

Hitachi ZeroCarbon

# Introducing ZeroCarbon Charge

EV fleet charging software you can trust

**HITACHI**







## Your opportunity

The EV transition is more than just phasing out your diesel vehicles. It requires a completely different approach to fleet management that provides opportunities to drive new revenue streams and business efficiencies.

Through electrification, you will find yourself in the business of fleet and energy optimization. You will need to manage your fleet's charge based on energy tariffs, grid and battery capacity, and telematic data to ensure each vehicle is ready for its intended route.

This requires a technology-agnostic software solution that can work with your existing infrastructure and manage all your EV and charging operations in one place.

**ZeroCarbon Charge is a premier point management solution and managed service you can trust. It's a modular solution, tailorable to your needs, providing:**

-  Smart fleet charging at the lowest possible cost
-  Operational continuity
-  Real-time alerts and daily fleet reports, de-risking your operations
-  Dynamic load balancing and grid management
-  In-and-out of depot live vehicle monitoring
-  24/7 service desk support, giving you operational peace-of-mind



## What do you need to consider?

Fuelling your EV fleet will be different to ICE vehicles. Not all charge durations need to be the same, and they can be optimized based on route, existing charge status and battery degradation levels.

You need to consider:

- **When is most cost-effective to charge your vehicles at the depot, based on tariff price**
- **How to balance demands on the grid with your charge requirements... Charging every vehicle throughout the night might not be the most efficient solution!**






- **En-route charging is often accompanied by delays with queues at public stations**
- **There are regional restrictions on grid usage, causing operational downtime**

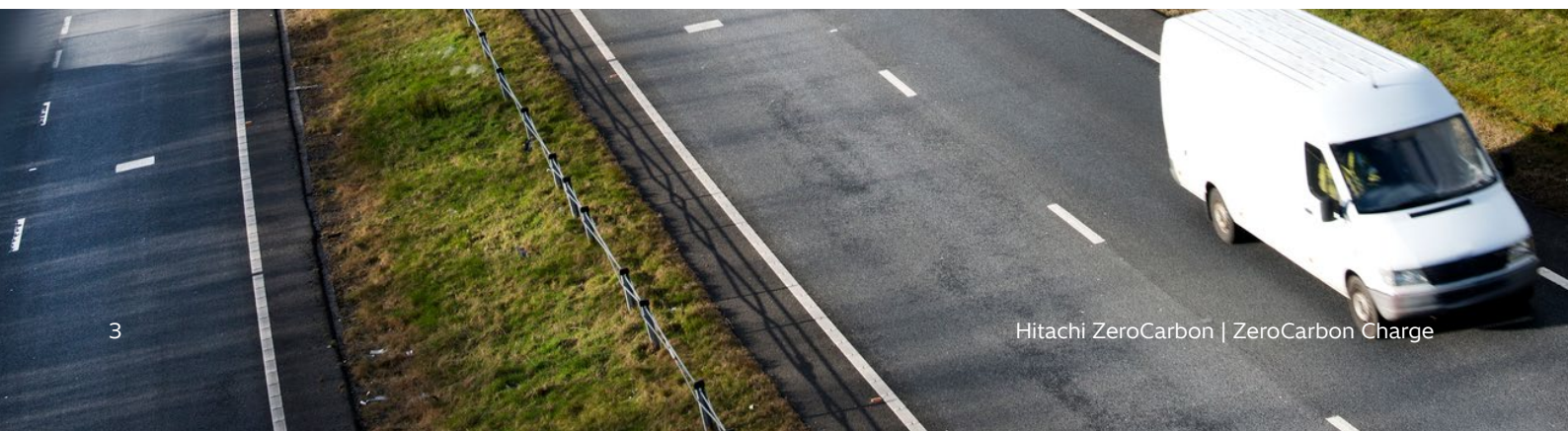
You need to think holistically about the EV charging ecosystem and combine strategic route planning with telematic insight and vehicle management to manage your fleet effectively.



