
# Data-driven fleet planning tools for cost saving & decarbonisation

DYNAMON

Empowering fleets for tomorrow. Today

AFP Association of Fleet Professionals

THE EV Café

RHH

Zemo Partnership
Accelerating Transport to Zero Emissions

SILVER | Top 15%
ecovadis
Sustainability Rating
MAR 2024

# A planned transition is a low-cost transition

| | | |
|---|---|---|
| Understand the optimum Vehicles and infrastructure across all depots. | Maintain business continuity and minimise disruption | Provide certainty to all departments and management layers of your business. |
| Meet company sustainability goals cost-effectively | Retain customers and win new business | Increase long-term growth and profitability |

**Key benefits**

- Avoid overspend on capital equipment
- Maintain service quality and business reputation
- Minimise cost of fleet electrification

# Cost Differences Across Chargers and Battery Sizes

**Charger**

Cost

- **7kW** — €2k
- **22kW** — €5k
- **50kW** — €30k
- **150kW** — €75k

**Van - Battery size**

Cost

- **50kWh** — €47k
- **75kWh** — €66k
- **90kWh** — €73k

**Trucks - Battery size**

Cost

- **400kWh** — €200k
- **500kWh** — €250k
- **600kWh** — €300k

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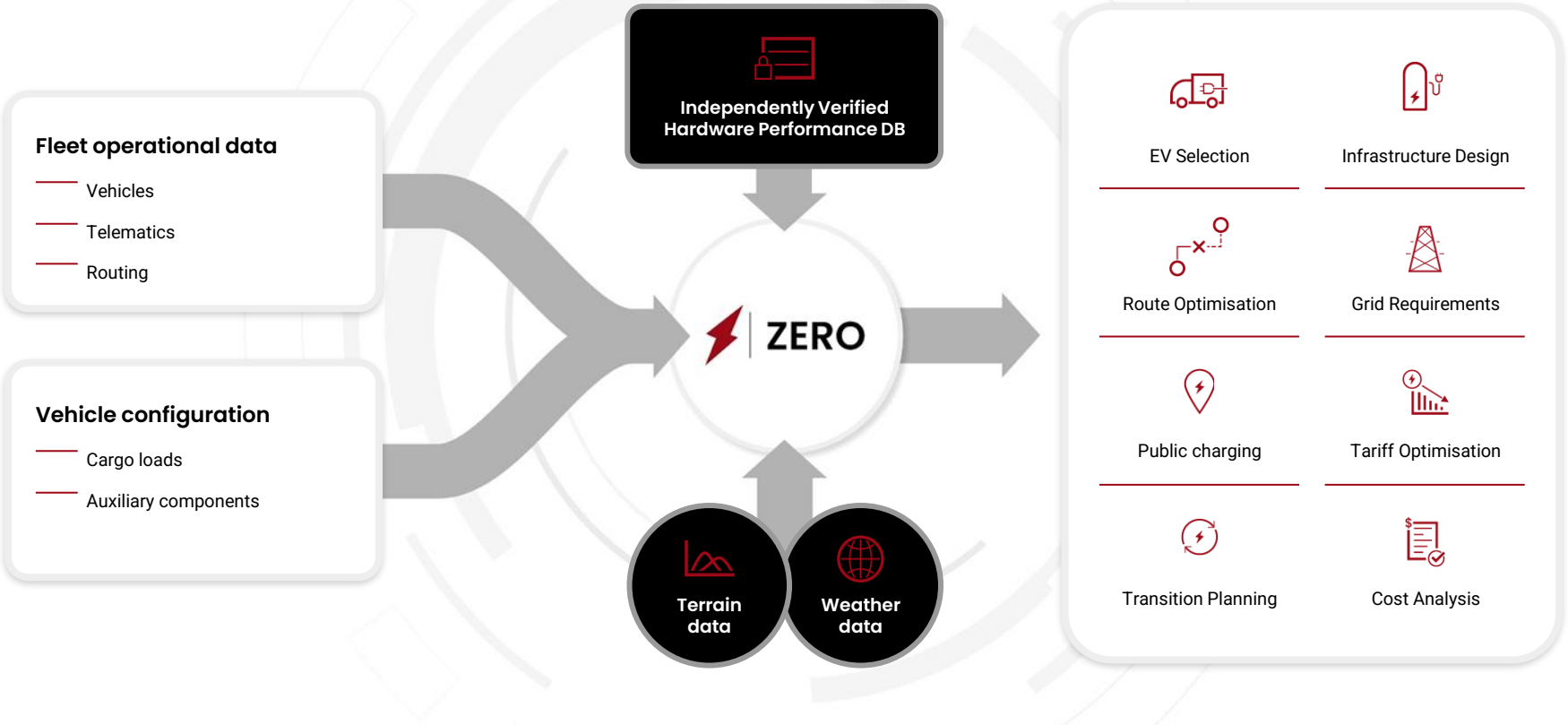
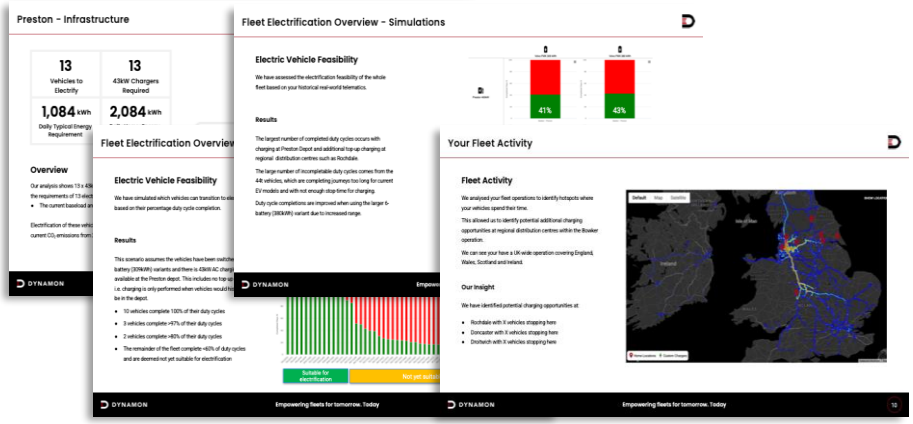
# ZERO

