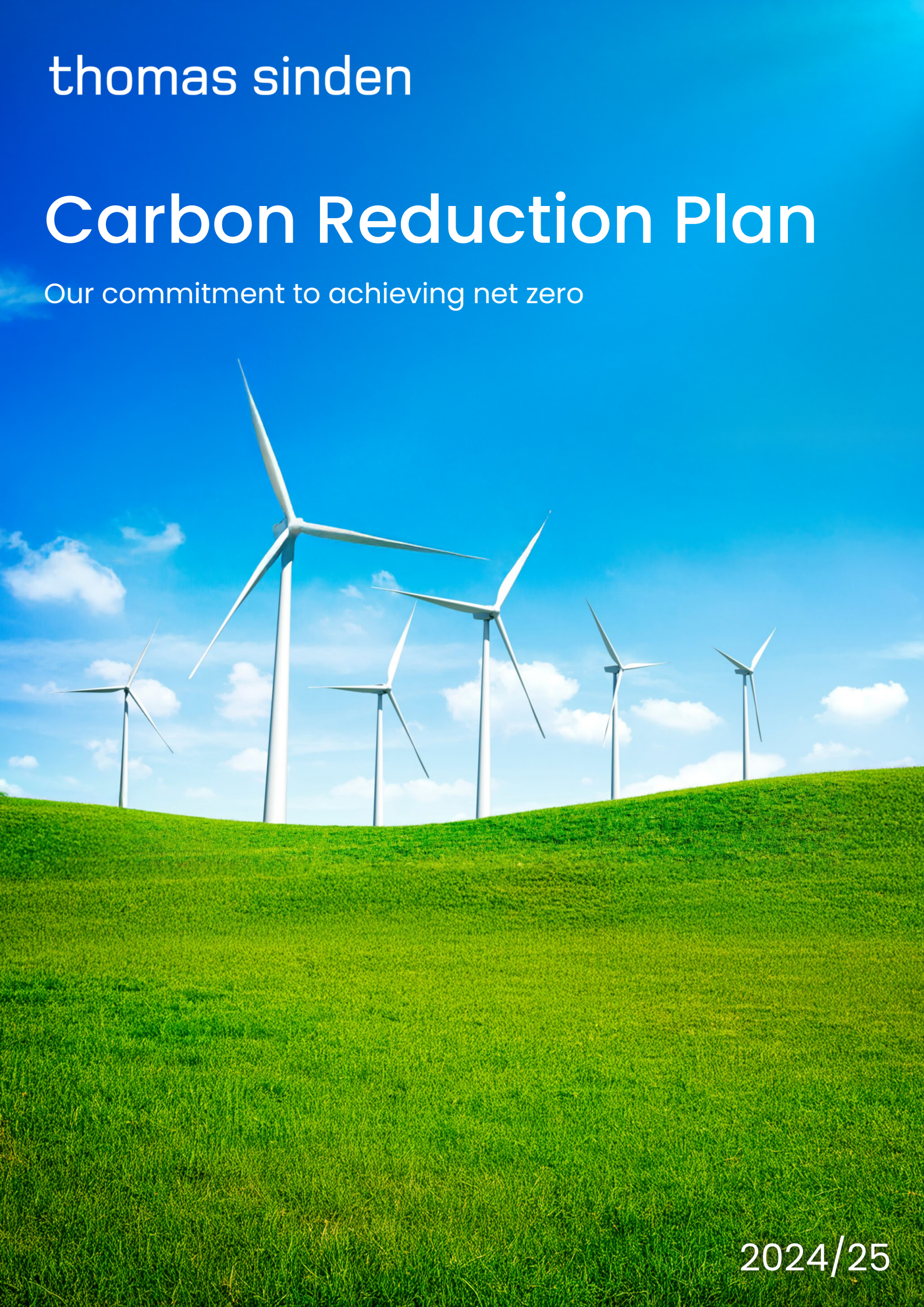
thomas sinden

Carbon Reduction Plan

Our commitment to achieving net zero



2024/25

PPN 06/21 Carbon Reduction Plan
2024/25

thomas sinden

Supplier name: Thomas Sinden Ltd.
Publication date: September 5th 2025

This Carbon Reduction Plan captures the operations of Thomas Sinden Ltd.

