

United Kingdom Carbon Reduction Plan

Supplier: Alinea International Ltd. (UK)
Updated: January 2024



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1 Carbon Reduction Plan

Supplier Name: Alinea International Ltd. (UK)

Carbon Reduction Plan Updated: January 2024

Commitment to Achieving Net Zero: Alinea International Ltd. (UK) abbreviated as Alinea UK for the purposes of this report, is a subsidiary of Alinea International Ltd. (Canada), headquartered in Calgary, Alberta. Alinea International Ltd. (Canada) and Alinea UK are committed individually and collectively to achieving net zero by 2050. Individual carbon reduction plans are prepared annually for both entities. This carbon reduction plan covers Alinea UK operations only.

1.1 Baseline Emissions Footprint (United Kingdom) - 2019

Baseline emissions are a record of the GHG emissions generated in a preselected calendar year by the company prior to the introduction of any strategies for their reduction. Baseline emissions are the reference point against which future year emissions are compared. The year 2019 serves as the baseline year for Alinea UK.

Baseline Year: 2019
Additional Details Relating to the Baseline Emissions Calculations
<p>This Carbon Reduction Plan, for Alinea UK, covers emissions associated with operations in London, UK. The plan is in accordance with the GHG protocol's corporate Accounting and Reporting Standard using the operational control consolidation approach. Scope 3 emissions included the following categories: upstream transportation and distribution, downstream transportation and distribution, business travel, homeworking, employee commuting, water treatment and supply, waste generated in operations and transmission and distribution losses from Scope 2 energy.</p> <p>The baseline 2019 assessment was carried out in accordance with the UK Government Procurement Policy Note (PPN) 06/21. The baseline assessment found no GHG emissions associated with Alinea International's UK subsidiary operations. GHG emissions were zero because Alinea International Ltd. (Canada) did not have any physical offices in the UK. Alinea International Ltd. (Canada) only operated via subcontractors, which fall outside the scope of the PPN 06/21 Carbon Reduction Plan requirements.</p>

Additional Details Relating to the Baseline Emissions Calculations

2019 Baseline Year Emissions (UK)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	0.00
Scope 2	0.00
Scope 3 (Included Sources)	0.00
Total Emissions	0.00 tCO ₂ e

2020 Emissions Reporting (UK)
<p>The 2020 assessment, carried out in accordance with PPN 06/21 again found no GHG emissions associated with the Alinea UK operations, reflecting the fact that Alinea UK does not have a physical office. In 2020, Alinea UK operated solely via subconsultants. which fall outside the scope of the PPN 06/21 Carbon Reduction Plan requirements. The GHG emissions associated with Alinea UK operations for 2020 were determined to be 0.00 tCO₂e as shown below.</p> <p>2020 was a Covid year which also contributed to maintaining carbon emissions to the base year levels as travel was still restricted.</p>

2020 Emissions (UK)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	0.00
Scope 2	0.00
Scope 3 (Included Sources)	0.00
Total Emissions	0.00 tCO ₂ e

2021 Emissions Reporting (UK)
<p>Alinea UK's GHG emissions in 2021 were primarily Scope 3 emissions. 2021 is the first year in which measurable emissions are recorded. Scope 3 emissions related primarily to travel.</p>