# How Zero Works



# Say Goodbye to Complex and Expensive Fleet electrification

**Comprehensive report for fleet electrification at a fraction of the typical £50,000 consultancy cost**




ZERO by DYNAMON

**ZERO Electrification Planning Report provides clear, data-backed answers to key questions:**

- Which electric vehicles and charging setup—number and power—best fit your operation??
- Which vehicles should be electrified, when should this happen, and what's the best rollout strategy?
- What low-carbon fuel alternatives are viable for operations where EVs aren't the best fit?
- What are the total cost of ownership (TCO) implications and projected $CO_2$ savings?

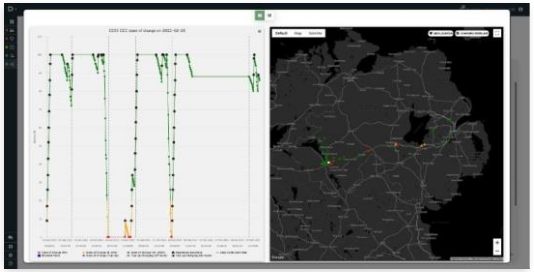
**Prices tailored to your fleet size**

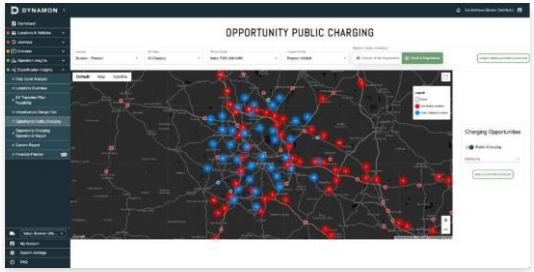
| | |
|---|---|
| **£4,990**<br>For up to 50 vehicles | **£6,990**<br>For 50 to 100 vehicles |
| **£8,990**<br>For 100 to 200 vehicles | **£10,990**<br>For 200 to 300 vehicles |