# What does ZeroCarbon Charge offer you?

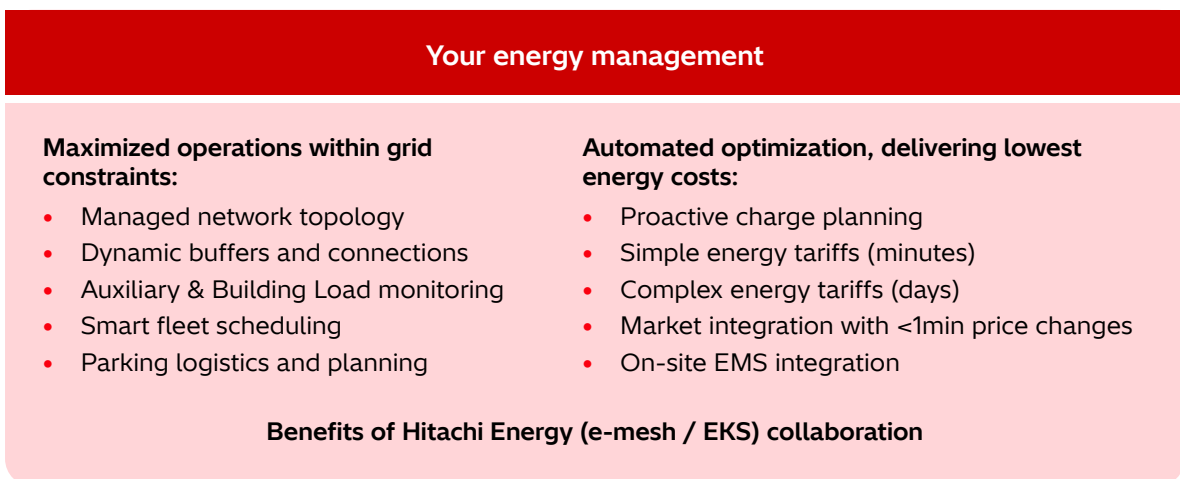
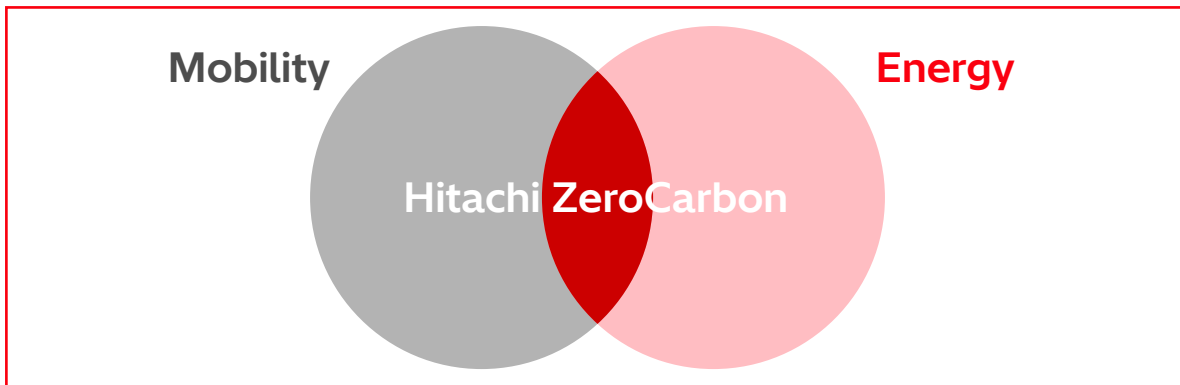
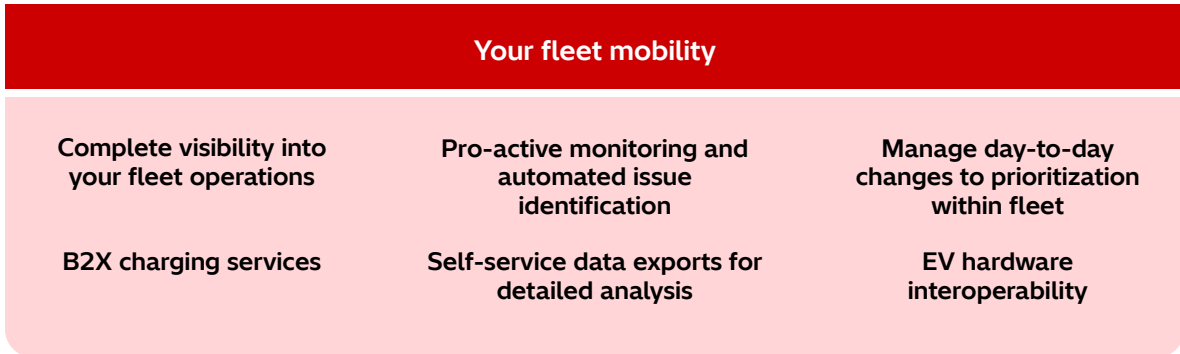
ZeroCarbon Charge ensures your fleet is always charged at the lowest cost, while de-risking your operations.

-  **Overcome energy constraints:** Our load balancing capabilities safely gets the most from your existing grid connection and minimizes costly grid upgrades.
-  **Centralized view of all EV operations:** Regardless of your location, charger hardware or vehicle type, monitor all your EV fleet and charging operations in one place.
-  **Optimized charging to reduce costs:** Leverage tariff optimization to charge when electricity is cheapest without impacting your fleet operations.
-  **Smart scheduling to de-risk operations:** Prioritize specific vehicles to charge based on departure times, energy demands and depot parking constraints, to ensure fleet resilience.
-  **Real-time alert and proactive monitoring:** Receive direct alerts when charging risks or issues are identified and gain assurance from proactive EV monitoring.



# Blending mobility and energy management

ZeroCarbon Charge sits at the intersection between mobility and energy management. We believe that the real opportunity in electrification is in understanding how to optimize your energy to maximize fleet uptime and keep costs down.





## Are you ready to find out more?

Hitachi ZeroCarbon provides bespoke consultancy and implementation support to ensure you maximize the impact of ZeroCarbon Charge on your fleet operations. **Get in touch with us now to see what difference we can make to the future of your fleet.**

[Get in touch with us now](#)