



Newport Depot EV Charging Infrastructure

Case Study



Background

Following considerable investment and upgrade of their commercial fleet, to maximise fuel efficiency and reduction in carbon throughout, Newport City Council (NCC) required provision for an extensive EV charging infrastructure at their main Telford depot and waste and recycling centre.

Delivery

Centregreat delivered all civil engineering, construction and electrical provision works as a turnkey solution, including cabling and reinstatement within the live depot, to facilitate each charging unit, including EV systems monitoring.

Our work at both sites has included substation base construction and installation of the WPD 11kw substation and a new local 1MW substation to serve the power requirement of the EV charging infrastructure installed.

Installed EV charging capability comprises eleven twin 7kW and ten 7kW wall-mounted chargers for overnight charging of road sweeping vehicles, as well as two twin and one mobile 55kW EV charging units for their electric refuse collection fleet, pending imminent installation of permanent DC charging units.

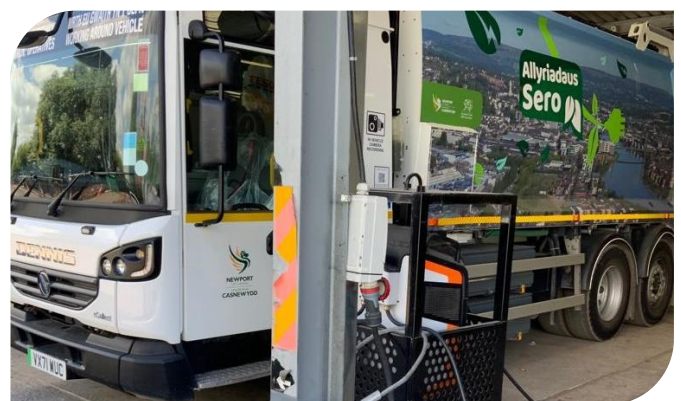
Upgraded site power distribution and new EV charging infrastructure was connected and commissioned by Centregreat in collaboration with the ICS, DNO, and WPD Teams.

Outcome

The completed scheme at both locations was underpinned by our in-depth understanding of civil engineering, construction and electrical works and the intuitive stakeholder

management process adopted by Centregreat within this live environment.

Centregreat successfully provided NCC with increased power potential and diverse commercial EV charging solutions for the fleet; future-proofed to support business growth and meet the net-zero imperative.



Client: Newport City Council
Value: Over £100k
Delivery Period: Nov 2021 – Jul 2022