EXETER CASE STUDY

Introduction

In an era where sustainable business practices are increasingly becoming a corporate responsibility, the partnership between DHL East Midlands and Evitec stands as a testament to what can be achieved when innovation meets sustainability. This case study delves into the intricacies of a project that has set a new standard in corporate environmental stewardship. It provides a detailed account of the end-to-end EV charging solution designed, implemented, and managed by Evitec for DHL's East Midlands Gateway 'Triathlon' warehouse.

Project Overview

The project involved a full-scale implementation of 10 Rolec Quantum Chargers. The comprehensive solution not only included the installation of these state-of-the-art chargers but also encompassed line marking for each bay, concrete footings for charger stability, and a complete electrical package. The mission was to create an efficient, sustainable, and future-proof EV charging infrastructure that would seamlessly integrate with DHL's existing operations.

Objectives

- **Turnkey Installation:** To provide a comprehensive, ready-to-use EV charging solution that includes everything from planning and civil engineering to electrical installation and final commissioning.
- **Sustainability:** To align the project with DHL's corporate sustainability goals, significantly reducing the company's carbon footprint.
- **Operational Efficiency:** To integrate the new infrastructure seamlessly into DHL's existing operations, thereby promoting a smooth transition to greener logistics without any operational hiccups.
- **Employee Convenience:** To offer a convenient, efficient, and reliable charging solution for DHL employees who drive electric vehicles.

Why Rolec Quantum Chargers?

Rolec Quantum Chargers were chosen for their dual charging capabilities, allowing each unit to charge two vehicles simultaneously. This design optimises the charging capacity at each bay, thereby doubling the utility and efficiency of the charging infrastructure.

Turnkey Installation Explained

A turnkey installation refers to a comprehensive, ready-to-use solution where all aspects, right from initial planning to final commissioning, are handled by a single provider. In this case, Evitec provided a seamless, end-to-end service, thereby allowing DHL to transition effortlessly to the new green infrastructure.

Execution Phases

- ## Phase 1: Planning and Civil Engineering

  An exhaustive site assessment was carried out to map out the most efficient layout for the 20 EV Charging Bays. Civil engineering work followed, which included the preparation of concrete footings to ensure the stability and safety of the charging units.

- ## Phase 2: Electrical Installation

  A bespoke electrical package was designed and executed, tailored to meet the specific power requirements of the Pod Point Twin Chargers and ensure optimal performance.

- ## Phase 3: Charger Installation and Line Marking

  The Pod Point Twin Chargers were installed, and line marking was added for easy bay identification and navigation, thereby enhancing user experience.

- ## Phase 4: Project Management and Commissioning

  Meticulous project management ensured the project stayed on track, both in terms of timeline and budget. The final step involved a rigorous commissioning process, ensuring that every charger was operational, safe, and efficient.

Results and Impact

- ## Sustainability Goals

  DHL East Midlands has significantly reduced its carbon footprint, thereby making substantial progress toward its corporate sustainability goals.

- ## Operational Efficiency

  The new charging infrastructure has been seamlessly integrated into DHL's existing operations, leading to increased efficiency and reduced operational costs.

- ## Employee Experience

  Employees now have access to a state-of-the-art, reliable, and convenient EV charging solution, encouraging the use of electric vehicles.

- ## Turnkey Success

  The success of this turnkey installation has set a precedent for similar future projects, not just within DHL but also for other corporations looking to transition to greener solutions.

Conclusion

The collaboration between DHL East Midlands and Evitec is more than just a successful project; it's a blueprint for how businesses can effectively integrate sustainability into their core operations. Not only has this initiative set a new benchmark in corporate environmental responsibility, but it has also demonstrated the tangible benefits—both ecological and economic—that such a transition can bring. The project's comprehensive, turnkey approach to EV charging infrastructure serves as a compelling case study for other corporations contemplating a similar green shift. It underscores the fact that sustainability and operational efficiency can coexist, and indeed, thrive when guided by meticulous planning, expert execution, and a shared vision for a greener future. In essence, the success of this endeavour goes beyond DHL East Midlands and Evitec. It provides the business community at large with a robust, replicable model for driving meaningful change. By showing how to create a more sustainable, efficient, and employee-friendly environment, this project paves the way for broader societal shifts towards environmental stewardship and responsible business conduct. It's not just about making a one-time impact; it's about setting in motion a long-lasting ripple effect of positive change. Evitec is immensely proud to have partnered with DHL East Midlands in this transformative journey, and we look forward to contributing to many more such sustainability landmarks in the years to come.

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