

Bedford Electrical

CASE STUDY

EV Charger Installations

Customer: DHL

Location: Hounslow

Core Service: EV Chargers

Sector: Transport & Logistics



Project Details

Client Overview

Our client, DHL, is a European delivery company committed to having "EVs handling 60% of our pick-ups and deliveries" by 2030. As such, we sent our team to install new and replace existing EV chargers.



Project Overview

Our client hired Bedford Electrical to design and install a new **EV charging setup**. The job needed to be completed within a short time frame as the delivery vans required daily use.

Objectives

New RCD-protected EV Chargers and Replacements:

The project involved installing seven new 22KW EV chargers for staff EV car charging and replacing eight existing chargers for the new model of overnight delivery van charging.

GRP Enclosure:

A housing area for an SPD-protected 8-way distribution board for all new chargers was erected on-site.

Safety Assurances:

An existing panel inside the warehouse fed a main cable to the GRP enclosure. Our teams performed a shutdown to install a new MCCB (Molded Case Circuit Breaker) into the panel to terminate our EV DB cabling should any issues arise..





Results

To achieve this project, our teams conducted total groundwork, including four concrete bases installed for the new EV charger posts and one concrete base.

The car park was prepared by marking the new EV-specific parking bays.

Ducting allowed the main cabling to run inside the warehouse to the new GRP enclosure. All ducting received backfilling using sand and warning tape. We then reinstated the earth and paving slabs for a clean finish.



Client Satisfaction:

The client was more than satisfied with the finished product we delivered. We were more than happy to help them achieve their goal of including EV vehicles in 60% of deliveries by 2030.





Conclusion

The project concluded before the challenging deadline without compromising the aesthetics or clarity of the dedicated areas.

Upon completion, all installations were carefully tested to NICEIC standards and commissioned by our on-site engineers.

Our efficiency and effectiveness during this installation led to our teams being brought on to work on similar projects for this client at multiple locations across the UK.



Bedford Electrical

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