



## **ROTADEX CARBON REDUCTION PLAN (CRP)**

The Rotadex Carbon Reduction Plan (CRP) detailed below sets out our organisational carbon footprint and confirms the Rotadex commitment to achieving Net Zero by 2050.

The Rotadex CRP is published in accordance with HMG Cabinet Office guidelines and is designed to meet the accepted reporting requirements.

The CRP is updated annually on 1<sup>st</sup> July and is published and clearly signposted on our company websites. The CRP is approved by the main board directors to demonstrate a clear commitment to emissions reduction at the highest level. Rotadex has adopted the key objectives of the CRP as a core part of the future company strategy.

The Rotadex CRP is set out below:

# Rotadex Carbon Reduction Plan

Supplier name: .....Rotadex Systems Ltd.

Publication date: ...1<sup>st</sup> July 2024

## Commitment to achieving Net Zero

Rotadex Systems Ltd 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.

<b>Baseline Year: 2021</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
Rotadex has created a CRP Reporting Committee to report annually on Emissions. The Quality Manager holds a central data file into which all the relevant Emission Releasing Activities are collated. This details the Source of Information and Totals in Unit Types. These are then converted into Emissions in kg CO <sub>2</sub> e using the current published government conversion data.	
<b>Baseline year emissions: 2021</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	132453kg /1000 = 132.45 tCO <sub>2</sub> e
Scope 2	204264kg /1000 = 204.26 tCO <sub>2</sub> e
Scope 3 (Included Sources)	11482.86kg /1000 = 11.48 tCO <sub>2</sub> e
<b>Total Emissions</b>	<b>348200kg /1000 = 348.20 tCO<sub>2</sub>e</b>

## Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	125829.24 kg/1000 = 125.83 tCO <sub>2</sub> e
Scope 2	133062.29 kg/1000 = 133.62 tCO <sub>2</sub> e
Scope 3 (Included Sources)	16455.63 kg/1000 = 16.45 tCO <sub>2</sub> e
Total Emissions	275437.16 kg/1000 = 275.35 tCO <sub>2</sub> e

### Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

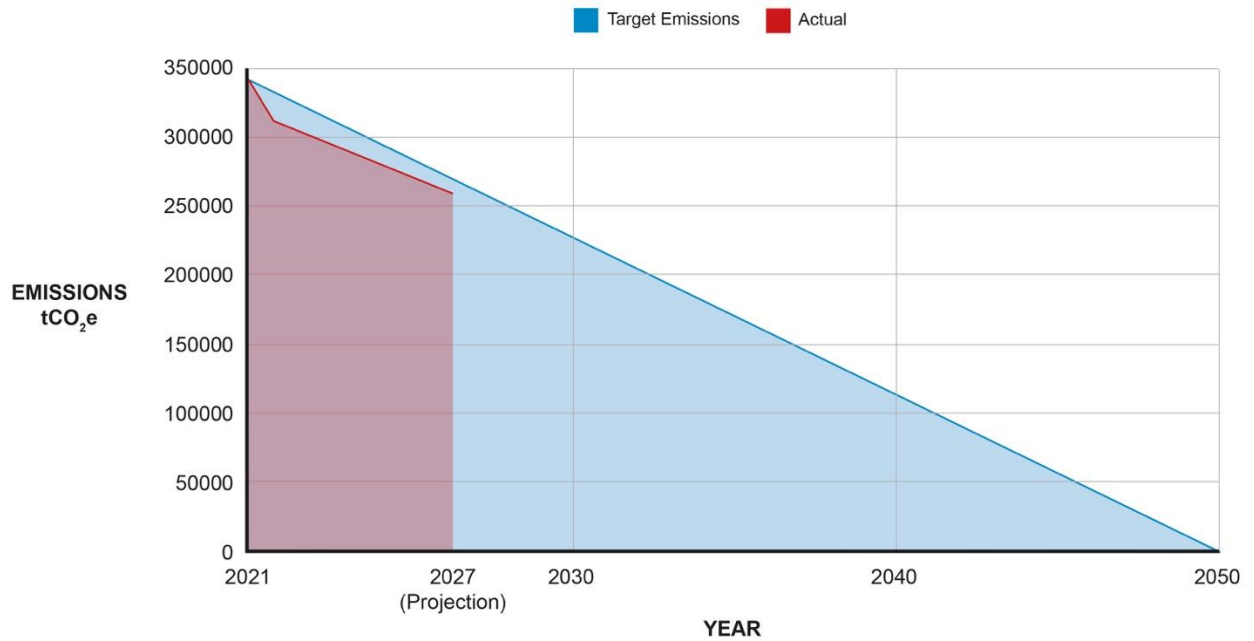
We project that carbon emissions will decrease over the next five years to **269.43 tCO<sub>2</sub>e** by 2027. This is a reduction of **22.63%** from the 2021 Baseline.

In 2022, we set interim emission targets as part of our strategy to achieve net zero by 2050. The interim targets are set at a 5% year-on-year improvement to the baseline by 2027. This was more than achieved in 2023. The targets are set in line with the reduction pathways for limiting global temperature rise to 1.5 degrees C.

The figures and information that will be used in the calculations are provided by the CRP Reporting Committee as described above. These will be provided accurately to the best of our knowledge and as far as practicable, we will assume that figures are representative of our activities. We continually seek to improve our data quality, and in the case that we identify any material changes, we may recalculate the data in the future.

Progress against these targets will be seen in the graph below:

## Carbon Reduction: Projected vs. Actual



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes equate to **30.67 tCO<sub>2</sub>e**, a **8.8%** reduction against the 2021 baseline and the measures will be in effect when performing the contract.

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the implementation of our QMS in 2009:

No:	Carbon Reduction Opportunity	Action	Completion
1	Environmental Management System	In 2012 successfully certificated our Environmental Management System to ISO14001	2012
2	Environmental car allowance scheme	We have introduced a car allowance scheme which incentivises the use of low emission vehicles	2021

3	Promote low emission vehicles	Option of PHEV for staff with a company car and installation of numerous charging points at our factory premises	2021
4	Reduction in business miles	Upgraded IT system and communication band width to promote virtual meetings where possible to cut down on fuel and energy consumption	2021
5	Reduce energy consumption	LED/PIR lighting controls with low energy lighting has been installed throughout our factory and offices, which has reduced overall power consumption	2021
6	Reduce energy consumption	Introduction of working patterns to reduce energy consumption at peak times	2021

### **Planned Carbon Reduction Initiatives**

In the future, we plan to implement further measures such as:

<b>No:</b>	<b>Carbon Reduction Opportunity</b>	<b>Action</b>	<b>Completion</b>
1	Embed online working practices	Encourage the use of online meetings to help reduce travel requirements	2023
2	Promote low emission vehicles	Review the current fleet and plan to upgrade vehicles to full electric and hybrid as well as more fuel-efficient and less co2 producing models	2024
3	Adoption of self generating sustainable energy	Currently reviewing viability and implementation of a significant investment to install solar panels on our 30,000 sq ft factory roof to create our own sustainable energy source	2025
4	Staff taking increased level of personal responsibility for reducing carbon output and waste	Internal campaign to influence personal behaviours focussed on reducing travel, waste, and energy usage	2023

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

### Signed on behalf of the Supplier:



William White - Managing Director    Matthew White – S&M Director

Date: ...1<sup>st</sup> July 2024

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<sup>1</sup> <https://ghgprotocol.org/corporate-standard>

<sup>2</sup> <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup> <https://ghgprotocol.org/standards/scope-3-standard>