

DHL STOKE CASE STUDY



Introduction

Evitec has undertaken a key project at DHL's Stoke facility, marking a significant step towards sustainable logistics within the UK. This case study outlines our efforts in implementing a state-of-the-art EV charging infrastructure, enhancing DHL's transition towards an electrified fleet. Our commitment shines through in the installation of four Rolec EV parking bays equipped with two advanced Rolec Autocharge units, designed to streamline operations and support environmental objectives across DHL's network.

Project Overview

Proudly, Evitec announces the successful installation of four Rolec EV parking bays, which include two Rolec Autocharge units with built-in group manager features, at DHL Stoke. This strategic initiative enhances connectivity across DHL's national depots, allowing comprehensive monitoring and management of EV charging activities. The Autocharge units are specifically chosen for their robustness and innovative technology, supporting DHL's aim to optimise energy usage and operational efficiency while advancing their sustainability goals.



Objectives

For the DHL Stoke project, our primary goals were to:

- **Develop Advanced EV Charging Infrastructure:** Install Rolec AUTOCHARGE pedestals that align with DHL Stoke's sustainability initiatives and meet their operational requirements for robust, secure EV charging.
- **Ensure Versatile and User-Friendly Charging:** Provide a flexible charging experience utilizing AUTOCHARGE's capability for simple plug & charge and RFID-controlled access, facilitating seamless operation for DHL employees and fleet management.
- **Boost Site Aesthetics and Safety:** Enhance the visual appeal and functional safety of the EV charging areas with the durable and secure design of the AUTOCHARGE pedestals.



Why Rolec QUANTUM Pedestals?

The choice of Rolec AUTOCHARGE pedestals for DHL Stoke was driven by their outstanding features and suitability for commercial settings:

- **Robust and Vandal-Resistant:** Designed to withstand harsh environments, making them ideal for the exposed locations at DHL's distribution centre.
- **Flexible Charging Options:** AUTOCHARGE units support various user interfaces, including plug & charge and pay-to-charge via smartphone or RFID, offering convenience and accessibility.
- **High Charging Output:** Capable of delivering significant power to accommodate the fast-paced needs of a logistics operation.
- **Integrated RFID Readers:** Enhance user accessibility and security, key for managing a large fleet.
- **OCPP Compliant:** Ensures compatibility with any chosen back-office management system for integrated monitoring and control.
- **Future-Proof Technology:** AUTOCHARGE units are designed to meet future requirements and can adapt to evolving EV technologies.

Execution

- **Planning and Assessment**

Conducted a thorough site evaluation to determine the optimal placement of the AUTOCHARGE pedestals, focusing on power access and operational convenience for DHL Stoke.

- **Installation of Charging Pedestals**

The Rolec AUTOCHARGE units were strategically installed to maximise utility and seamlessly integrate with the existing layout of the DHL facility, ensuring minimal disruption to daily operations.

- **Commissioning and Testing**

Post-installation, each unit underwent rigorous testing to confirm its performance and safety. This phase also included setting up the AUTOCHARGE features, such as load-balancing and connectivity options, to ensure they meet the site's specific needs.

Results

- **Enhanced Charging Experience**

The introduction of AUTOCHARGE pedestals at DHL Stoke has significantly improved the charging process, providing a fast, reliable, and user-friendly service to accommodate the increasing use of electric vehicles at the site.

- **Sustainability Impact**

These pedestals enhance DHL's environmental initiatives by offering a more sustainable alternative to fossil fuels and supporting the company's green policies with a reduced carbon footprint.

- **Aesthetic and Safety Enhancement**

The robust and secure design of the AUTOCHARGE pedestals not only improves the visual appeal of the charging areas but also enhances operational safety, crucial for maintaining high standards at the facility.





Conclusion

The successful installation of Rolec AUTOCHARGE EV charging pedestals at DHL Stoke highlights Evitec's dedication to advancing sustainable logistics. This project has provided a robust, efficient EV charging solution, significantly enhancing DHL's operational capabilities and sustainability efforts. The AUTOCHARGE units offer a future-proof design, integrating seamlessly with DHL's national network for optimal energy use and management. This initiative underscores Evitec's commitment to innovation and environmental sustainability, setting a new standard for EV infrastructure in logistics.



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