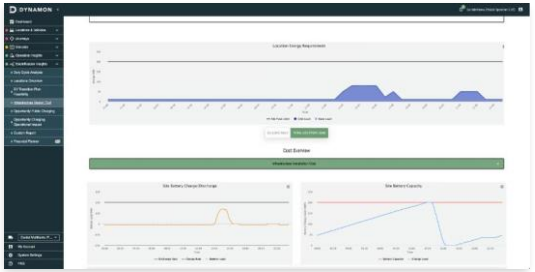
**Price on request for 300+ vehicles**

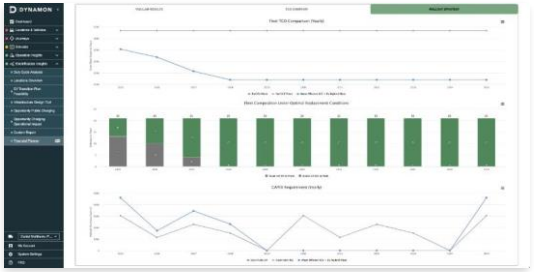
# ZERO - Key Benefits

| | |
|---|---|
| EV selection and range prediction | Grid & infrastructure design |
| Public charging & route optimisation | Total cost analysis & tariff optimisation |





# How To Work With Dynamon


## Direct

Royal Mail · currys · Transport for London · ASDA · Metropolitan Police · Sainsbury's

