Go electric with Geotab's EVSA

Whether your fleet is starting out or has already embraced the move to electric vehicles (EVs)... Geotab can help.

Create an EV adoption strategy

Accurately project the environmental and cost savings of fleet electrification.

EV Suitability Assessment (EVSA)

The Geotab EVSA uses telematics data to understand a fleet's specific needs and makes EV adoption recommendations. We measure real-world EV performance metrics, financial savings and the environmental benefits to help you electrify with confidence.

Discover how to go electric with the push of a button. An EVSA:

- Includes comprehensive make/model support
- Analyzes Geotab's real-world data for strong EV procurement recommendations
- Leverages ratings from the U.S. Environmental Protection Agency (EPA) and Worldwide Harmonized Light Vehicle Test Procedure (WLTP) for EV models
- Incorporates environmental factors like localized ambient temperature to determine range capability
- Features an intuitive and user-friendly design

What can an EVSA tell me?

Best fit analysis

Determine which vehicles are the best candidates for replacement by EVs. Analysis covers vehicle type, range capability and projected cost savings.

Range assurance

Determine range capabilities specific to your fleet's needs including:

- Does the EV meet your drivers' range requirements?
- Is an overnight charge enough?
- Will the battery still cover my required range in extreme weather conditions?

Cost analysis

Understand if going electric will actually save money and, if so, how much? Determine how your cost structure may change.

Environmental impact

Understand how much your fleet can reduce CO_2 emissions and fuel consumption.

GEOTAB

Operate Electric with Geotab

Geotab helps fleets streamline operations by monitoring Battery Electric Vehicle (BEV) and Plug-in Hybrid Electric Vehicle (PHEV) performance, understanding charging and using real-time state of charge data to dispatch the right vehicles.

MyGeotab reports

The **Fuel and EV Energy Usage Report** includes both fuel and EV energy usage -- covering the overall performance and helping answer questions such as the typical electric range and the performance of fleet EVs compared with fuel cars. This report provides insights into battery use; if it is being maximized, and identifying any Plug-in Hybrid Electric Vehicles (PHEVs) that are running solely on gas.

The **EV Charging Report** provides a complete charging history of the vehicle, including where and when the EVs are charging, the length of time the EVs were charging at a specific location and the amount of charge they actually received. This gives insights into why EVs have the current battery percentage charge.

MyGeotab Map

The MyGeotab Map functionality includes **real-time battery charge % (state of charge)**, to identify which EVs in the fleet have the most (or the least) battery charge, and **charging status**, to view who is actively charging at any given time. This not only helps prioritize who needs to charge, but also increases response time when a vehicle, such as service van or taxi, needs to be dispatched to a customer location, by finding the nearest vehicles, which also have enough battery charge.

Built-in rules and custom notifications designed for successful EV management

- Receive notifications when the battery of a vehicle reaches critical level while on the road and needs to be charged

- Remind drivers when it's time to plug in and prioritize charging order for fleet EVs based on lowest charge level

- Identify when a plug-in hybrid electric vehicle (PHEV) is running on fuel only and not optimizing its electric cost-savings potential

- Establish 'no-charge time' rules to eliminate charging during peak electricity rate times and receive notifications when a vehicle is charging during that time.