenance of uninterruptible power supplies (UPS) and generators to create best fit bespoke standby power solutions for our clients and customers. In addition UPS Systems have access to the widest selection of products on the market today and a completely 'independent' vendor-neutral ethos, allowing us to create truly best fit, bespoke uninterruptible power systems.



CLIENT'S PERSPECTIVE

Jamie Duggan, Managing Director at Concept Electrical said:

“UPS Systems provided a flexible approach when faced with a complicated large project involving numerous strict programme deadlines, ensuring that the project was delivered without problems.”



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