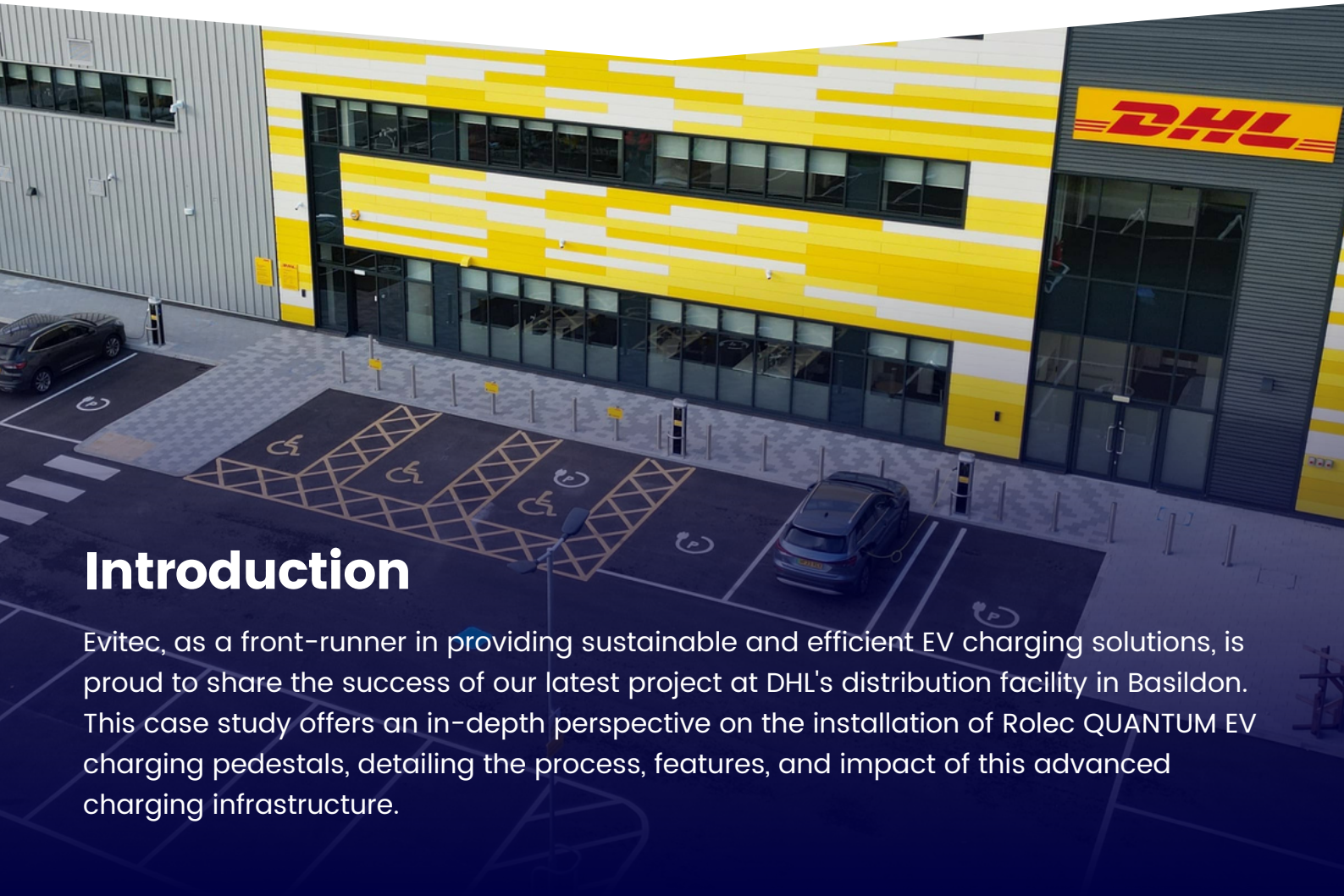




## BASILDON CASE STUDY



### Introduction

Evitec, as a front-runner in providing sustainable and efficient EV charging solutions, is proud to share the success of our latest project at DHL's distribution facility in Basildon. This case study offers an in-depth perspective on the installation of Rolec QUANTUM EV charging pedestals, detailing the process, features, and impact of this advanced charging infrastructure.

### Project Overview

The project involved the installation of Rolec QUANTUM EV charging pedestals, known for their future-proof, feature-rich design. These pedestals are OCPP compliant and are manufactured in the UK, reflecting both global standards and local excellence. The primary goal was to provide a robust, efficient, and aesthetically pleasing EV charging solution for the facility.



# Objectives

- To deliver a cutting-edge EV charging infrastructure that aligns with DHL's sustainability goals.
- To ensure a flexible and user-friendly charging experience through advanced features like plug & charge, mobile app, or RFID-controlled charging.
- To enhance the visual appeal and safety of the charging area with the durable and innovative design of the QUANTUM pedestals.



## Why Rolec QUANTUM Pedestals?

Rolec QUANTUM pedestals were chosen for their exceptional blend of functionality, durability, and design. Key features that made them ideal for the project include:

- **Versatile Charging Options:** With 1x, 2x, or 4x universal charging sockets, they cater to a variety of needs and preferences.
- **High Charging Output:** Capable of up to 7.4kW or 22kW, they offer fast and efficient charging solutions.
- **Integrated RFID Readers:** Enhance user accessibility and security.
- **LED Amenity Lighting:** Increases visibility, enhancing safety and convenience.
- **Dynamic Load Balancing and Static Load Management:** Ensures optimal power distribution and efficient energy use.
- **Multiple Connectivity Options:** 4G, Wi-Fi, and Ethernet connectivity provide flexibility and ease of monitoring and control.



# Execution

- **Planning and Assessment**

An initial site assessment was conducted to determine the optimal locations for the pedestals based on power access, user convenience, and safety considerations.

- **Installation of Charging Pedestals**

The Rolec QUANTUM EV charging pedestals were strategically installed to maximise utility and accessibility. Special attention was given to integrating them seamlessly with the existing infrastructure at DHL Basildon.

- **Commissioning and Testing**

Post-installation, each charging pedestal underwent rigorous testing to ensure functionality, safety, and efficiency. This phase also included configuring the connectivity options and load-balancing features.

# Results

- **Enhanced Charging Experience**

The installation of Rolec QUANTUM pedestals has significantly improved the EV charging experience at DHL Basildon, offering flexibility, speed, and ease of use.

- **Sustainability Impact**

These pedestals contribute to DHL's broader sustainability objectives, providing an eco-friendly alternative to traditional fuel options.

- **Aesthetic and Safety Enhancement**

The design of the QUANTUM pedestals not only adds to the visual appeal of the charging area but also enhances safety with features like integrated LED lighting.

- **Future-Proof Infrastructure**

The pedestals' advanced features and compliance with OCPP standards ensure that the installed infrastructure is future-proof and ready to adapt to evolving EV technologies.





## Conclusion

The Rolec QUANTUM EV charging pedestal installation at DHL Basildon is a shining example of Evitec's commitment to driving the transition to electric mobility through superior and sustainable charging solutions. This project not only meets the practical requirements of an efficient EV charging infrastructure but also aligns with the aesthetic and safety standards expected in modern facilities. As Evitec continues to pioneer in the EV charging sector, projects like these reinforce our dedication to innovation, sustainability, and customer satisfaction.



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