



## SCOPE OF WORKS

- » Design works from concept through to final construction drawings, including civils and electrical.
- » Installation of electric vehicle charging posts, including wiring, termination, testing, and commissioning. All electrical works are designed and installed in compliance with:
  - » BS 7671 18th Edition plus Building Regs.
  - » IET Code of Practice for Electric Vehicle Charging Equipment Installation 4th Edition.
  - » RC59 Fire Safety.
- » New connections to existing supply networks.
- » Engagement with the DNO (Distribution Network Operator) to apply for additional power supply if needed. The end-to-end support encompasses:
  - » Assessing current usage and required capacity.
  - » Submitting the application for additional power supply.
  - » Agreeing conditions and schedules of work.
  - » Ongoing relationship management through to the completion of energisation and metering.
- » Client training workshops and demonstrations to ensure safe operation, maintenance and fault-finding.

# Royal Mail: Nationwide EV infrastructure installation

Royal Mail has embarked on an ambitious project to install EV (electric vehicle) charging bays at its delivery offices across the UK in order to facilitate a fully electric fleet. Following a successful pilot project, Building Solutions (the specialist building and refurbishment arm of VINCI Facilities) was awarded a place on the first phase of the nationwide roll-out. The company has since delivered EV infrastructure and related civils works at 22 delivery offices to accommodate circa 1,600 vehicles of varying sizes and charging requirements.

### Developing appropriate solutions

Building Solutions provides a turnkey design and build service that is tailored to suit the unique needs of each delivery office. Works are designed to ensure that the charging infrastructure and layout of bays is appropriate for the number of vehicles on site, the range of van sizes, and the activities that are being conducted (e.g. rural vehicles will require longer mileage than city vehicles). Additional aspects are also taken into consideration, such as the need to accommodate turning circles for articulated lorries and access for customers.

The team also assess the power demands for each site, utilising spare capacity where possible or sourcing upgraded/additional connections if necessary.

### A trusted team

Building Solutions has appointed a dedicated, in-house team of specialists who are permanently assigned to EV projects. This includes commercial and technical experts who are experienced in the EV process and provide support throughout the works, from Stage 1 design and cost planning through to final accounts.

The in-house team collaborates with supply chain partners for specialisms including civils, ground works, and electrical installations. The majority of the team have worked on Royal Mail contracts for many years, and as a result have invaluable insight into the client's sites, electrical systems, and operational requirements.

### Value

Each site is designed and priced individually to ensure the solutions are as cost-effective as possible. Building Solutions' competitive costs and strong service delivery have resulted in the company being awarded a significant amount of sites within the first phase of works.



**BUILDING SOLUTIONS**



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### Communication

Strong communication is vital to ensure that the works create minimal disturbance to the delivery offices, all of which are required to remain operational throughout.

Building Solutions' team meet weekly with Royal Mail and its project manager WT Partnership to report on programme progression, quality, costs and any issues. Building Solutions has also taken responsibility for securing permission to undertake the works, which involves close communication with associated stakeholders including landlords, distribution network operators, neighbouring buildings, and local councils.

### Health and safety

The works present numerous health and safety risks, including working within live Royal Mail operations where vehicles are continually moving. To ensure the safety of all personnel on site, Building Solutions erects hoardings to limit access, employs Site Managers to continually monitor standards, and conducts daily safety briefings and regular Toolbox Talks for the entire supply chain. Importantly, the Site Managers are the key point of contact for Royal Mail's Customer Operation Managers, and interact with them on a daily basis to ensure works are scheduled efficiently and safely.

### Minimising disturbance

The team ensure that programmes are developed considerately and that any disturbance is minimised. This sees all works scheduled to take place outside of the client's busy periods, and many works delivered in evenings and weekends. For contracts that require an accelerated programme, Building Solutions provides a 24/7 operation via rotating shifts.

### Project delivery

All 22 sites within the first phase were completed on time and on budget – no small feat, as the team faced torrential weather including storms Dudley and Eunice.

Building Solutions has recently been awarded a second tranche of 11 sites across mainland UK. The team is currently at the design, surveying and costing stage, with construction works due to start imminently.

Looking to the future, Building Solutions will continue to support Royal Mail's plans to install EV charging bays across all 1,400 of its delivery offices over the next seven years, which will accommodate c.40,000 vehicles.

Building Solutions is also in discussions to provide EV solutions for other major UK fleet operators as well as organisations within sectors including healthcare, telecommunications, residential, and energy.

## CUSTOMER SATISFACTION

VINCI Facilities Building Solutions achieved positive results across the board in a customer satisfaction survey completed by WT Partnership. The business achieved full marks in many areas, including:

- » Acting with integrity and discipline.
- » Proactively managing health and safety.
- » Collaboration.
- » Support from senior management.
- » Helping the client to achieve its objectives.

*"Thanks for the smooth running of the installation of electrics for the EV charging posts project. The team have worked really well with my team in the delivery office to get this work completed in good time with minimal disruption to the operation. It is appreciated. Regular communication is a vital part of the project and the team have been excellent in this area."*

**Ricky Sault,**  
**Delivery Office Manager, Royal Mail**



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