Korbuild Ltd – Carbon Reduction Plan

Purpose & Commitment

- Aim: Deliver sustainable construction projects in South Wales while achieving Net Zero carbon by 2050.
- Baseline emissions recorded in 2022; annual monitoring and reporting are now in place.
- Directors committed to resourcing and delivering carbon reduction initiatives across operations and supply chain.

Emissions Reporting Baseline

Year – 2022

- Scope 1: 27.65 tCO_2e
- Scope 2: 1.48 tCO_2e
- Scope 3: 17.31 tCO_2e
- Total: 46.43 tCO_2e

Reporting Year – 2024

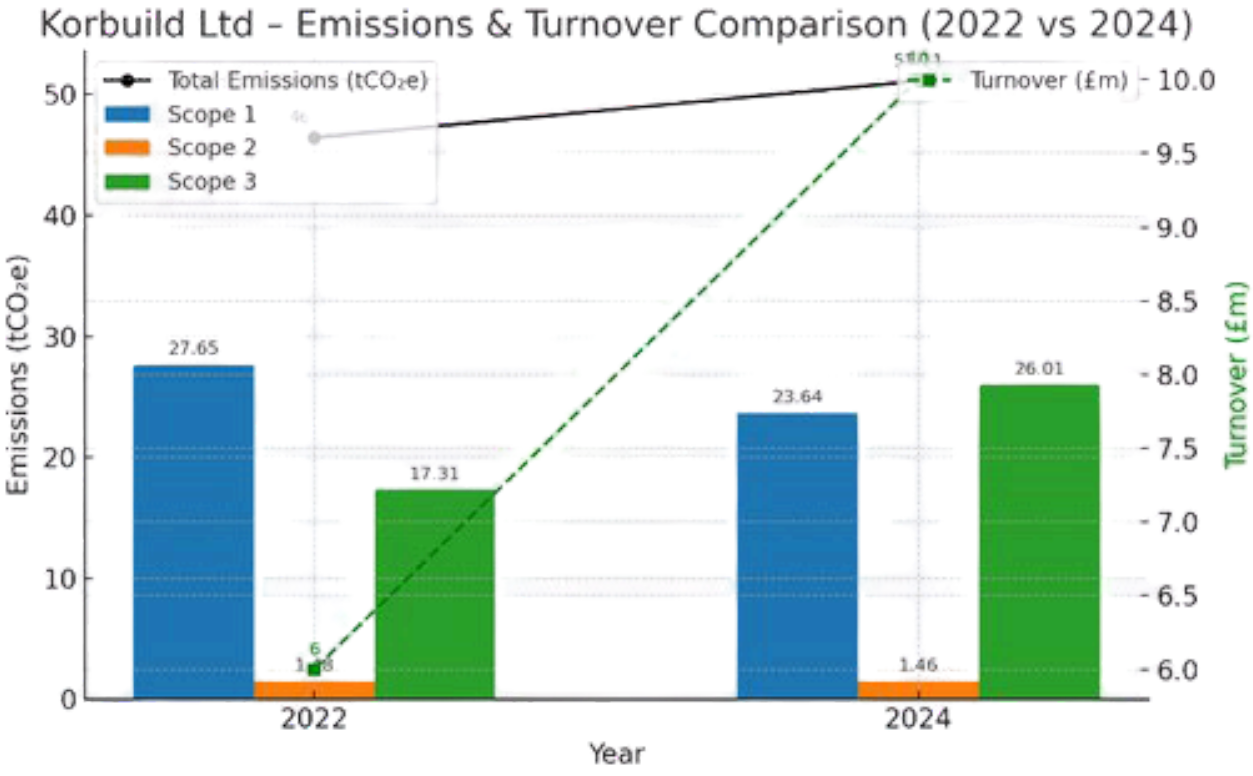
- Scope 1: 23.64 tCO_2e (↓ 14.5%)
- Scope 2: 1.46 tCO_2e (↓ 1.35%)
- Scope 3: 26.01 tCO_2e (↑ 50.3%)
- Total: 51.11 tCO_2e (↑ 10.1% overall)

Reason for Increase in Total Emissions (2022–2024)

From 2022 to 2024, Korbuild's turnover grew from £6m to £10m — an increase of 66.7%. This business growth resulted in:

- Increased number and scale of projects.
- Higher workforce numbers, leading to greater commuting emissions.
- More site activity and production output, increasing Scope 3 emissions from materials, waste, and supply chain activity.

Despite this substantial increase in business activity, our largest carbon source — Scope 1 (direct emissions from fuel use and company operations)
— has reduced by 14.5% through greater management, improved operational practices, and more effective monitoring and reporting.
While total emissions rose, carbon intensity per £1m turnover reduced, demonstrating efficiency improvements despite expansion.



Key Strategies & Actions Data & Reporting

- Daily carbon data recording by Project Managers; monthly review by “Waste Champion.”
- Annual emissions data submitted and reported via the Supply chain school reporting tool.
- Annual reporting aligned with GHG Protocol.

Operational Changes

- Fleet: Target 50% electric management vehicles by 2030; Green Car Scheme for staff.
- Plant & Equipment: Phased introduction of electric/hybrid machinery; energy storage systems (Volt pack) for welfare with zero emissions.
- Site Energy Efficiency: Battery storage units, flywheel tech, solar-powered welfare cabins, energy management systems, LED/PIR lighting.
- Water Savings: Rainwater harvesting; awareness campaigns to reduce usage.
- Digital Transformation: Paperless systems via OpenSpace & Field view.

Supply Chain & Scope 3

- Engage subcontractors/suppliers to share environmental measures. Capture data on transport, materials' embodied carbon, waste,
- commuting, hotel stays, and other value chain emissions.
- Supply chain training via Sustainability School.

Waste & Materials

- Waste champions on projects to avoid/reduce waste.
- Annual review of top 5 Scope 3 sources to implement reduction plans.
- Single-use plastic avoidance strategy

Emissions Reduction Targets

- Improve data collection tools & systems.
- Reduce energy demand via efficiency measures. Increase renewable energy use.
- Electrify fleet as current vehicles depreciate.
- Roll out eco-friendly site cabins across all sites.

Engagement & Awareness

- All staff inducted into Environmental Management System.
- Monthly seminars to share initiatives.
- Ongoing training on environmental best practice.
- Collaboration with clients for low-carbon solutions.

Review & Governance

- Engage subcontractors/suppliers to share environmental measures. Capture data on transport, materials' embodied carbon, waste,
- commuting, hotel stays, and other value chain emissions.
- Supply chain training via Sustainability School.

Review & Governance

- Plan reviewed monthly as part of Environmental Management Plan.
- Signed off by Managing Director (Dec 2025).
- Fully compliant with PPN 06/21 and relevant reporting standards.

Reviewed by: Sarah Bunt
Position: Finance Director
Date: 31.01.25
Next Review Date: 31.01.2026

Signature: