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3D 360 Limited – Carbon Reduction Plan

"Breaking the Mould'

Engineering a Greener, Cleaner Industry 4.0.

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Issue and Revision History

Date	Revision	Reason for Issue	Comments
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Responsible person for this document: Paul Bullock, Director

Version Control

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1. Introduction

Commitment to achieving Net Zero

3D 360 Limited (3D 360) is committed to reaching Net Zero emissions by 2038 in line with the Greater Manchester Combined Authority Five-Year Environmental Plan and Greater Manchester's Carbon Neutral ambition by 2038 and improving on the baseline guidance laid out in PPN 06/21.

2. Purpose and Scope

This Carbon Reduction Plan (CRP) is not intended to replace existing reporting or calculation of our organisational carbon footprint. It is a summary document that details high level information that demonstrates 3D 360 Limited's compliance with PPN 06/21.

This document determines the emissions created by 3D 360 Limited and sets a net zero target in compliance with PPN 06/21.

This document captures the carbon emissions for our base year by measuring the applicable direct and indirect emissions for all our UK operations.

Carbon emissions have been measured in three scopes.

- Scope 1: Direct Emissions from owned or controlled sources
- Scope 2: Indirect Emissions from the generation of purchased energy
- Scope 3: Indirect Emissions (not included in scope 2) that occur in the value chain.

3. Baseline Emissions Footprint (2022/2023)

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: 2022

Additional details relating to the Baseline Emissions calculations:

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- As part of 3D 360 Limited's environmental footprint strategy, 3D 360 Limited measures, minimizes and reports on the 3D 360 Limited's environmental footprint, including undertaking rigorous annual measurement.

- 3D 360 Limited's targets. 3D 360 Limited's greenhouse gas (GHG) emissions are calculated in line with the GHG Protocol.

- 3D 360 Limited's methodology follows best practices, such as using internationally accepted conversion factors.

Scope 1 encompasses direct emissions, including those associated with the direct consumption of natural gas, heating oil, and diesel fuel as well as the emissions associated with owned and leased vehicles and fugitive emissions.

Scope 2 encompasses indirect emissions, including those associated with the purchase and consumption of local electricity and distinct heating energy.

Scope 3 figures to be reported in this CRP will include only the following sources of emissions as per the Technical Standard guidance: upstream transportation & distribution; waste generated in operations; business travel; employee commuting; and, downstream transportation and distribution.

Baseline Year emissions	
EMISSIONS (2022/2023)	**TOTAL (tCO2e)**
Scope 1 Direct GHG emissions	16.758
Scope 2 Energy indirect emissions	4.332
Scope 3 Other indirect emission (Included Sources)	TBC
Total Emissions	21.090

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4. Previous Year Emissions Reporting (2023/2024)

Current Year emissions	
EMISSIONS (2023)	**TOTAL (tCO2e)**
Scope 1 Direct GHG emissions	14.084
Scope 2 Energy indirect emissions	2.447
Scope 3 Other indirect emission (Included Sources)	TBC
Total Emissions	16.531

5. Current Emissions Reporting (2024/2025)

Current Year emissions	
EMISSIONS (2024)	**TOTAL (tCO2e)**
Scope 1 Direct GHG emissions	14.947
Scope 2 Energy indirect emissions	2.561
Scope 3 Other indirect emission (Included Sources)	5.841
Total Emissions	23.35

5.1 Notes:

It should be noted that 3D 360 has undertaken substantial growth during the last reporting period with indicators outlining growth for the coming year too.
It is noted that we will need to develop tools/systems to appropriately capture and account for this in our Carbon Reductions targets to be able to obtain and report meaningful data.

6. Scope 3 carbon (value chain)

3D 360 have not historically collected data around scope 3 activities such as measurement of the volume of waste produced by our activities, water consumption, fuel used by our subcontractors on site and public transport use by our employees.

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In developing our pathway to net zero, we have reviewed our scope 3 carbon emissions categories and have aligned to the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard.

We made the decision not to estimate our scope 3 performance for the baseline year 2022 due to insufficient viable data available to provide an accurate report, and so that 3D 360 Limited can focus on implementing the reporting processes required to ensure robust scope 3 data capture to enable setting of an accurate baseline.

We have reported the baseline for scope 3 in our 2024 Carbon Reduction Plan update and will baseline this and report progress against this baseline in subsequent years.

In reporting year 2024/2025, we will develop additional tools to enable scope 3 data collection, including for waste generated in operations (3D printing waste), Business travel and employee commuting (including public transport).

7. Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following firm-wide carbon reduction targets that apply to all of 3D 360 Limited's operations, including the following:

3D 360 Limited is committed to reducing absolute Scope 1 and 2 GHG emissions 20 % by 2027 from a 2022/2023 base year.

7.1. Offsetting

At 3D 360 Limited, we have committed to achieving net zero across all three greenhouse gas emissions scopes, including all of the energy that we use and carbon we emit, by no later than 2038 and aim to do this without needing to offset.

Offsetting will not be prioritised over making real reductions in carbon emissions.

All GHG emissions figures displayed in the charts are gross emissions, i.e., the figures do not reflect the use of any offsets.

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8. Carbon Reduction Projects and Measures

a.) Completed Carbon Reduction Initiatives

- Installed 100% LED lighting in all our buildings in order to minimise our energy consumption.
- Introduced multiple recycling points reducing our carbon footprint.
- Supported alternative and hybrid/flexible working models
- Ensured lights are turned off in areas when not in use and all lights are turned off at night and over the weekends.
- Ensured that heating thermostat and TRVs are on the right levels, so there is no need to open windows.
- Made use of natural light when possible
- Booked regular boiler checks, to ensure systems are working as efficiently as possible.
- Switched off computers, laptops and printers at source, when not in use.
- Aimed where possible to use video conferencing or telephone instead of travel.
- Used energy from renewable sources where practicable.
- Local suppliers sought and engaged for services/goods where it has been practicable to do so

b.) Future Carbon Reduction Initiative

In 2025/2026, 3D 360 Limited plans to implement carbon reduction measures including:

- Encourage sustainable ways of employee commuting to the office and client.
- Rethink and develop our travel policy e.g. encouraging “car-to-rail” travel modal shift whenever possible.
- Aim where possible to use video conferencing or telephone instead of travel.
- Ongoing aim to source goods locally, where possible.

9. Related Documents

3D360-QMS-PROC-DOC-001 - Environmental and Sustainability Policy
3D360-QMS-PROC-DOC-021 - Carbon Neutral by 2038 Operational Plan

Other policies as appropriate

10. Declaration and Sign Off

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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. Scope 3 emission tools will continue to be developed and 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 directors.

Signed on behalf of the 3D 360 Limited:

Paul Bullock

Director, 3D 360 Limited

Date: 24/04/2025

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