## Consultants

Baringa · ARUP · e-motions · PA · CGI · TRC

## Partners

Telematics · Charging Infrastructure · Leasing · OEMs

VOLVO · TOYOTA · Teletrac Navman · bp pulse · webfleet · Zenith

02

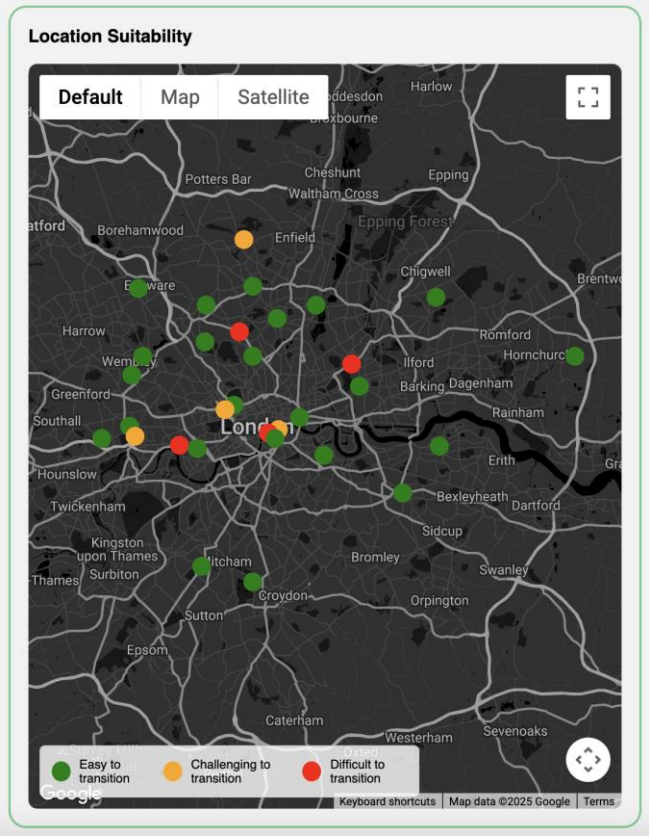
# Use cases

DYNAMON

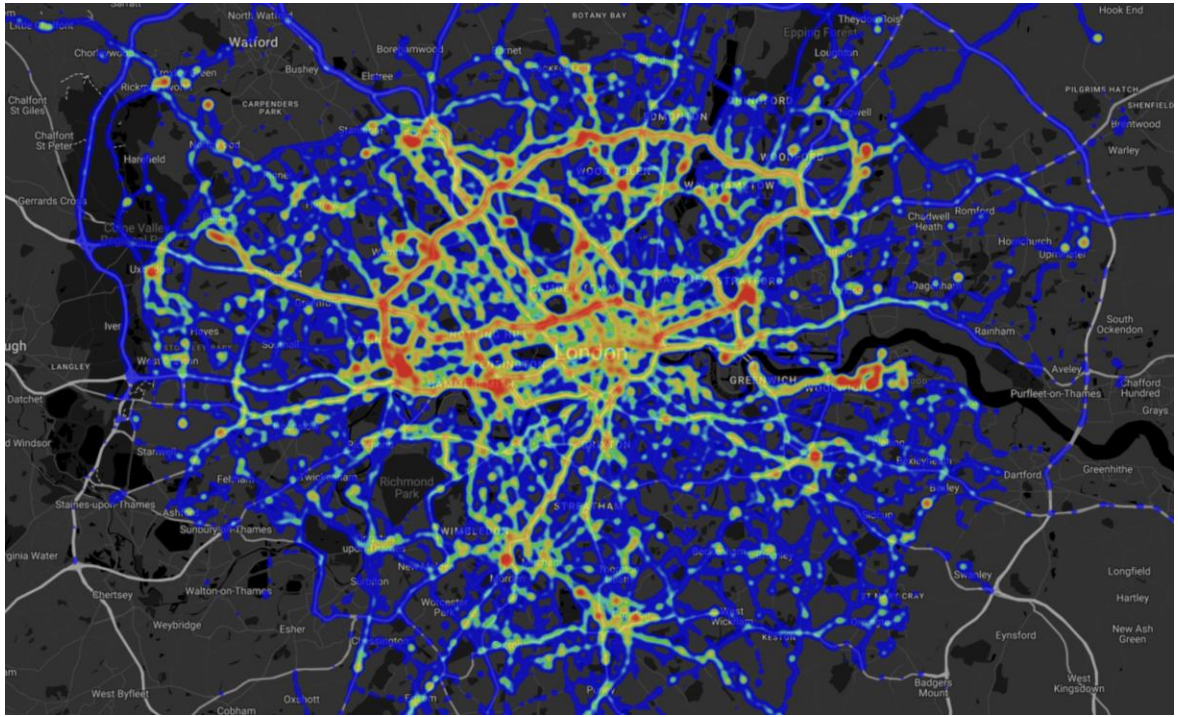
WORKING IN PARTNERSHIP

Transport for London

# Transport For London – Engineering Services Fleet



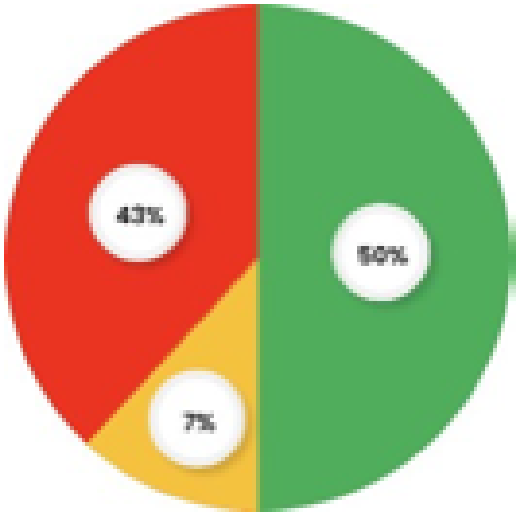

# Transport For London – Engineering Services Fleet




ZERO

Transport for London

- 859 Vehicles
- Telematics data integration
- 100 driving days per vehicle
- 4.4 million kms analysed
- 356 Depot Locations analysed




