

Carbon Reduction Plan

Chemence Ltd

Commitment to achieving Net Zero

Chemence Ltd is committed to achieving Net Zero emissions by 2045.

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.

Chemence has not previously calculated and published any carbon emission calculations and we therefore chose to look at the most recent year of 2022 for our baseline. These calculations have been developed in line with the Cabinet Office's 'Guidance on adopting and applying the PPN 06/21' and the 'Greenhouse Gas Protocol' initiative guidance. Some calculations were completed using the UK Greenhouse gas reporting: conversion factors 2022, Carbon Care.org, and some using the Carbon Footprint's Micro Business Footprint Calculator. The data included in these emissions is for activities taking place in the UK and includes any deliveries of goods to the UK, Europe and Rest of World.

Baseline Year: 2022
Additional Details relating to the Baseline Emissions calculations.
<ul style="list-style-type: none">• 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 1 emissions are mainly calculated based on volumes of consumed fuels in each region of operations.• Scope 2 encompasses indirect emissions, including those associated with the purchase and consumption of local electricity and distinct heating energy. Scope 2 emissions are mainly calculated based on volumes of purchased and consumed electricity and heating energy in each region of operations.• Scope 3 encompasses other indirect emissions, such as business travel, emissions from extraction of fuels and production of purchased goods and services (including cloud services and video conferencing), vehicles not owned or controlled, outsourced activities, employee commuting (including teleworking), and waste disposal. Scope 3 emissions are mainly calculated based on mileage (air travel and ground transportation), stay duration (hotels), energy consumption (upstream emissions from purchased fuels and electricity), spend (purchased goods and outsourced activities), technology usage (cloud services and video conferencing), estimates of employee travel and home energy consumption (employee commuting and teleworking), and industry benchmarks (waste disposal).

2022 Baseline Year Emissions	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	273
Scope 2	113
Scope 3 (Included Sources)	281
Total Emissions	667

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	298
Scope 2	168
Scope 3 (Included Sources)	317
Total Emissions	783

Emissions Reduction Targets

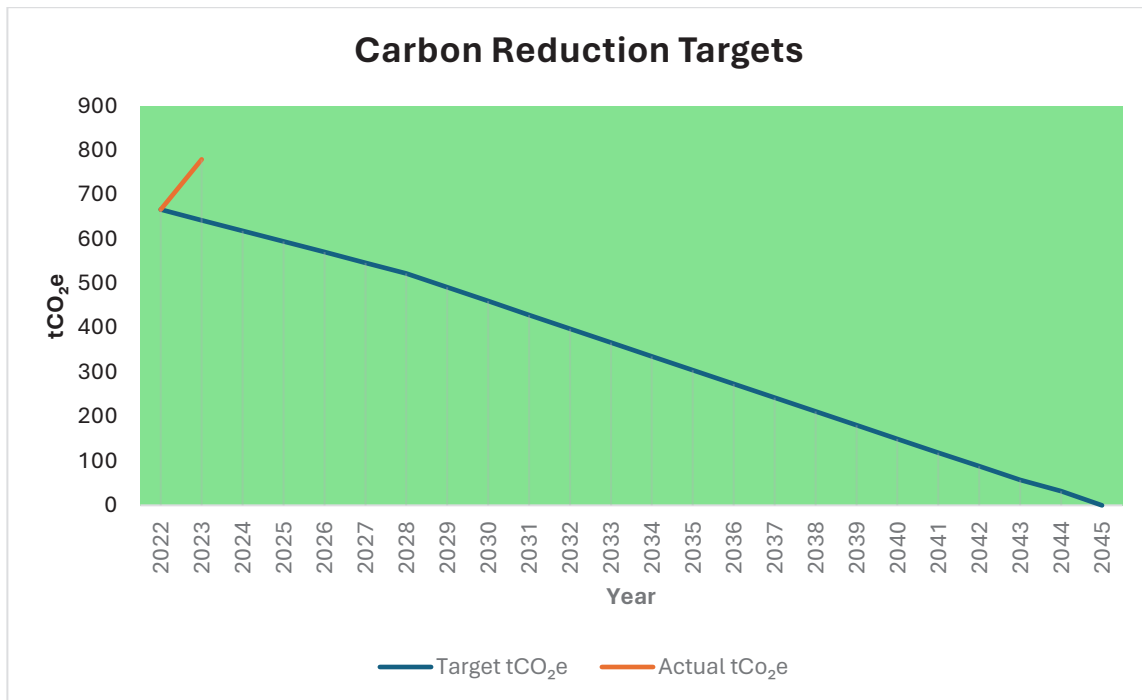
This initial carbon reduction plan summarises our baseline emission calculations for 2022.

Emissions increased in 2023 due to an increase in company turnover and activity.

However, we are confident that due to the implementation of planned carbon reduction initiatives, we will meet our interim target of decreasing our carbon emissions to 461 tCO₂e by 2030. This is a target reduction of 31% from the 2022 baseline carbon emissions.

We aim to reduce our carbon emissions year-on-year to ensure we meet net zero by 2045.

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Chemence had already begun Carbon Reduction Initiatives which contributed to the 2022 baseline result. For example, lighting needs have been assessed for all site buildings and energy-efficient LED lighting installed throughout.

Proposed Carbon Reduction Initiatives

- Development of an education and learning module regarding carbon emissions and the net zero commitments to ensure all employees are informed and actively working to achieve net zero.
- Encourage staff to use video conferencing facilities where possible to reduce business travel.
- When technological developments allow (e.g. conversion from natural gas to hydrogen), source gas from certified green energy sources. Natural gas use accounted for 38% of the total company CO₂ emissions in 2023.
- Study the cost/benefits of sourcing electricity with a greater renewables content.
- Develop an energy management system based on ISO 50001 to integrate energy management into our efforts to improve quality and environmental management.
- Staff living within three miles of the site to be considered for a cycle to work scheme.
- Review the use of site office space to reduce overall energy consumption through building heating & lighting.

- Work with suppliers to report their carbon footprint data to us to improve the accuracy of carbon measurement and engage with suppliers to support our net zero goal.
- Partner with supplier organisations and transport companies who are also committed to reducing their carbon emissions.
- Work with our product development team to focus on reducing the carbon footprint of the products we manufacture and sell. These initiatives will focus on the use of renewable/recyclable/reduced weight components.
- Ninety percent of our current waste stream is likely to end up in landfill. We are committed to offering a better solution for this waste.
- Explore carbon offset strategies with partner organisations such as Ecologi for CO₂ emissions that cannot be eliminated from our production processes or logistics chain.

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.



Charlotte Cooke
Director

7th March 2024

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