Commitment to Net Zero

Thomas Sinden has committed to achieving:

- Net Zero carbon across our Scope 1 and 2 operations by 2035
- Net Zero carbon emissions across all activities including Scope 3 by 2040

As a construction business operating in the UK, we acknowledge that our own activities contribute to global climate change. We are committed to reducing our environmental impacts in line with the commitments made by the UK government which align with the global commitments of the IPCC. Additionally, we remain committed to maintaining our ISO14001 Environmental Management System certification as mandatory under PPN 06/21.

Following the establishment of an accurate baseline in 2022/23, the business set near-term science-based targets for reductions of Scope 1, 2, and 3 emissions.

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.

Thomas Sinden's baseline emissions were re-calculated in 2022/23 based on considerable progress made in implementing accurate measurement systems for all Scope 1 and 2 sources, and a much greater range of Scope 3 sources than was previously achievable. This substantial expansion in the scope of our reporting necessitated a recalculation from the existing 2021/2022 baseline, aligning with the business's stated intention to re-baseline in our 2021/22 reporting statement.

The methodology for all emissions calculations is available upon request and follows the principles set out by the Greenhouse Gas Protocol and associated construction-focused ENCORD protocol. UK emissions factors published by the government have been used throughout unless otherwise specified directly by a supplier or service provider.

Baseline Year: 2022/23

The scope of our carbon emissions reporting is shown below:

Scope 1

- Fuel purchased and combusted in plant and equipment on project sites
- Fuel purchased and combusted in plant and equipment on company premises
- Fugitive emissions from air-conditioning systems and any other equipment
- Fuel purchased and combusted in all company owned or operated vehicles

Scope 2

- Purchased electricity used on project sites
- Purchased electricity used on company premises
- Purchased electricity used in company owned or operated electric vehicles

Scope 3

- Well to Tank upstream emissions of all project and premises combusted fuels
- Third party (client) purchased electricity used on project sites
- Upstream transport and distribution of project and premises purchased electricity
- Fuel combusted in employee-owned vehicles for commuting
- Fuel combusted in employee-owned vehicles for business travel
- Fuel /electricity used in public transport for employee commuting or business travel
- Fuel combusted in subcontractor-owned plant and equipment on project sites
- Emissions from waste transport and disposal from projects and premises
- Transport of all purchased materials to project sites and premises

Not in scope items:

- ✕ Extraction and manufacture of purchased capital goods and materials - *Thomas Sinden intends to set a target for measurement and reduction of upfront 'Embodied carbon' (A1-A3) for future emissions reporting*
- ✕ All downstream product emissions - *Not applicable to operational scope.*

Baseline Year: 2022/23

Emission Source	Total (Tonnes CO2e)
Scope 1 (total)	**102.73**
▪ Fuel - project	19.8
▪ Fuel - premises	0
▪ Fuel - company owned vehicles	82.93
▪ Processes / Fugitive	0
Scope 2 (total)	**37.65**
▪ Electricity - project*	37.65
▪ Electricity - premises	0
▪ Electricity - company owned EVs	0
Scope 3 (total)	**1877.95**
▪ Fuel (upstream) - project	25.25
▪ Fuel (upstream) - premises	0
▪ Electricity - project 3rd party purchased	8.06
▪ Electricity (upstream) - project	3.41
▪ Electricity (upstream) - premises	0
▪ Employee commuting (directly employed)	272.97
▪ Employee commuting (subcontractors)	1194
▪ Employee business travel	49.05
▪ Public transport (commuting & business travel)	3.4
▪ Subcontractor project fuel	8.36
▪ Waste disposal	15.46
▪ Waste transport	32.48
▪ Materials / purchased goods transport	265.51
Total Reported Emissions	**2018.33**

**Scope 2 emissions of project electricity supply are from a combination of known location-based emission factors and UK general market-based emission factors*

Reporting Year: 2024/25

Emission Source	Total (Tonnes CO2e)
Scope 1 (total)	**117.28**
▪ Fuel - project	40.82
▪ Fuel - premises	0
▪ Fuel - company owned vehicles	76.46
▪ Processes / Fugitive	0
Scope 2 (total)	**27.66**
▪ Electricity - project*	27.66
▪ Electricity - premises	0
▪ Electricity - company owned EVs	0
Scope 3 (total)	**1291.88**
▪ Fuel (upstream) - project	21.23
▪ Fuel (upstream) - premises	0
▪ Electricity - project 3rd party purchased	34.02
▪ Electricity (upstream) - project	6.49
▪ Electricity (upstream) - premises	0
▪ Employee commuting (directly employed)	70.79
▪ Employee commuting (subcontractors)	173.05
▪ Employee business travel	6.38
▪ Public transport (commuting & business travel)	184.943
▪ Subcontractor project fuel	75.75
▪ Waste disposal	96.99
▪ Waste transport	53.95
▪ Materials / purchased goods transport	673.8
Total Reported Emissions	**1542.96**

