

Best practice at BDU & SSP Zero carbon site lighting - Ecolite



Introduction

The Structures Strengthening team has introduced the use of an innovative lighting set which has significantly reduced potential disturbance to residential neighbours.

The challenge

Many of the Structures Strengthening work sites are in very close proximity to residential properties. The project team are keen to find ways to minimise the impact of the works on neighbours in order to improve community relations.

- Zero risk of fuel spills
- Operational in enclosed spaces
- Low-energy LED lighting
- Fully autonomous run time between 15 to 900 hours
- Cheaper to run than standard tower lighting

Proximity of neighbours to site



All these environmental benefits do not detract in any way from the performance of the light. When the unit was first wheeled onto site there was a certain amount of suspicion but once the lighting was in use the lads were pretty impressed by the difference it made; very helpful when lots of your work is under unlit bridges.

What we did

Skanska have introduced the use of a low energy hydrogen fuel cell powered lighting system. This lighting is powered by the BOC Hymera fuel cell. The Ecolite H2 can be used in environmentally sensitive areas where all emissions and noise pollution need to be minimised. There are no particulate emissions and as a result the process is virtually silent which is extremely important for our works at night time in the centre of London.



Ecolite tower in use under an arch at Red Cross Way

Working with the supply chain to produce innovative and environmental sound solutions is key to Skanska strategic ambitions to deliver Deep Green products. The Ecolite H2 was shortlisted in the Skanska Supply Chain Green solutions competition.

Benefits

- Zero CO₂ site emissions
- Zero noise
- Zero particulate emissions
- Zero servicing

