

# Power Optimisation Across Stagecoach Bus Depots

## Driving Cost Efficiency and Energy Intelligence with VEV

**Client**

Stagecoach Group

**Sector**

Public Transport

**Scope**

Multi-depot power cost optimisation for over 150 electric buses

**Technology**

VEV-IQ Smart Charging Platform

"With VEV, we've found a partner that truly understands both fleet operations and the energy markets. Their intelligent approach to charging and power strategy is helping us run our electric buses more efficiently and more affordably."

**Tony Cockcroft**

Asset Management Director,  
Stagecoach

## The Challenge

With over 10% of its 8,400 strong bus fleet already electrified, Stagecoach is one of the UK's most advanced EV fleet operators. However, while overall energy costs will fall with vehicle electrification, increasing power consumption across sites brings rising electricity costs, risks and complexity, especially in the face of volatile energy markets.

Having already partnered with VEV for the rollout of charging infrastructure across multiple depots, Stagecoach also has trusted VEV to manage the procurement and optimisation of power, unlock cost savings and improve control over energy use across some of their electric fleet. This needed to be done without compromising vehicle readiness or operational reliability.

## VEV's Approach

VEV delivered an integrated energy solution designed to optimise charging costs and lower the Total Cost of Ownership (TCO) of Stagecoach's electric fleet.

**Key components included:**



### Smart charging schedules

optimised via the VEV-IQ software platform, controlling charging to follow price shape, manage load dynamically within electrical constraints, and to meet operational needs.



### Depot infrastructure

right-sizing to ensure long-term flexibility and cost control.



### Customised power supply models

tailored to the needs of the EV fleet.



### Blended risk management

strategies balancing hedging with real-time market exposure.



### SLAs

to support full fleet readiness every day.

## The Results

VEV's power cost optimisation programme covers over 150 electric buses and c. 15 GWh of annual energy use across multiple Stagecoach electric depots. By combining deep operational insight with energy market intelligence, the solution is delivering c. 20% savings versus current benchmarks.

The smart charging algorithm ensures chargers operate at the lowest possible cost, within operational constraints, while guaranteeing every vehicle is ready to depart on schedule.

## About VEV

VEV is a Vitol-owned company delivering end-to-end fleet electrification, from infrastructure and smart charging to bespoke energy supply and optimisation. With VEV's proprietary software platform, VEV-IQ, and deep expertise of energy and electrification, VEV helps fleet operators transition to zero-emission transport at scale, without compromising cost or reliability.



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can help you on your journey to  
fleet electrification

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Case Studies



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