Emission Reduction Targets

Based on our Net Zero target years of 2035 for our Scope 1 and 2 emissions, and 2040 for our Scope 3 emissions, the following reductions are projected:

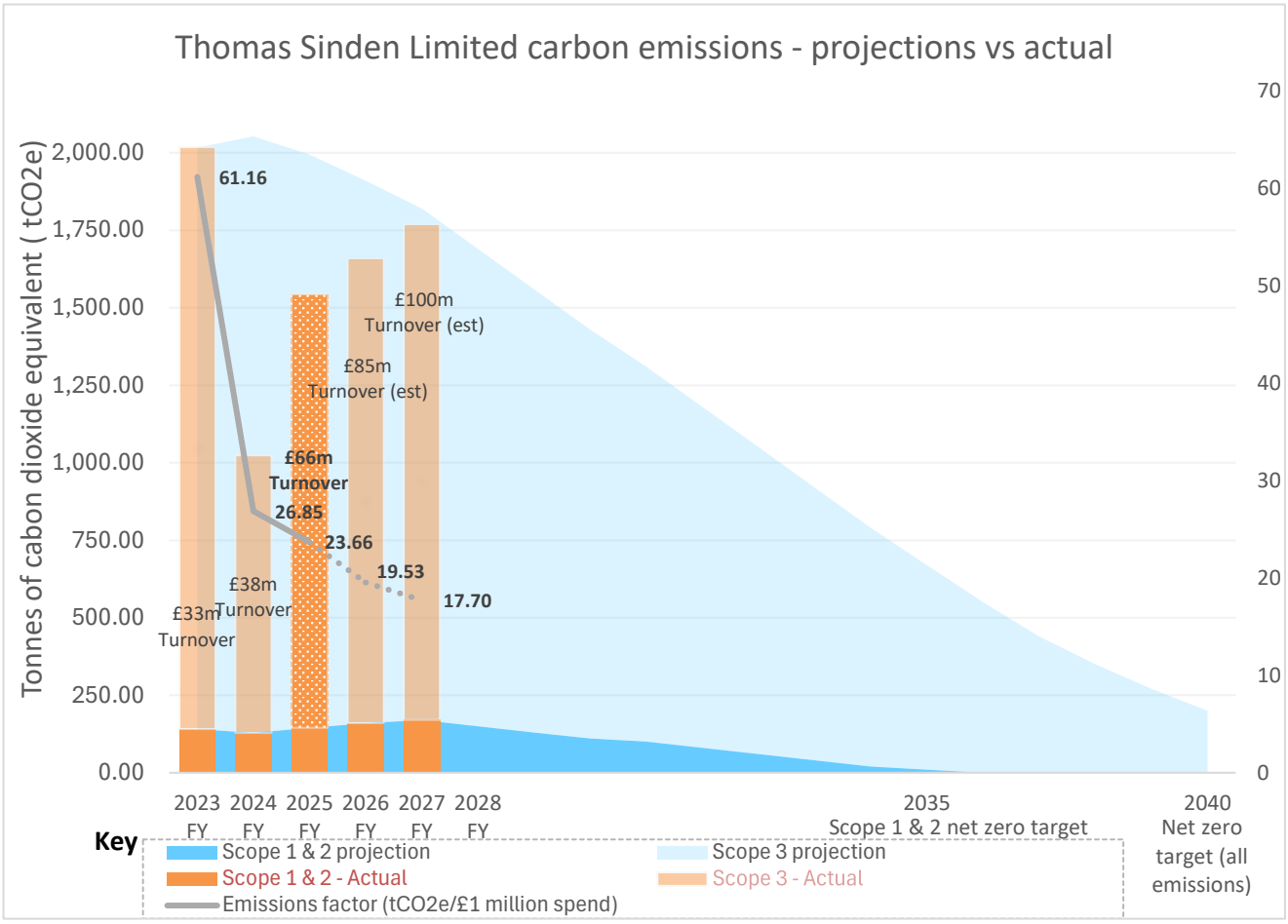


Figure 1: Carbon reduction projections vs actuals. Reporting year 2024/25

Five-year targets (2027):

