

CASE STUDY

Bells Healthcare Chooses Ratio EV's io7 for Future-Ready Charging Solution



Project Overview

In late 2024, Bells Healthcare completed the installation of four Ratio EV io7 charging units at their Southport facility. This project showcases how expert consultation and smart product selection can create an efficient, scalable EV charging solution that serves both immediate and future needs.

The Client

Bell's Healthcare stands among the UK's top manufacturers of over-the-counter pharmaceuticals, with over 150 product lines and nearly 100 MHRA registered licenses. Their commitment to forward-thinking business practices led them to seek sustainable solutions for their growing EV charging needs.

The Challenge

When Bell's Healthcare began exploring EV charging options, they faced several key considerations:

- Limited electrical connections requiring smart power management
- Need for future expansion capability
- Proximity to residential properties
- Integration with existing solar PV infrastructure
- Maintaining site aesthetics

The Solution

Working with AMP EV, a specialist charging infrastructure company, Bell's Healthcare selected the Ratio EV io7 charging system. The installation includes:

- Four 7kW charging units
- Dynamic load management across all units
- Expandable infrastructure for future growth
- Smart lighting with less than 2% light pollution
- Integration with existing solar PV systems

The io7's features proved ideal for the site, offering elegant design alongside practical functionality. The system's lighting head provides ambient illumination during darker months while considering neighbouring properties, and its modular design supports future expansion should more EV chargers be installed.





The Installation Process

AMP EV's thorough approach ensured smooth project delivery:

1. Initial Assessment

- Detailed site survey
- Needs analysis
- Power requirements assessment

AMP EV stands apart from standard electrical contractors through their comprehensive, consultative approach. Their process begins long before any physical installation, starting with personal face-to-face meetings to understand their clients' goals and needs. While many contractors have moved away from on-site surveys, AMP EV maintains this crucial step, believing in the value of personal relationships and direct assessment.

During initial consultations, the AMP EV team provides live demonstrations of their back office system, walking clients through sample case studies that showcase real-world applications. This hands-on approach helps clients fully understand the capabilities and benefits of their chosen system.

The planning phase demonstrates AMP EV's attention to detail. They create custom GANTT charts that outline the complete program of work, considering everything from electrical infrastructure requirements to future expansion possibilities. Their dynamic load management strategy ensures optimal system performance within existing power constraints.

2. Implementation

- Pre-installation testing of all units
- Infrastructure sized for future expansion
- In-house groundwork team deployment
- System integration and commissioning

Quality control sits at the heart of AMP EV's process. Each charging unit undergoes pre-commissioning in AMP EV's workshop, including full testing with back office systems before reaching the site. This thorough preparation prevents potential issues during installation.

What truly sets AMP EV apart is their commitment to using in-house teams for both groundwork and electrical installation. Unlike many contractors who rely on subcontractors, AMP EV maintains complete control over quality and timing through their specialized crews. The process begins with pre-start meetings where groundwork teams review the installation program in detail. Their electrical team then follows with the technical installation, ensuring every aspect meets their exacting standards.

This methodical approach, combining careful planning with in-house expertise, helps prevent common installation challenges. The results speak for themselves - Bells Healthcare reported that both the installation process and final outcome exceeded their expectations.

Results and Benefits

The installation has delivered multiple advantages for Bell's Healthcare:

Business Benefits:

- Enhanced ESG performance
- Future-ready infrastructure
- Efficient power management
- Solar PV integration

Practical Benefits:

- User-friendly back office system
- Smart ambient lighting
- Seamless power distribution
- Professional aesthetics

Looking Forward

The Bells Healthcare installation demonstrates the value of careful planning and choosing the right products. Their new charging infrastructure supports current needs while remaining ready for expansion as EV adoption grows.



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Want to Learn More?

To discover how Ratio EV charging solutions could benefit your business, contact our team for a consultation.

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