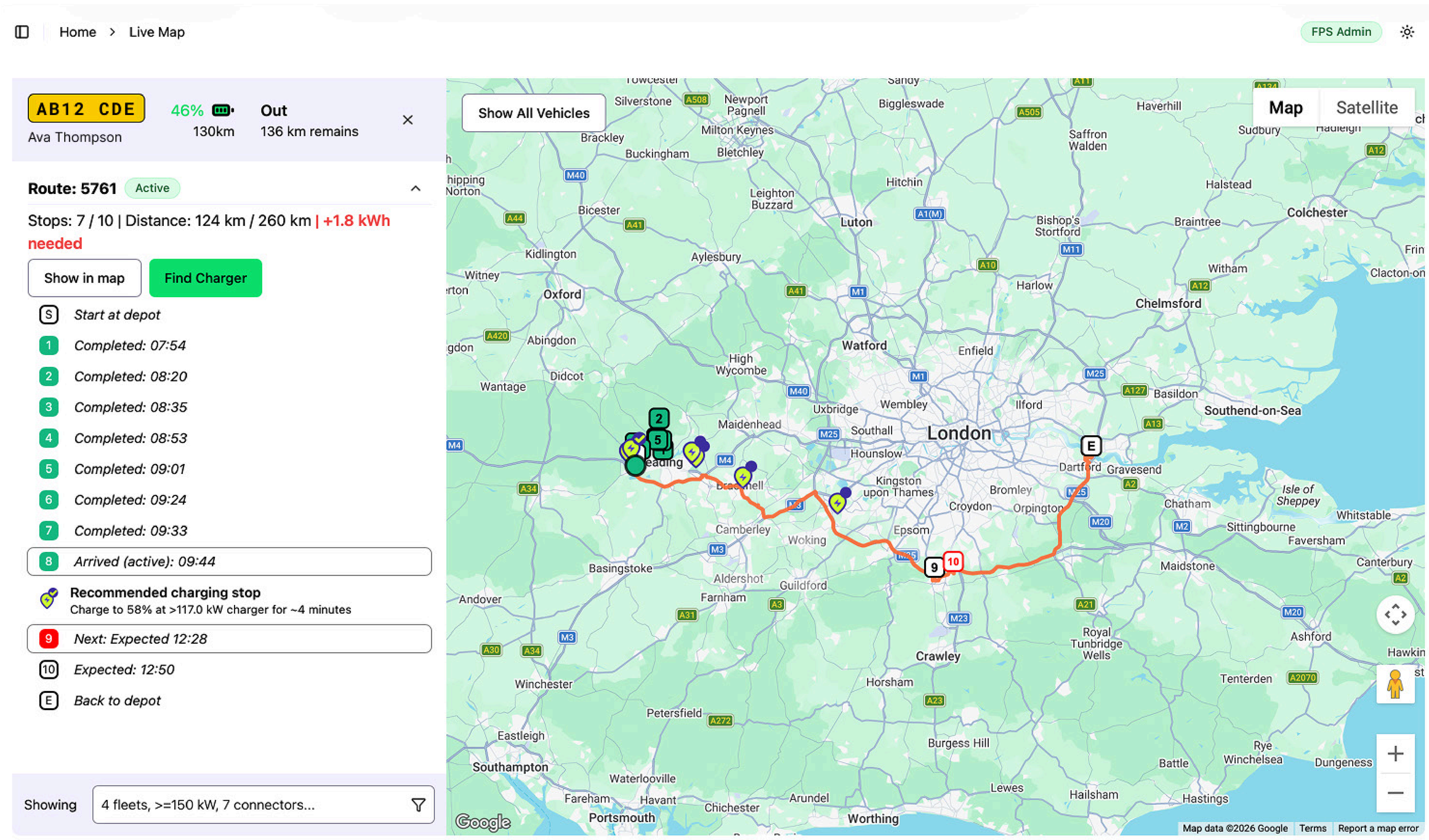


FPS Operate - Optimisation

The optimisation module automates key decisions like where and when to charge to ensure that choices are optimal based on the very latest data entering the system. Automation of decision making reduces management time requirements.

System Overview

The optimisation module automatically interprets data collected by the Core platform and uses this to optimise:

- Vehicle to route or task allocations
- On route charging stops
- Charging rates and times (smart charging)

Features

Vehicle to Route Allocation

Vehicle range is managed in multi-shift or job applications by automating vehicle/task assignments.

- Factors accounted for include current vehicle state of charge, journey energy requirements, weather, route departure and arrival times, remaining charging time, potential charging windows, shift patterns and available charging assets.
- Recommendations can be delivered via the app, email or directly into the transport management system.
- Allocations can be run day ahead or multiple times within the day.

On Route Charge Planner

Charging costs and driver downtime are minimised through optimal on route charging decisions.

- Factors accounted for include current vehicle state of charge, driver performance, journey energy requirements, charging powers, available charging connectors, diversion from route, preferred networks and labour costs.
- Recommendations for single locations or sets of options can be delivered via the app, email or directly to the transport management system.
- Recommendations can be run in advance or on demand.

Smart Charging

Charging costs and peak power demand are minimised through optimal charging profiles.

- Factors accounted for include electricity prices, forecast site headroom, journey departure and arrival times, individual vehicle energy requirements, required safety margins, available chargers.
- Charging profiles are assigned to individual vehicles and delivered to chargers via our charge point management system.
- Charging optimisation runs both advance and across the day.

About Flexible Power Systems

Flexible Power Systems (FPS) is a UK based technology company that specialises in software solutions that unify operations and energy management for commercial vehicle fleets.

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