- Reduce total scope 1 and 2 emissions intensity per £1 million spend by 30% from the 2022 baseline
- Reduce total scope 3 emissions intensity per £1 million pound spend by 22% from the 2022 baseline
- Baseline the embodied carbon total of purchased and installed construction materials by 2027 reporting year

Emission Reduction Projects

Completed Initiatives:

- Trial the use of HVO in all site preparation and investigation works
- Replace vehicles in staff vehicle fleet which now constitutes over 90% PHEVs
- Invest in high-efficiency welfare units on multiple sites to reduce energy use
- Provide early grid connections to sites to minimise generator use, and more commonly replace generators with battery powered plant and tools, or utilise a low emission alternative, compliant to the NRMM Stage V requirements
- Operate an 'Agile Working' policy to reduce travel-related emissions
- Introduce EV charging points to our office premises
- Maintain our ISO 14001 accredited Environmental Management System and complete a life-cycle assessment of all environmentally impactful operations to identify a strategy for prioritisation, training, and reduction.
- Implement a policy which favours HVO use in place of diesel where commercially viable (Scope 1).
- Implement workforce mapping to prioritise the assignment of locally based employees to site-based roles—such as site management and labouring.

Future Initiatives:

- Implement a HVO-only policy to exclude diesel from our subcontractor' operations (scope 3), in support of our own policy.
- Replace our small existing van fleet with EV and PHEV alternatives.
- Mandate the procurement of 100% UK-generated renewable energy contracts on all projects (within our control).
- Prioritise lower embodied carbon construction methods, and materials when making procurement and design decisions, using EPD data where available.
- Train all staff in carbon literacy and improve site-level environmental awareness.
- Implement a company-wide green transport policy which incentivises public transport use and carpooling.
- Prioritise hiring local based applicants for site-based positions, such as site management and labouring, and formalise this strategy in our company recruitment policy to reduce employee commuting emissions (Scope 3).

Improving our Data:

Following a successful improvement to the measurement of a majority of our Scope 1 and 2 emissions through the BRE SmartWaste tool, we have implemented this on all major projects. To further improve this data collection, wider training is planned to help capture possible 'missed emissions' during site survey works and smaller specialist contracts. The implementation of Assa Abloy's Biosite as a site access control system has also yielded additional benefits for measuring our scope 3 emissions by providing precise data on employee and subcontractor commuting emissions and material transport. Expanding the use of Biosite across all major sites will continue to enhance the accuracy of these emissions measurements.

We have continued to make significant improvements in our data collection, and the incidence of data gaps has been reduced. When gaps do occur, they are often addressed through assumptions that extrapolate from available information to projects where emissions data is missing. To further strengthen our approach, we must not only ensure the consistent rollout of existing systems across all projects and provide comprehensive training but also actively explore and adopt new technologies that can deliver even greater accuracy and efficiency in our company's emissions data collection.

Emissions Outlook:

As our business continues to expand, we anticipate an increase in our absolute carbon emissions. This expected rise is driven primarily by the growth in project volume and operational activities, which naturally leads to higher material and energy demands. Thomas Sinden's annual turnover is expected to increase from £65.2 million in 2024/25 to £75 million in 2025/26 and £100 million in 2026/27. Additionally, we intend to incorporate the embodied carbon of materials into our future carbon accounting practices. This includes the greenhouse gas emissions associated with the production and installation (transportation and disposal are already within our scope) of materials used in our projects. By broadening our scope to include these emissions, we are presenting a more comprehensive view of our environmental impact, which will contribute to an increase in our reported emissions and potential need to re-baseline our emissions.

Despite a slight increase in absolute emissions during the 2024/25 financial year, Thomas Sinden remains firmly committed to its long-term carbon reduction objectives. We are encouraged by an emissions intensity reduction of 12.18%, with emissions per £1 million spend decreasing from 26.43 tonnes in 2023/24 to 23.67 tonnes in 2024/25 - a clear indicator that our environmental strategies are driving tangible progress.

This improvement demonstrates that, even as our operations grow, we are becoming more carbon-efficient. We continue to implement targeted initiatives, policies, and training to support our journey to net-zero. Our approach ensures that sustainability performance remains central to our ethos as our business continues to expand.

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 and uses the appropriate Government emission 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 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.

Signed on behalf of the Supplier:

……

Steve McMahon
Operations Director | September 2025