

100% ELECTRIC



Transport
Planner



Fleet
Manager



EV driver



Site Manager
& Retailer

Transport Monitoring

EV Monitoring

Switching to electric vehicles isn't a small step, it's a strategic and financial commitment. Especially with the road charges for trucks (HGV toll), where any non-electric alternative quickly becomes costly, you want to make every electric kilometre count. But many fleets are still small, meaning that unexpected downtime can have a direct impact on both cost and planning.

EV monitoring in the Simacan Control Tower helps you avoid that. You get real-time control over your electric fleet, from battery status to charging moments, from route visibility to emission zones. You plan, monitor and adjust, Simacan calculates and flags. This is how you keep your operation reliable, sustainable, and cost-effective.

Real-time insights into range, battery status and sustainable decisions on the road

Always in control of your battery range, status and charging needs:

- ✓ Live battery status per vehicle
- ✓ Automated alerts for insufficient battery range
- ✓ Charging points visible in the trip view
- ✓ Direct insight into emission zones along the route (LEZ & ZEZ)
- ✓ Increased reliability in planning and operations
- ✓ Ready for future integration with public and private charging infrastructure

Value in practice

Transport Planner & Fleet Manager

Transport planners and coordinators get real-time insights into the battery status of active vehicles. Is the range too low? You'll instantly receive an alert so you can act in time, schedule a charging point, switch vehicles, or adjust the route. Even when the route changes on the go, the system recalculates live. No stress, just smart steering. Maximise uptime, minimise surprises.

EV driver

EV monitoring also brings peace of mind to drivers. No more uncertain stops, and no more range anxiety. The question "Will I make it?" is a thing of the past. The live battery status, route and scheduled charging points are clearly visible. Combined

with tools like the Simacan Route Book, this results in less stress and more control, even for those new to electric driving.

Site Manager & Retailer

In cities with (zero-)emission zones, EV monitoring truly shines. Preferred routes, visibility of suitable charging locations for your fleet, and real-time status updates make sustainable driving a reality. Site managers can guide behaviour more actively, leading to fewer emissions and smoother, cleaner deliveries

Key features of EV monitoring

► Pre-trip: preparation and insight

Trip & vehicle matching with EV check

When assigning vehicles to trips, you immediately see whether the planned range is sufficient, no guessing, just data. Accidentally assigning a diesel vehicle to an electric trip? The system alerts you, ensuring a clean operation and preventing last-minute issues.

Planned and unplanned charging moments

Charging actions included in the initial planning are displayed in the trip view. Charging needs arising during execution can be added on the fly, including driver instructions.

► On-trip: live updates & route control

Live recalculations

Route changed during the trip? No problem, the system instantly recalculates range and charging needs.

Geodata integration

Emission zones, road closures and current traffic conditions are automatically factored into planning and monitoring.

Real-time alerts & alternatives

When battery range or trip planning becomes critical, you receive an instant alert with actionable suggestions, from inserting a charging moment to changing the vehicle or even requesting assistance. All operational updates are sent directly to drivers via onboard computers or mobile apps. At the same time, customers and supply chain partners receive automated updates, ensuring seamless communication and expectation management.

► Post-trip: insights & optimisation

Smarter decisions with better insights

After the trip, recorded data becomes valuable input for analysis and fleet optimisation. Learn where EVs perform best, and where there's still room to improve.

Green and smart

More reliable electric trips turn sustainability into an everyday operational advantage.

Integrations

With a Simacan Control Tower account, EV monitoring is plug-and-play. As soon as an electric trip is scheduled, all related data is shown in real-time. Simacan is ready for integration with CPO platforms (Charge Point Operators) for charging times and locations, and supports distinction between different charging point types. We're continuously building the next steps.

