

Telematics RFP checklist for EV support



Use this checklist to verify your telematics provider has everything you need to fully support the adoption and management of the electric vehicles in your fleet.



Determining EV suitability

Geotab

Other provider

Range capability

Determine which vehicles currently on the market meet your fleet's needs.

Note: This should be informed by real-world range capabilities of EVs in the market today.

EV Suitability Assessment
Add-on (free)

Total cost of ownership (TCO)

Create a more accurate representation of the true cost of the EV over its lifespan. This will include savings from reduced fuel and maintenance costs.

Note: You should have the ability to include applicable rebates that reduce the initial procurement cost.

EV Suitability Assessment
Add-on (free)

Projected carbon emission reduction

Understand the potential environmental impact by reviewing the estimated amount of avoided CO₂ emissions.

EV Suitability Assessment
Add-on (free)



Operating electric

State-of-charge

Monitor the amount of energy remaining in the EV's battery in real time. Represented as a percentage, ideally reported at every 1% change.



Detailed live map view

View the location of all fleet vehicles on a map, with detailed information like EV state-of-charge (SOC).



Electric energy economy

Track performance and manage costs by calculating the total electric energy consumed over the total distance traveled.



Active charging status

Quickly identify which EVs are charging, their location and when their charging cycle will be complete.

EV Charge Assurance
Add-on (free)



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Alerts and notifications	Send customized emails, SMS text messages or push notifications to both the management team and the driver. Enable alerts for specific situations, such as “low SOC” or “EV not charging”.	✓	
Fuel and EV energy usage	Measure energy used while driving in kWh or Wh, and in fuel economy equivalents (e.g., MPG-e). For Plug-in Hybrids (PHEVs), the ability to measure fuel consumption and compare it to the amount of energy used.	✓	
EV charging history log	Track all charging events and report on key metrics including: <ul style="list-style-type: none"> • Start/end date and time • Location by GPS and street address • Geofence (Zone) • Starting/ending charge % (SOC) • Energy added (in kWh and Wh) • Max power (in kW and W) of the charge event • Current (AC or DC) • AC voltage 	✓	
Energy added from non-charging (regenerative) sources	Track the amount of energy recuperated through regenerative braking, in kWh and Wh.	✓	
Monitor driver behavior	Identify opportunities for improving efficiency and sustainability practices including: <ul style="list-style-type: none"> • Idling time • Harsh events • Charging exceptions • Using electric energy as much as possible (PHEV) 	Green Fleet Dashboard Add-on (free)	
Detailed cost analysis for charging	Get a detailed view of EV charging and its associated costs: <ul style="list-style-type: none"> • Hourly energy and cost breakdown • All charging events, inside and outside of selected zones • Cost breakdown by zone or vehicle 	EV Charging Cost Add-on (free)	



Customization

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Other provider

Geofences

Optimize routing and EV utilization by creating established “zones” for areas that have vehicle restrictions, such as “low emissions zones.”



EV-specific units of measurement

Toggle between EV-specific units of measurement to more accurately compare to ICE vehicles.



- L-e/100 km
- km/L-e
- kWh/100 km
- Wh/km
- km/kWh
- MPG-e (US)
- MPG-e (Imp)
- kWh/100 mi
- Wh/mi
- mi/kWh



Support

Mixed fleet capability

Manage your EVs and ICE vehicles within the same platform, allowing you to accurately compare their efficiency.



Model support

Meet current and future needs by ensuring data insights are supported across a variety of makes/models.



Partner integration

Supports integration with related companies within the EV ecosystem including:

- Charging equipment
- Smart-charging solutions
- OEM integrations



Drive the future of your fleet forward with confidence: Visit www.geotab.com/ev or email evsales@geotab.com