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

		Geotab	Other Provider
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 travelled.	✓	

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Operating Electric		Geotab	Other Provider
Active charging	Quickly identify which EVs are charging, their location and when their charging cycle will be complete.	**EV Charge Assurance** Add-on (free)	
Alerts and notifications	Send customised emails, SMS text messages or push notifications to both the management team and the driver. Alerting them to 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: • 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 behaviour	Identify opportunities for improving efficiency and sustainability practices including: • 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. • 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)	

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Customisation		Geotab	Other Provider
Geofences	Optimise routing and EV utilisation 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 • MPG-e (US) • km/L-e • MPG-e (Imp) • kWh/100 km • kWh/100 mi • Wh/km • Wh/mi • km/kWh • mi/kWh	✓	

Support		Geotab	Other Provider
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 that 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 forwards with confidence:
Visit **www.geotab.com/uk/ev** or email **infouki@geotab.com**.

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