

2MVA 11kV EV CHARGING STATION CONNECTION

The 50th plot delivered for the same client

SCOPE — Design · Project Management · Substation Engineering · Electrical Protection Design · Civils & Groundworks · Panel Manufacture · Procurement · Installation · Commissioning · Energisation

VOLTAGE
11kV

CAPACITY
2MVA

SECTOR
EV Charging Infrastructure

DELTA HV ROLE
Design, build & commission

CLIENT
Undisclosed (repeat client)

MILESTONE
50th plot for the same client

KEY DRIVER
Energised before grand opening

ADOPTION
Contestable works adopted by DNO & IDNO

PROJECT OVERVIEW

Delta HV designed, built and commissioned the substation and post-meter works for a new EV charging station — the fiftieth plot delivered for the same client. The scheme brought design, civils, plant and protection disciplines together on a tight timescale with meticulous design accuracy and rigorous adherence to safety standards. Open communication and a shared commitment to quality held every milestone, and the substation and post-meter works were commissioned ahead of the site's grand opening, the end client's principal driver, with successful adoption of the contestable works by both the DNO and the IDNO.

DESCRIPTION & OVERVIEW OF WORKS

Design & value engineering	Design across primary, civil, structural, architectural, drainage, electrical and landscaping finishes, with value engineering solutions that saved time and cost during the build.
Electrical protection design	Protection design reviews, settings configuration and implementation, and off-site protection panel build at Delta HV's own manufacturing facility.
Civils & groundworks	Civils, ground works and drainage, together with below and above ground earthing systems.
Procurement & installation	Plant and equipment procurement and installation; 11kV cable jointing and terminations including specialist manufacture terminations; multicore and telecontrol cable installation, termination and testing; and LV lighting, small power and heating.
Testing & commissioning	Final on-site testing and commissioning of plant and protection schemes, including the post-meter works serving the charging bays.
Completion, adoption & energisation	Completion through to energisation, with adoption of the contestable works by both the DNO and the IDNO.

Delivery highlight — the fiftieth plot for the same client

Reaching a fiftieth plot for one client is the clearest evidence of repeatable delivery. Delta HV has standardised the design, panel build and commissioning approach across the programme so each new site draws on proven arrangements rather than starting again — shortening the design and approval cycle, keeping quality consistent plot to plot, and holding fixed commercial dates such as a grand opening.