## Results overview

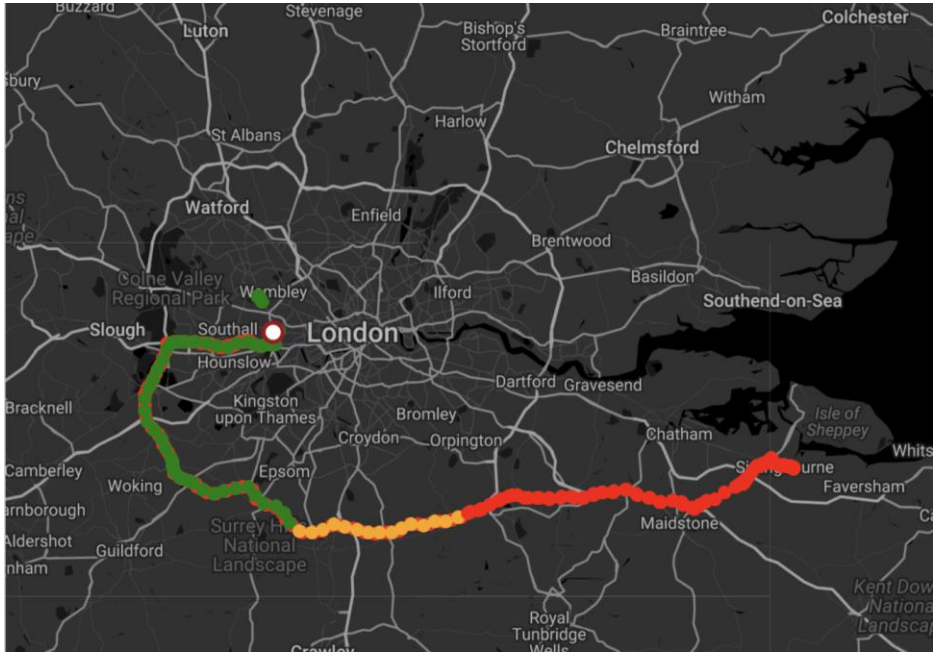
(859 vehicles analysed)

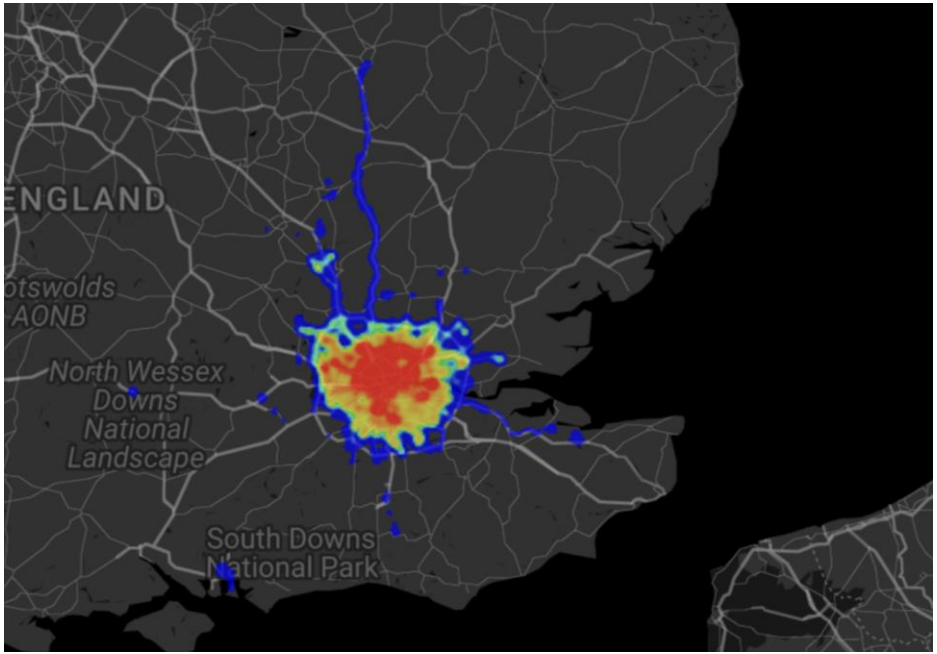
- Green vehicles (suitable for immediate electrification)
- Amber vehicles (Can be electrified with minor adjustments)
- Red Vehicles (Greater challenges for electrification)

