Carbon Reduction Plan

Supplier name: Xpertnest Ltd

Company registration number: 10185772 (England and Wales)

Reporting period: 1 August 2025 – 31 July 2026

Publication date: 1 August 2026

Version 2.0 – supersedes the Carbon Reduction Plan published 16 May 2022

About Xpertnest Ltd

Xpertnest Ltd (company number 10185772) is a UK technology consulting and software development company, founded in 2016 by Arun Kar and Chintan Panara. We deliver custom software development, artificial intelligence and machine learning, IoT, cloud, data analytics, smart city and agritech solutions for public and private sector clients, supported by project management, user experience design, quality assurance testing and ongoing maintenance and support.

As a software services business, we have no manufacturing, no fleet and no physical product distribution. Our emissions come mainly from office electricity, business travel, employee commuting and homeworking, and office waste.

1. Commitment to achieving Net Zero

Xpertnest Ltd is committed to achieving Net Zero emissions by 2030, and in any event no later than 2050, across its Scope 1, Scope 2 and reported Scope 3 emissions.

This commitment applies to all of Xpertnest Ltd's operations, including the delivery of public sector contracts. Xpertnest Ltd has no parent company; this Carbon Reduction Plan is the plan of the bidding entity itself.

2. Organisational boundary

Emissions are reported for Xpertnest Ltd on an operational control basis. The boundary covers:

- the company's registered office at 4th Floor Radius House, 51 Clarendon Road, Watford, WD17 1HP; and
- employees of Xpertnest Ltd working from the office and from home.

Software development support is also provided by Xpertnest Solutions Private Limited in Ahmedabad, India, which is a separate legal entity. It is not controlled by Xpertnest Ltd for reporting purposes, so its emissions fall outside this boundary.

3. Baseline emissions footprint

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

Baseline year: 2021 (1 January – 31 December 2021)	
Additional details relating to the baseline emissions calculations 2021 was the first year Xpertnest Ltd measured its emissions. The Scope 2 figure relates to office electricity only. Employee commuting (including homeworking) and upstream transportation were not quantified in 2021; from the current reporting period, homeworking is reported in Scope 3 in line with the reporting standard.	
Emissions	Total (tCO2e)
Scope 1	0.00
Scope 2	20.87
Scope 3 (included sources)	Upstream transportation and distribution: not quantified in 2021 Waste generated in operations: 0.00 Business travel: 0.83 Employee commuting (including homeworking): not quantified in 2021 Downstream transportation and distribution: 0.00 – no physical products
Total emissions	21.70

4. Current emissions reporting

Reporting period: 1 August 2025 – 31 July 2026	
Emissions	Total (tCO2e)
Scope 1	0.00
Scope 2	1.35
Scope 3 (included sources)	Upstream transportation and distribution: 0.00 – no material goods purchased or delivered Waste generated in operations: 0.19 Business travel: 1.69 Employee commuting (including homeworking): 4.85 Downstream transportation and distribution: 0.00 – no physical products
Total emissions	8.08

Scope 1 – Xpertnest Ltd has no gas boilers, company-owned vehicles, on-site manufacturing or refrigerant (f-gas) equipment under its control, so Scope 1 emissions are zero.

Scope 2 – Purchased electricity for the Watford office, estimated from the office floor area occupied by our 8 employees and the CIBSE TM46 general office benchmark, using UK Government conversion factors (see Appendix A).

Scope 3 – Employee commuting and homeworking are estimated from our headcount and hybrid working pattern. Business travel is estimated as one return flight between the UK and our delivery partner in India, plus domestic rail travel. Waste is estimated from typical office waste per employee. Upstream and downstream transportation are not material, as Xpertnest Ltd provides software services and does not buy in or distribute physical goods. Full assumptions are set out in Appendix A. From the next reporting period we will replace these estimates with measured data from invoices, travel bookings and a staff travel survey.

