

BUSINESS ETHICS

CARBON REDUCTION PLAN



Organisation name: **TNG Consulting Engineers Limited**

Publication date: 01/09/2025

COMMITMENT TO ACHIEVING NET ZERO

TNG Consulting Engineers Limited is committed to achieving Net Zero emissions by **April 2050**.

BASELINE EMISSIONS FOOTPRINT

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

BASELINE YEAR: 2024/2025

Details relating to the Baseline Emissions calculations:-

Scope – Our baseline emissions cover Scope 1 and Scope 2, and selected Scope 3 categories identified as significant contributors to our carbon footprint. Items representing less than 1% of total emissions have been excluded for clarity.

Data Sources – Emissions data is based on actual consumption and operational records for the 2024/2025 financial year, including:

- Energy consumption (electricity and gas) from utility bills
- Company travel (mileage logs, public transport use)
- Other material and service use identified as significant contributors including water and office consumables.

Emission Factors – We have applied UK Government GHG Conversion Factors (DEFRA/BEIS) to calculate emissions, ensuring consistency and comparability.

Measurement and Verification – Data has been collected and reviewed by designated personnel within TNG, ensuring accuracy. Where estimates were necessary (e.g., minor travel or energy usage), conservative assumptions have been applied.

Reporting Period – The full 2024/2025 financial year has been used to provide a consistent and complete baseline. This allows us to monitor trends and measure reductions reliably over time.

EMISSIONS		TOTAL (tCO ₂ e)
Scope 1		7.16
Scope 2		6.33
Scope 3 (Included Sources)		18.35
TOTAL EMISSIONS		31.84

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EMISSIONS REDUCTION TARGETS

TNG recognises that its biggest contributor to Co2 emissions is its commuting and business travel. Since COVID, we have already significantly reduced our work-related travel due to hybrid working and the virtual meeting environment.

We know we can still make improvements; however, we need to make commercially practical decisions about any future transport targets. We shall continue the discussions around this while we focus on a phased plan with achievable short- and medium-term goals and targets relating to Scope 1, 2 and 3.

PHASE 1 – By December 2026

1) **Install new Lighting Systems** - By December 2026

- Replace the fluorescent lights in our Mechanical and Electrical design offices with new LED absence detecting lighting which is greatly more efficient than the now obsolete Fluorescent tube fittings
- Retrofit the new gear tray into the luminaire to make use of the existing fitting.
- TNG can reuse the structure to the existing light to reduce our plastic waste.

2) **Appraise the current Gas Fired Boiler** - By June 2026

- Carry out an appraisal of the current gas fired boiler which is old and inefficient.
- Estimate its remaining lifespan and proactively plan its replacement.
- Review replacement options based on cost and efficiency.

3) **Breakdown the internal systems that use Electricity** – by December 2025

- Review the activities that use the most electricity.
- Review the energy consumption of the IT server.
- Review the capacity of the existing server and draft a proposal to reduce server-based storage, increasing cloud-based storage.

4) **Review TNG's Waste** – By December 2026

- Analyse current collections and % fill for each type of collection.
- Analyse paper waste and target for a 20% reduction by December 2027.
- Analyse confidential waste and target for 50% reduction by December 2027.
- Improve the reuse of redundant IT equipment by December 2026 to avoid disposal. Reduce waste IT equipment by 50%.

We shall measure and review our Carbon Emissions on a quarterly basis and report on our findings.

PHASE 2 – By December 2029

1) **Review TNGs commuting and Business travel** – by December 2026

- Assess whether the Company can reduce mileage per £1M turnover.
- Assess whether the Company can reduce average emissions per mile.

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In the baseline year 2024/2025 our Co2 Emissions = 31.84 tCO₂e

We project that Carbon Emissions will decrease over the next five years to **25.0** tCO₂e by **2029**.

This is a reduction of **21.4%**

DECLARATION AND SIGN OFF

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 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 ¹ and uses the appropriate [Government emission conversion factors for greenhouse gas company reporting](#) ².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, 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 ³.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors.

SIGNED ON BEHALF OF THE TNG CONSULTING ENGINEERS LIMITED:-

Signatory Name: Russell Pitman
Signatory Role: Managing Director
Signed Date: 01/09/2025

A handwritten signature in black ink, appearing to read 'R Pitman', written over a horizontal line.

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>