# 20%

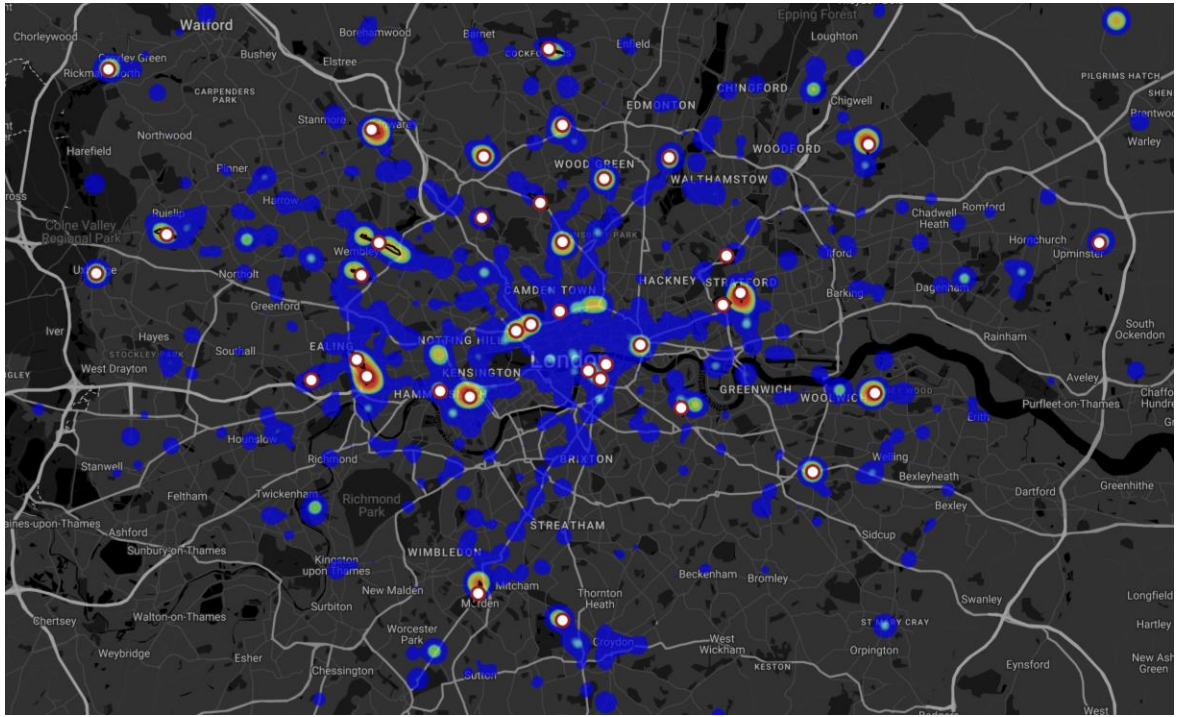
Cost savings from optimized EV battery size. Saving £1m.

# Transport For London – Engineering Services Fleet



# Transport For London – Engineering Services Fleet




ZERO | Transport for London

- Dwell locations identified
- 36 Charging locations chosen
- Charging infrastructure designed
- Grid requirements determined

# Transport For London – Engineering Services Fleet – Optimising Charging

# Zenith: Group: Specialist Facilities Management Company


### Heavy Panel Vans (HPV) – 45 Vehicles

- **Suitable EVs models**
  75 kWh or
  110 kWh models
- **Infrastructure**
  3.6kW Chargers: 4
  7kW Chargers: 15
- **TCO Impact from EV replacement**
  83.3% have lower TCO as ICE
  16.7% same as EVs