5. Emissions reduction targets

In our 2022 plan we set a target to reduce emissions to 11.12 tCO2e by 2026, a 48.8% reduction against the 2021 baseline of 21.70 tCO2e. In the current reporting period, emissions are estimated at 8.08 tCO2e, a 62.8% reduction against the baseline, so this target has been met. Part of this change reflects lower UK grid carbon intensity and an improved, estimate-based measurement approach; the scope of reporting has also widened to include employee commuting and homeworking.

To continue our progress to Net Zero, we have adopted the following targets:

- reduce total emissions by a further 20% against the current reporting period (to 6.46 tCO2e or below) by 2028;
- reduce business travel emissions by 30% over the next three years; and
- achieve Net Zero by 2030, and in any event no later than 2050.

Progress against these targets will be reviewed and this plan updated and republished at least annually.

6. Carbon reduction projects

Completed carbon reduction initiatives

The following measures have been completed or implemented since the 2021 baseline:

- hybrid and remote working offered to all staff, reducing commuting;
- video conferencing used as the default for client and internal meetings;

- solar panels installed at the Ahmedabad development centre of our delivery partner, Xpertnest Solutions Private Limited;
- supplier reviews introduced to encourage environmentally responsible purchasing.

Reported emissions have fallen from 21.70 tCO2e (2021) to an estimated 8.08 tCO2e in the current reporting period, a reduction of 13.62 tCO2e (62.8%).

Future carbon reduction initiatives

- switch the Watford office to a 100% renewable electricity tariff, or work with the landlord to do so;
- reduce business travel by prioritising virtual meetings and using rail instead of domestic flights;
- prefer cloud hosting providers with published net zero or renewable energy commitments;
- extend the life of IT equipment and recycle all end-of-life devices through accredited WEEE recyclers;
- measure all required Scope 3 categories every year and improve data quality;
- use verified carbon removal or offsetting only for residual emissions that cannot be eliminated.

7. Environmental management measures applied when performing the contract

Xpertnest Ltd will apply the following environmental management measures when performing this contract:

- delivering services remotely by default, with on-site attendance only where the customer requires it;
- holding project meetings, workshops and reviews by video conference wherever possible;
- travelling by public transport or rail where travel is necessary, and recording all contract-related travel;
- hosting customer systems with cloud providers that have renewable energy or net zero commitments, where the customer's requirements allow;
- operating paperless processes for documentation, reporting and invoicing;
- recycling or reusing IT equipment used on the contract at end of life;
- reporting contract-related emissions to the customer on request.

8. Declaration and sign off

This Carbon Reduction Plan has been completed in accordance with PPN 006 (which replaced PPN 06/21) and the 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 use the appropriate UK Government conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions has 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.

Signed on behalf of the Supplier:

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Arun Kar
Director, Xpertnest Ltd
Date: 1 August 2026

Appendix A – Estimation methodology and assumptions

Measured data was not available for all sources in the reporting period, so emissions have been estimated as permitted by the reporting standard, using the assumptions below and UK Government GHG conversion factors (2025).

Source	Assumptions	Calculation	tCO2e
Scope 2: office electricity	8 employees; 10 m² per person (80 m²); CIBSE TM46 general office benchmark of 95 kWh/m² per year	7,600 kWh × 0.177 kgCO2e/kWh	1.35
Scope 3: employee commuting	8 employees attend the office 2 days a week for 45 weeks (720 office days); 30 km round trip; 50% by car, 50% by rail	10,800 km × 0.166 (car) + 10,800 km × 0.0355 (rail)	2.18
Scope 3: homeworking	8 employees work from home 3 days a week (1,080 days) at 7.5 hours a day = 8,100 FTE hours	8,100 hours × 0.33 kgCO2e per FTE hour	2.67
Scope 3: business travel	One UK–India return flight in economy (2 × 6,900 km); 2,000 km of UK rail travel	13,800 km × 0.117 (long-haul with RF) + 2,000 km × 0.0355	1.69
Scope 3: waste	0.8 tonnes of office waste a year (100 kg per employee); 50% recycled, 50% to landfill	0.4 t × 6.4 kg/t + 0.4 t × 467 kg/t	0.19
Total			8.08