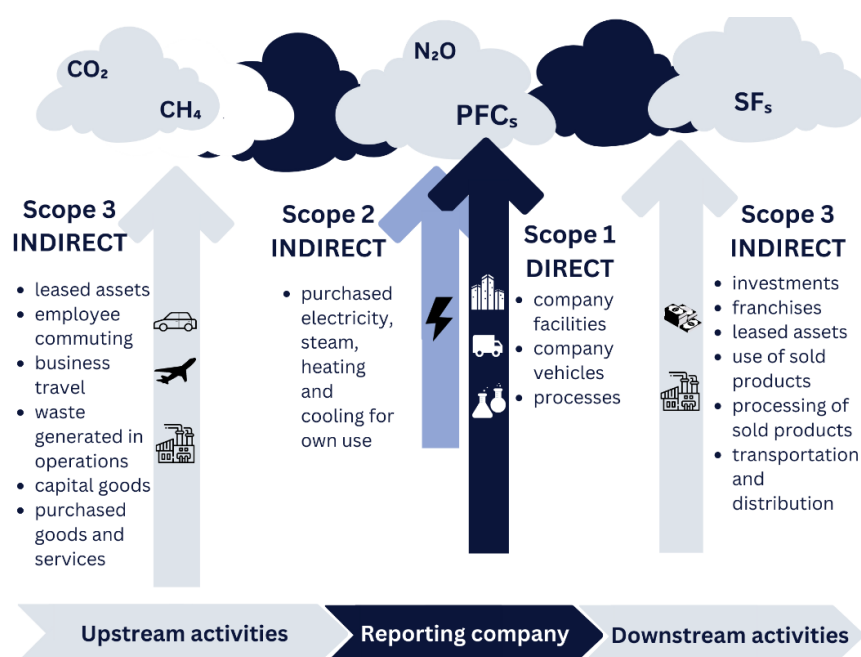
2021 Emissions (UK)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	0.00
Scope 2	0.00
Scope 3 (Included Sources)	2.06
Total Emissions	2.057 tCO ₂ e

1.2 2022 Emissions Reporting (UK)

2022 Emissions Reporting (UK)
Alinea UK's GHG emissions in 2022 fell to .238 tCO ₂ e from the 2021 2.057 tCO ₂ e reported total. This primarily reflects the small scale of operations and the sensitivities related to the limited amount of travel and contractor commutes.

2022 Emissions (Canada)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	0.00
Scope 2	0.00
Scope 3 (Included Sources)	0.238
Total Emissions	0.238 tCO ₂ e

1.3 Graphic Representation of Alinea International Ltd. Carbon Emissions



1.4 Emissions Reduction Targets

Alinea UK is committed to achieving Net Zero by 2050 for all GHG emissions. To ensure progress towards achieving Net Zero with anticipated growth in projects and operations, Alinea UK has adopted an interim target for 2035 in line with Science Based Targets Initiative's criteria for a 1.5-degree scenario under the Absolute Contraction Approach.

Relative to the 2019 baseline, emission data compiled has been relatively flat and close to zero. This is expected to change as Alinea UK's office grows in number of personnel and projects delivered. Alinea UK and the parent company Alinea International Ltd. (Canada) will continue to monitor all emissions to ensure they are managed to meet the net zero targets through the next couple years of growth and beyond.

The table below summarizes Alinea International UK's total emission target commitments. Targets are currently *To Be Determined* as there are not sufficient emissions to select a target. As the UK emissions grow from zero, targets can be properly set.

Year	Target Emissions (tCO2e)		
	Scope 1	Scope 2	Scope 3
2019 - Baseline	0.00	0.00	0.00
2022 – Current	0.00	0.00	0.238
2025	To Be Determined	To Be Determined	To Be Determined
2030	To Be Determined	To Be Determined	To Be Determined
2035	To Be Determined	To Be Determined	To Be Determined

Table 1: The science-based targets and path to Net Zero by 2050 are illustrated in the figures below. The dotted lines represent the required path from the 2019 baseline to achieving the projected targets: zero emissions by 2050.

Figure 1: Scope 1 Emissions (Actual)

