

The future of vehicle fleets

Companies are under pressure to make their operations more efficient and sustainable. One area primed for transformation is vehicle fleets. By transitioning from internal combustion engine (ICE) vehicles to electric vehicles (EVs) and adopting smart fleet management technology, firms can improve their fleets' sustainability, running costs, and reliability.



The future of vehicle fleets

55%

The reduction in carbon footprint achieved by transitioning a fleet of 143 ICE vans to EVs.ⁱ

€20,000

The potential cost saving of using an EV rather than an ICE over a 10-year period.ⁱⁱ



5-10%

Potential reduction in maintenance costs using predictive fleet management solutions.ⁱⁱⁱ



3 steps for fleet modernisation

Step 1:



Take stock of your vehicle fleet

The first step to any transition is identifying the current status of your vehicle fleet. This means determining which ICE vehicles are especially inefficient or close to end-of-life, and earmarking them for replacement with EVs.

>10%

The majority of firms have transitioned less than 10% of their fleet to EVs.^{iv}

Step 2:



Consider a smart fleet management solution

Alongside electrification, a smart transition in the way you manage your fleet can increase operational efficiency and optimise maintenance processes. Determine what existing systems are in place and whether a smart fleet management solution would drive better outcomes.

90%

Almost all firms still manage their vehicle fleet manually on Excel spreadsheets.^v

Step 3:



Model potential savings

The best way to ensure organisational buy-in is to produce a financial model for asset recovery from the vehicles being replaced, the cost of vehicles being acquired, as well as a smart management solution, and expected return on investment over time. The carbon offset can be measured too.

100,000 tonnes

UPS calculated that smart technology saves CO2 emissions every year.^{vi}

ⁱ <https://energysavingtrust.org.uk/case-study/defra/>
ⁱⁱ <https://nickelinstitute.org/media/8d9058c08d2bcf2/avicenne-study-tco-eu-and-uk-automotive.pdf>
ⁱⁱⁱ <https://www.mckinsey.com/capabilities/operations/our-insights/ask-an-expert-capturing-fleet-impact-from-telematics>
^{iv} ODO Drive.
^v <https://ododrive.com/case-study/my-big-green-fleet/>
^{vi} <https://about.ups.com/content/dam/upsstories/assets/reporting/2019-UPS-Corporate-Sustainability-Progress-Report.pdf>

