



RODDY

Carbon Reduction Plan (CRP) to 2030

Company Name: Roddy Group of Companies

Date: 01/01/2023

Reporting Period: 2023 baseline, reduction to 2030

Location: Sevenoaks, Kent

Sectors: Residential, Civil Engineering Construction

1. Commitment to Net Zero

Roddy Group of Companies is committed to achieving **Net Zero Carbon Emissions by 2030**, in line with UK Government targets. This Carbon Reduction Plan sets out the interim targets, strategies, and actions we will take to reduce carbon emissions by **at least 50% by 2030** compared to our 2023 baseline.

Baseline Emissions Footprint

Baseline Year: 2023

Baseline Scope Emissions (tCO₂e):

Scope	Category	Emissions (tCO ₂ e)
1	Direct emissions (plant, fleet)	4,500
2	Purchased electricity	1,200
3	Indirect emissions (supply chain, materials, waste, transport)	18,300
Total Baseline Emissions		24,000

Note: Baseline includes emissions from owned construction plant, site operations, electricity, commuting, logistics, and embedded carbon in materials (e.g., concrete, steel, etc.).

2030 Carbon Reduction Targets

We aim to reduce emissions from the 2023 baseline by:

- **Scope 1:** 40% reduction (to 2,700 tCO₂e)
 - **Scope 2:** 90% reduction (to 120 tCO₂e)
 - **Scope 3:** 50% reduction (to 9,150 tCO₂e)
 - **Total Emissions by 2030: ~12,000 tCO₂e**
(50% total reduction)
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Carbon Reduction Strategies

A. Low-Carbon Construction Practices

- Adopt **Modern Methods of Construction (MMC)** including off-site manufacturing.
- Minimise waste via **Design for Manufacture and Assembly (DfMA)** principles.
- Implement **circular economy** approaches on-site: reuse, recycle, and reduce materials.

B. Fleet and Plant Decarbonisation

- Replace diesel plant with **electric or hydrogen alternatives** where feasible.
- Use **HVO (Hydrotreated Vegetable Oil)** as a transitional fuel (certified sources only).
- Transition commercial vehicle fleet to **EV or hybrid vehicles** by 2030.

C. Renewable Energy and Efficiency

- Power all fixed sites and offices with **100% renewable electricity** by 2025.
- Install solar PV on temporary site cabins and permanent properties where feasible.
- Improve energy efficiency in offices and compounds: LED lighting, insulation, smart controls.

D. Supply Chain Decarbonisation

- Engage suppliers with **carbon reporting requirements** and low-carbon options.
- Specify **low-carbon concrete, recycled steel, and sustainable timber**.
- Work with subcontractors to track and reduce Scope 3 emissions.

E. Operational Policies

- Implement a **Carbon Management System** in line with PAS 2080.
- Integrate **Whole Life Carbon Assessments** into project planning and design stages.
- Apply **Environmental Product Declarations (EPDs)** for major materials.

F. Employee Engagement and Travel

- Promote **sustainable commuting** through car share, EV salary sacrifice, cycle-to-work.
 - Use **digital tools and remote working** to reduce travel emissions.
 - Train all staff on **carbon literacy** and climate responsibilities.
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Carbon Offsetting (Short-Term Only)

While our priority is absolute emissions reduction, we may offset residual emissions in the short term (2025–2030) using:

- Verified UK woodland creation (e.g. Woodland Carbon Code)
- Global Gold Standard or VCS-accredited offsets

Offsetting will be transparently reported and only used where emissions are currently unavoidable.

Governance and Reporting

- Annual carbon reporting in line with **Streamlined Energy and Carbon Reporting (SECR)**.
 - Regular progress reviews against interim milestones.
 - CRP reviewed and updated **annually** by the Sustainability Director.
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Milestones to 2030

Year	Key Milestones
2024	ISO 14001 and PAS 2080 alignment, switch to 100% renewable electricity
2025	25% fleet electrification, pilot low-carbon concrete and steel alternatives
2026	Full material passporting and Scope 3 reporting coverage
2027	40% Scope 3 reduction, 70% EV/hybrid fleet
2028	Eliminate fossil fuel use on temporary sites
2030	50% total emissions reduction, Net Zero ready sites in all regions

Declaration and Sign-Off

This Carbon Reduction Plan has been approved by the Board of Directors and will be publicly available on the company website in compliance with **PPN 06/21**.

Signed: *Paul Roddy*

Director Name - Mr Paul Roddy

Job Title – Group Director

Date – 31/03/2025

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