

# Amey Highways Upgrades Fleet Charging with Ratio EV's io7 System



**EVC SOLUTIONS**  
The Electric Vehicle Charging Specialists

## Project Overview

Amey Highways, working with Staffordshire County Council, has upgraded its fleet charging capability with two Ratio EV io7 22kW single-socket pedestal chargers. The installation supports their shift toward low-emission operations and replaces slow three-pin charging with a faster, smarter, fully managed system. The project strengthens operational efficiency and gives the team accurate charging data through EVC Connect.

## The Client

Amey Highways is a major provider of infrastructure services across the UK. The company manages highways, bridges, and large public-realm assets. With a growing electric fleet and clear zero-emission targets, the team needed dependable charging infrastructure that could support staff working across wide areas of Staffordshire.

## The Challenge

Amey faced three issues that limited day-to-day operations.

- Slow charging from domestic sockets created long waits and reduced vehicle availability.
- Drivers covered large areas with limited range, which increased downtime when using public chargers.
- The team had no visibility of charger use, energy consumption, or driver behaviour.

Amey and Staffordshire County Council required a partner who could assess the site, design the right system, install higher-capacity chargers, and provide a management platform with strong reporting tools.

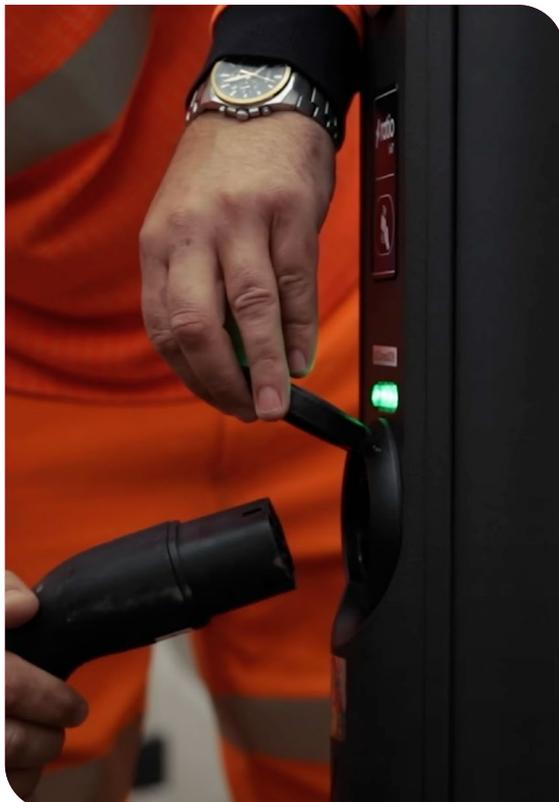
## The Solution

EVC Solutions completed a full survey and identified that the planned 7kW units would restrict fleet performance. The team designed a load-balanced layout that allowed Amey to install two 22kW Ratio EV io7 pedestals without upgrading the site's electrical supply.

## The installation included:

- Two 22kW Ratio EV io7 single-socket chargers
- A fully load-balanced setup for efficient power distribution
- Integration with EVC Connect for remote management and reporting
- A three to four week delivery window from approval to completion

EVC Connect gives Amey complete visibility over charging sessions, energy use, and driver activity, supporting both daily operations and long-term electrification planning.





## The Installation Process

AMP EV's thorough approach ensured smooth project delivery:

### 1. Strategic Planning

- Survey of existing electrical capacity
- Load-balancing design to allow 22kW charging
- Review of operational patterns and future fleet plans

### 2. Collaborative Implementation

- Close work with Amey's Transport team
- Minimal disruption during installation
- Rapid delivery from approval to commissioning

### 3. System Integration

- Setup of EVC Connect
- Driver RFID access configuration
- Real-time monitoring and reporting

## Results and Benefits

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

### ESG and Sustainability Benefits

- Clear evidence of carbon savings compared with diesel vehicles
- Data to support fleet decarbonisation plans
- Lower operational emissions across Staffordshire routes

### Operational Benefits

- Faster charging during the working day
- Better fleet availability and reduced downtime
- Complete visibility of usage and energy consumption
- Simple RFID access for all drivers
- Scalable infrastructure for future fleet expansion



## Outcome

Amey's depot is now operating with faster charging, higher fleet uptime, and better reporting. The system supports day-to-day operations and gives the team a clear pathway to expanding their electric fleet. Staff feedback has been positive, and the organisation is now planning further EV investment.

“

The team are over the moon. It has been smooth from start to finish, and we are ready to order more EVs.

”

**Neil Thorneycroft**

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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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