### Medium Panel Vans (MPV) – 44 Vehicles

- **Suitable EVs models**
  7 35kWh, 20 50kWh
  and 15 75kWh models
- **Infrastructure**
  3.6kW Chargers: 42
- **TCO Impact from EV replacement**
  9.5% have lower TCO as EV
  59.5% same as EVs

### Saloon – 28 Vehicles

- **Suitable EVs models**
  7 57.5kWh, 9 40kWh
  and 12 77kWh models
- **Infrastructure**
  3.6kW Chargers: 28
- **TCO Impact from EV replacement**
  3.6% have lower TCO as EV
  60.7% same as EVs

### SUVs – 10 Vehicles

- **Suitable EVs models**
  3 30kWh and 6
  50.8kWh models
- **Infrastructure**
  3.6kW Chargers: 9
- **TCO Impact from EV replacement**
  75% have lower TCO as ICE
  25% same as EVs

### Estate – 10 Vehicles

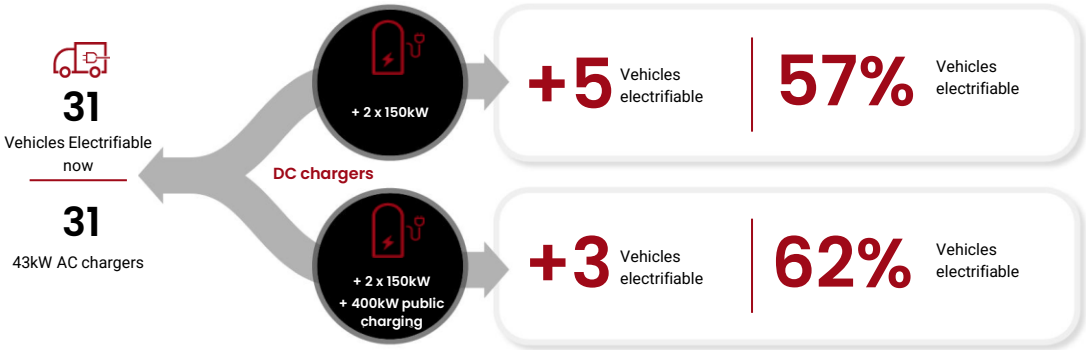
- **Suitable EVs models**
  3 30kWh and 1
  50.8kWh
- **Infrastructure**
  3.6kW Chargers: 4
- **TCO Impact from EV replacement**
  100% have lower TCO as ICE

# Volvo - Colas Fleet Electrification with Dynamon's Planning Software ZERO

## The challenge

As a key Volvo customer, Colas sought to transition its 63-vehicle fleet to zero-emission vehicles (ZEVs) in line with carbon reduction goals. The project addressed challenges such as identifying EV-suitable vehicles and aligning charging infrastructure with operations

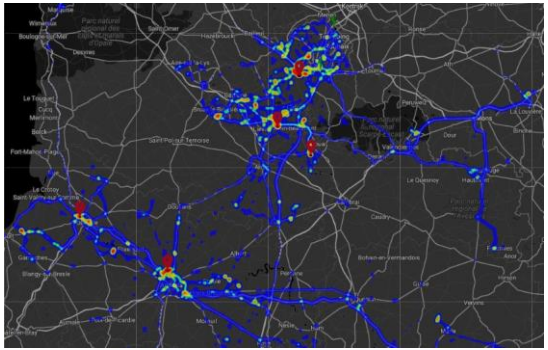
**Objective**: To provide Volvo with a data-driven approach to support customers decisions in transitioning to electric vehicles, showcasing the benefits of fleet electrification.




## The solution

Dynamon's ZERO software provided:

- In-depth fleet analysis using 88 days of telematics data across 63 vehicles and 10 depot locations.
- Depot-specific charging infrastructure design, including phased deployment of AC and DC chargers.



# Electrification Plan for Maritime Transport


ZERO

MARITIME

- UK’s largest container transporter
- 1800 Diesel Heavy Trucks
- Purchasing 50 BEVs in 2025
- Depot and shared network charging
- Identified optimum routes for EVs

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