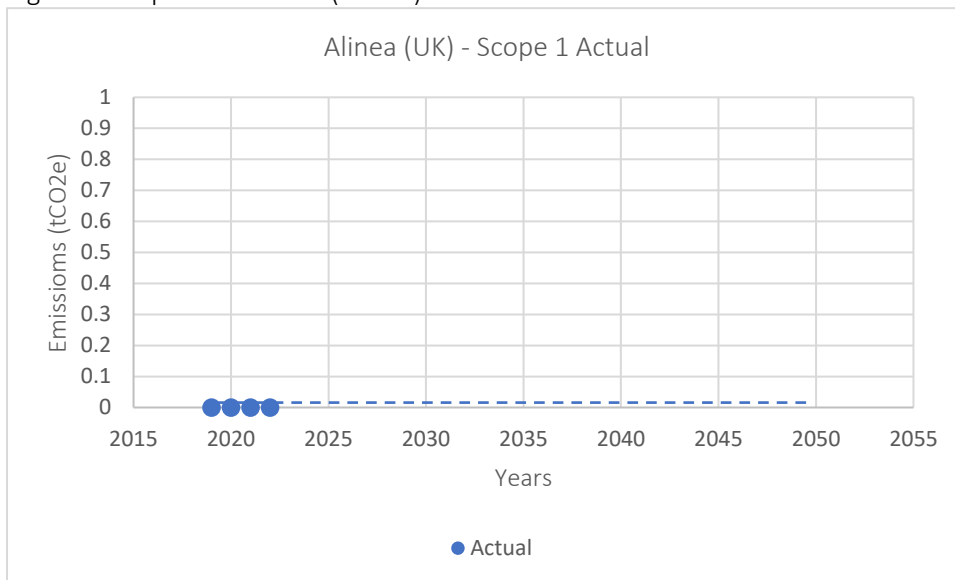


Figure 2: Scope 2 Emissions (Actual)

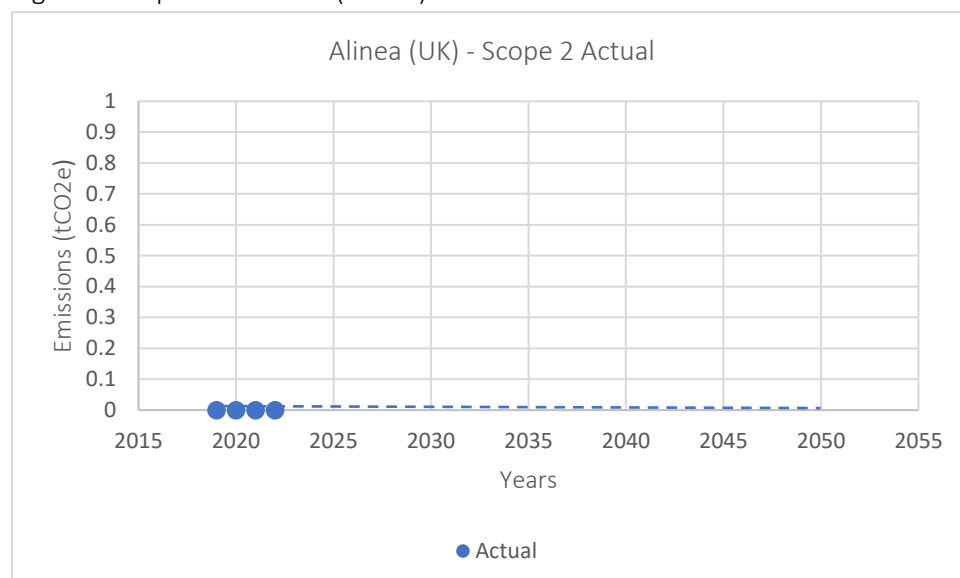
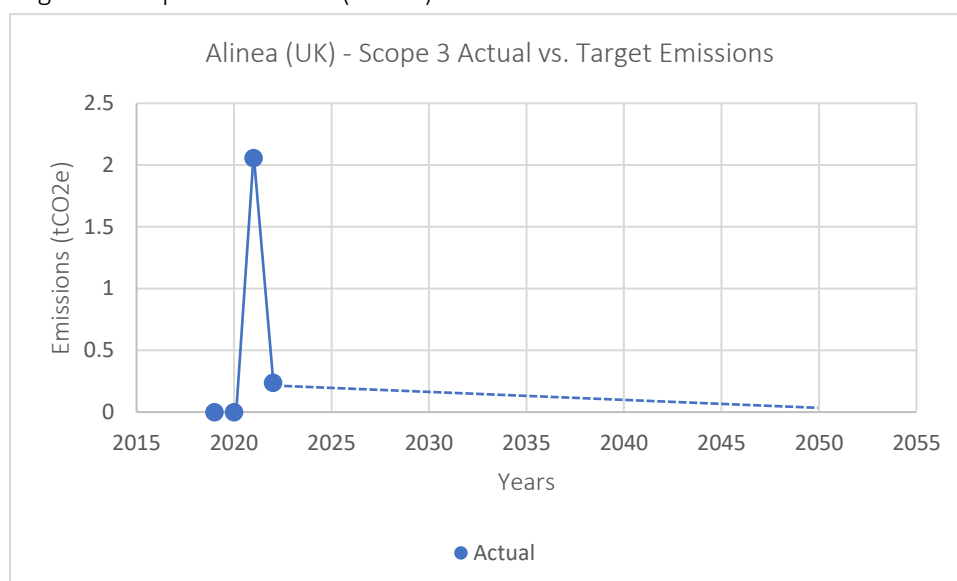


