Optimal Monitoring Ltd

Carbon Reduction Plan

Prepared in accordance with PPN 006 (formerly PPN 06/21) and the associated Technical Standard for Completion of Carbon Reduction Plans.

Supplier name:

Optimal Monitoring Ltd

Publication date:

16th July 2026

1. Commitment to achieving Net Zero

Optimal Monitoring Ltd (OML) is committed to achieving Net Zero emissions by 2050.

2. Baseline emissions footprint

Baseline emissions are a record of the greenhouse gases produced in the past, before the introduction of any reduction strategies. They are the reference point against which future reductions are measured.

Baseline year: 2024/25

This is Optimal Monitoring's first carbon footprint assessment. The baseline year reflects the 12 months prior to the electrification of Simon Bridgewater's engineer van.

Additional details relating to the baseline emissions calculations:

This is OML's first carbon footprint. Figures use the UK Government's 2026 GHG Conversion Factors for Company Reporting. The 10,000 miles/year of business mileage covers all of OML's business travel, not the van alone. Simon Bridgewater's van accounts for approximately 9,000 of those miles, with the remaining ~1,000 miles driven by other staff in their own vehicles (claimed as mileage). Scope 3 also includes homeworking emissions for OML's 16 employees, all of whom work from home.

Home working calculation: 16 employees x 37.5 hours/week x 46 working weeks/year (allowing for annual leave/bank holidays) = 1,725 FTE hours/employee/year, at the government's combined homeworking factor of 0.32393 kg CO2e per FTE hour. This gives approximately 0.56 tCO2e per employee, or 8.94 tCO2e for all 16.

Other staff business travel: ~1,000 miles/year in personal vehicles, estimated using the government's 'average car' factor blending petrol and diesel (0.269 kg CO2e/mile).

Waste generated in operations: not a material emissions source for OML, as the company has no premises and generates negligible physical waste.

Employee commuting: not applicable, as all 16 employees work from home and do not commute to a company premises.

Emissions	Total (tCO2e)
Scope 1 (company van - diesel, ~9,000 miles/yr)	3.72
Scope 2	0.00 (no company premises)
Scope 3 - Homeworking (16 employees)	8.94
Scope 3 - Other staff business travel (~1,000 miles/yr)	0.27
Scope 3 total	9.21
Total emissions	12.93

3. Current emissions reporting

Reporting year: 2025/26

This reflects the 12 months since Simon Bridgewater's van was switched to a fully electric vehicle.

Emissions	Total (tCO2e)
Scope 1	0.00 (no fuel-burning vehicles remaining)
Scope 2 (company van — electric, ~9,000 miles/yr)	0.62

Scope 3 — T&D losses on van electricity	0.06
Scope 3 — EMMA AI cloud infrastructure (2025)	1.25
Scope 3 — Homeworking (16 employees)	8.94
Scope 3 — Other staff business travel (~1,000 miles/yr)	0.27
Scope 3 total	10.52
Total emissions	11.14

4. Emissions reduction targets

Based on figures gathered so far, total emissions have fallen from approximately 12.93 tCO_2e in the 2024/25 baseline year to approximately 11.14 tCO_2e in 2025/26 — a reduction of around 14%, driven principally by the electrification of the company van.

In order to continue our progress to achieving Net Zero, Optimal Monitoring Ltd has adopted the following carbon reduction targets:

We project that our carbon emissions will decrease over the next five years to 10.44 tCO_2e by 2031.

5. Carbon reduction projects

Completed carbon reduction initiatives

The following environmental management measures and projects have been completed since the 2024/25 baseline, and will remain in effect when performing any contract:

- Electrification of company vehicle fleet: Optimal Monitoring's engineer, Simon Bridgewater, transitioned his company van from diesel to a fully electric vehicle. Based on an estimated annual mileage of 9,000 miles for this vehicle, this is estimated to have cut emissions from this vehicle from approximately 3.72 tCO_2e/year to approximately 0.68 tCO_2e/year — a reduction of around 82%.
- Fully home-based operating model: OML deliberately operates without company premises, eliminating office energy use and staff commuting entirely.
- Digital-first quoting and admin: quotes for AMR hardware, EMMA AI licences, and maintenance services are generated and issued as digital Excel/PDF documents rather than printed paperwork, cutting paper, printing, and postage.
- Cloud-based CRM: client and prospect records are held digitally (Zoho CRM) rather than in physical filing systems.
- Video conferencing over travel: client meetings, internal catch-ups, and supplier calls are conducted remotely by default, reducing business travel beyond what is already reflected in the mileage figures above.
- Digital contracts and e-signatures: contracts are sent for e-signature rather than posted as physical copies.
- Cloud-based document storage: records are stored digitally rather than in physical archives requiring storage space.

Future carbon reduction initiatives

In the future, Optimal Monitoring Ltd intends to explore further measures, including:

- Homeworking energy efficiency: providing staff with guidance on efficient heating, lighting, and equipment use for home working, given this is currently OML's largest source of emissions.

- Green electricity tariff: moving to a renewable electricity tariff for charging the company van (and any future electric vehicles).
- Continued fleet electrification: committing to electric as the default choice for any future company vehicles as they come up for renewal.
- Cloud infrastructure: EMMA AI is hosted on Amazon Web Services (AWS); OML does not operate its own data centre infrastructure. In line with AWS's current published commitments: net-zero carbon by 2040 under The Climate Pledge, and matching 100% of the electricity used across its operations with renewable energy since 2023. OML aligns its cloud-hosting-related emissions target with AWS's own timeline, rather than setting an independent target for this element of its footprint.
- Sustainable business travel: encouraging rail or public transport over car mileage for staff travel where practical.
- OML will explore the feasibility of pursuing a recognised environmental management certification, such as ISO 14001, as the business grows. This is not yet a committed target or timeline, but a direction OML intends to investigate.
- Annual staff environmental awareness session, covering homeworking energy efficiency and OML's progress against this plan.

6. Declaration and sign off

This Carbon Reduction Plan has been completed in accordance with PPN 006 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol Corporate Standard, and uses the appropriate UK Government emission conversion factors for greenhouse gas company reporting (2026 factor set).

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements (where applicable), and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the supplier:

Signature: ……………………………………………………………………
Name: Duncan Everett
Position: CEO
Date: 16th July 2026