

Fast Deliveries and Quick Answers: Terasaki, Cleaner EV and Specialist Switchgear Systems Support On-Time Dedicated EV Bus Depot



CASE STUDY

DAWLEY ROAD ELECTRIC BUS DEPOT



OVERVIEW:

On 11th July 2022, Abellio London Bus announced that it had opened the doors to its brand-new depot for West London. The Hayes depot will be the home of new state-of-the-art EV buses.

Enel X Way electrified the depot complete with the installation, maintenance and servicing of six 300kW high-powered Enel X Way charging stations for the EV buses.

The charging infrastructure is fast and smart, leveraging technology to maximise efficiency such as charging at off-peak times.

Dawley Road is one of multiple EV bus depot projects in London, with others opening in Battersea and Beddington.

APPROACH:

Low voltage distribution equipment was designed and built by Specialist Switchgear systems using Terasaki Air and Moulded Case Circuit Breakers. The incoming Air Circuit Breakers were rated at 3200A and included a key interlocking scheme to manage alternative supply sources.

Cleaner EV Ltd managed the scheme design, carried out the engineering, procurement, construction, installation and co-ordination with energy supplier Enel X Way.

RESULTS:

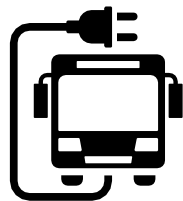
- 6 x 300kW EV bus chargers supplied with electrical power, switching and protection.

- **ON TIME**



- Supporting London's 2030 zero-emission ambition. EV bus capacity increased by:

- **12 ELECTRIC BUSES**



Installation of electrical switchboard with Terasaki circuit breakers at a London EV Bus Depot.



PROJECT DETAILS:

End User:	Abellio London Bus
Site:	Dawley Road EV Bus Depot
Site Activity:	Transport EV Bus Charging
Installation:	Cleaner EV Ltd
Switchboard Manufacturer:	Specialist Switchgear Systems
Circuit Breakers:	Terasaki Electric (Europe) Ltd
Completion Date:	28th May 2022

What they said about us:



Cleaner EV Ltd are an electric vehicle charging specialist. They were responsible for the electrical installation of the Enel X Way charging stations at the Dawley Road bus depot. The company has been involved in London's EV projects as a result of their quick project deliveries and are helping towards the ambition of an emissions free bus fleet. Craig Halloran, Technical Director, said:

"I'm in with Terasaki for life now, they were able to deliver when needed"



Specialist Switchgear Systems are a switchboard/systems integrator based in Bury, UK. They have designed, manufactured, installed and commissioned switchgear at various EV bus depots around the Greater London area, including Dawley Road. Joseph Greenhalgh, Field Sales Manager, was complimentary about the service he received:

"The team at Terasaki done a sterling job. I called Norris Lawton [Sales Manager] and David McGonagle of the sales applications team got back to me with the answers within 10 minutes."
