Carbon Reduction Plan

Supplier name: **Smart Energie Limited**

Publication date: **12/08/2025**

Commitment to achieving Net Zero

Smart Energie Limited is committed to achieving Net Zero emissions by 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	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO2e)
Scope 1	28.59
Scope 2	0.699
Scope 3	143.4
Total Emissions	**172.729**

Current Emissions Reporting

Reporting Year: 2025	
EMISSIONS	**TOTAL** (tCO_2e)
Scope 1	27.00

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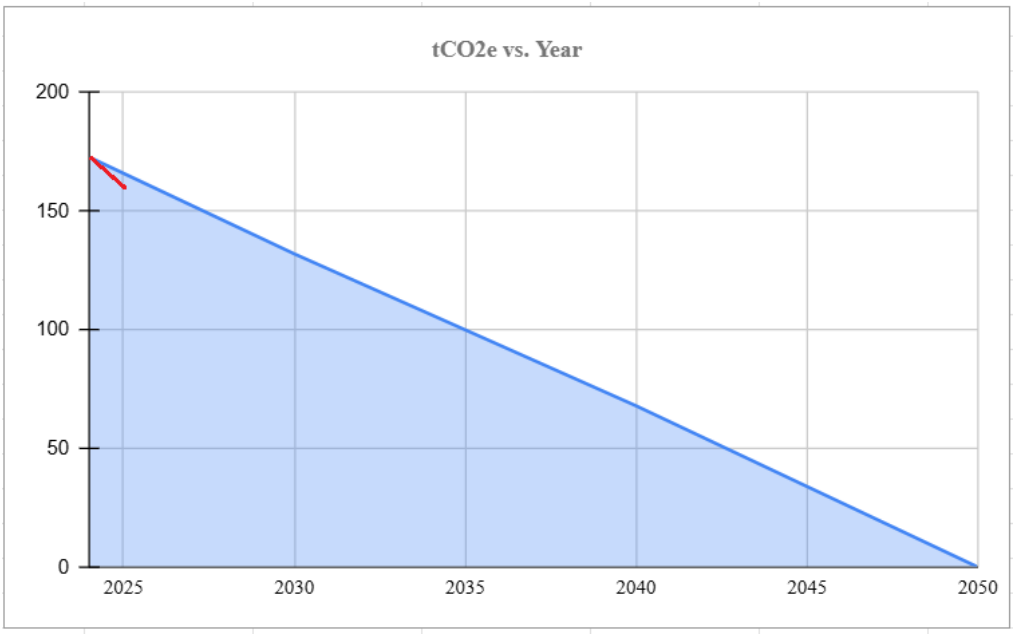
Scope 2	0.65
Scope 3	138.00
Total Emissions	**165.65**

Emissions Reduction Targets for 2029
Building on our progress, we aim to reduce total emissions to **138.183** tCO_2e by 2029, representing a cumulative reduction of approximately 20% from the 2024 baseline.



Progress and Initiatives
Ongoing and Planned Projects:
Since establishing our baseline in 2024, we have implemented and plan to expand a range of retrofit solutions aimed at reducing carbon emissions:

- **Installation of Energy-Efficient Boilers:** Upgrading existing heating systems with modern, high-efficiency boilers to reduce fuel consumption and emissions.
- **Deployment of Air Source Heat Pumps:** Replacing traditional heating systems with renewable, low-carbon air source heat pumps in residential and commercial properties.
- **Installation of Solar PV Systems:** Installing solar photovoltaic panels to generate clean, renewable electricity, reducing reliance on grid power and associated emissions.
- **Loft and Cavity Wall Insulation:** Enhancing building insulation to improve energy efficiency, reduce heating demand, and lower overall emissions.
- **Customer Engagement:** Educating clients about energy-saving practices and the benefits of retrofit solutions to encourage wider adoption.

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Projected Impact:
Based on current initiatives, we forecast a total reduction of approximately **7.079 tCO_2e** in 2025, moving us closer to our five-year target.

Future Plans:
Looking ahead, we aim to further expand our retrofit offerings and adopt best practices to maximize emissions reductions:

- **Scaling Renewable Heating Solutions:** Increase the installation of air source heat pumps and explore additional renewable technologies such as ground source heat pumps and biomass systems.
- **Enhancing Solar PV Capacity:** Expand solar PV installations for both new and existing clients to boost renewable energy generation.
- **Deep Retrofit Programs:** Implement comprehensive retrofit projects that combine multiple measures—such as insulation, renewable heating, and solar PV—for maximum impact.
- **Innovative Technologies:** Explore emerging low-carbon technologies and integrate smart energy management systems to optimize energy use.
- **Employee Training:** Provide ongoing training to staff on the latest retrofit techniques, building regulations, and sustainability practices to ensure high-quality implementation.

By continuously improving our retrofit services and encouraging clients to adopt low-carbon solutions, we aim to significantly reduce our collective carbon footprint and contribute to national emission reduction targets.

Declaration and Sign Off
This Carbon Reduction Plan has been prepared in accordance with PPN 06/21 and applicable reporting standards, including the GHG Protocol. Emissions data are recorded following the Government's emission conversion factors. Scope 1 and Scope 2 emissions are reported in accordance with SECR requirements, with Scope 3 emissions reported per the Corporate Value Chain (Scope 3) Standard.
This plan has been reviewed and approved by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:
Name: Inderpreet Singh
Job Title: Director
Date: 12/08/2025