Figure 3: Scope 3 Emissions (Actual)



1.5 Carbon Reduction Program Initiatives

1.5.1 Overview

Prompted by the UK Government's procurement requirements instituted in 2021, work to determine carbon emissions for Alinea UK was undertaken. A baseline year was established (2019) and three operating years of data (2020 to 2022) have been collected. Initiatives for the management/reduction of carbon emissions have been identified and are described below. Given Alinea UK is an emerging office, many of the carbon reduction initiatives identified below are those that are currently being implemented by the parent company Alinea International Ltd. (Canada).

1.5.2 United Kingdom Office Operation Initiatives

2022 is Alinea UK's fourth year of reporting company emissions. Environmental sustainability is at the forefront of Alinea UK's work. Alinea International Ltd. (Canada) has an established Environmental Safeguarding Policy and Team, which places responsibility on both the UK organization and its employees to consider the ways in which energy consumption and GHG emissions can be minimized.

Over the next 12 months, Alinea UK will identify tangible ways to reduce emissions as the operation grows. The applicability of Alinea International Ltd. (Canada) initiatives to the UK market will be confirmed.

1.6 Alinea International Ltd. (Canada) Initiatives

1.6.1 Flight Initiatives

Taking advantage of the company-wide introduction to virtual meetings, Alinea is confident the company can significantly reduce its footprint by only allowing flights deemed essential. Purchasing offsets for essential project and corporate flights will be undertaken in 2023. All carbon emissions from Alinea International (Canada and the UK)'s corporate and project-related flights continue to be tracked utilizing airline-based certifiable and verifiable processes.

1.6.2 Energy Saving Initiatives

All projects are required to carry out an environmental risk assessment and implement measures to mitigate any adverse effects. Employees are expected to consider what steps they can take on a personal level to reduce energy consumption. Alinea UK has prepared specific guidelines to assist in this process.

The Corporate Environmental Safeguarding Team will continue to work towards implementing new ways to reduce energy consumption in our offices.

Energy saving initiatives to be pursued at the Alinea UK office, when functionally established (tentatively in 2023) will include:

- Thermostat management
- Reducing the temperature of hot water
- Use of natural light within offices where/when possible, during the workday
- Turning off lights in empty rooms
- Use of smart power bars
- Use of energy saving features on office equipment

In 2023 and beyond, Alinea UK will continue monitoring the effectiveness of the carbon emission reducing actions identified above to assess their effectiveness and contribution to achieving the Net Zero target by 2050. The UK Office will also explore other measures which might be adopted and how they may contribute to the Net Zero by 2050 target.



1.6.3 Waste Management Initiatives

Waste management recycling and composting initiatives will be explored when the office is functional.

1.6.4 Sustainable Travel Initiatives

New UK employees receive onboarding training on the established Company guidelines, and all employees will continue to receive annual refresher training ensuring that when essential travel is undertaken they are best informed as to how they can minimize their carbon footprint. This includes staying in eco-friendly accommodations, reusing towels, raising, or lowering thermostats, and sharing transport with colleagues and clients when possible.

The UK operations will reflect and be bound by the carbon reduction approaches taken by Alinea International Ltd. (Canada).

1.7 Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and the associated guidance and reporting standards 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 standard¹ and uses the appropriate government emission conversion factors for GHG company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions has been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

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:

Charles Duff

Charles Duff (Jan 26, 2024 15:54 MST)

Date: January 2024

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

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

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



About Alinea

Alinea is an international development consultancy providing technical and management expertise that helps people improve their lives. We work with governments, investors, companies and communities to create lasting change. Over 35 years, Alinea has successfully delivered more than 515 projects worldwide. **alineainternational.com**

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UK, Carbon Reduction Plan

Final Audit Report

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