

Carbon Reduction Plan

Supplier name: ...Kuehne + Nagel Ltd.....

Publication date: 19 December 2023

Commitment to achieving Net Zero

Kuehne+Nagel Ltd is publicly committed to achieving Net Zero globally by 2050 at the latest, as set out in our [Global Environmental Policy Statement](#), signed by the company's Chief Executive.

The company has been a participant of the UN Global Compact since 2020, supporting the 17 UN Sustainable Development Goals (SDGs) and has set a science-based target, verified in July 2021 by the [Science Based Targets initiative \(SBTi\)](#). This commits the company to reduce its absolute scope 1, 2 and 3 emissions by 33% by 2030 against a 2019 baseline. Kuehne+Nagel supports the UK's ambitions to reach Net Zero Carbon by 2050 and is actively engaged with UK Government and sector partners in achieving this goal.

As part of our commitment to lead our industry, we have partnered with a number of organisations through the UK Government funded [Zero Emission HGV and Infrastructure Demonstrator \(ZEHID\)](#). Delivered with Innovate UK, the ZEHID programme will see the company participate in a 5-year funded zero emission truck programme, operating electric HGVs and installing truck charging infrastructure at our key sites.

Our sustainability report, [available on our website](#), contains a summary of our performance against our sustainability targets and initiatives, which are aligned with 10 of the UN SDGs.

Our performance in sustainability is monitored by our Global Board of Directors and implemented and executed by our Executive Management Board. Alongside an ESG function at Global level, and experts embedded within each business unit, sustainability is represented on our UK Executive Board, supported by specialists within sustainability and social impact.

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.

Baseline Year: FY 2021 (January to December 2021)
Additional Details relating to the Baseline Emissions calculations.
The company has set a rolling baseline year and calculates greenhouse gas (GHG) emissions reductions against this baseline in accordance with the <i>Greenhouse Gas Protocol (GHG Protocol) for Corporate Accounting and Reporting</i> standard. Two UK emission sources have been excluded in FY 2022 reporting due to data quality or availability issues (Fugitive emissions and Employee commuting - see Annex 1 for further details). The

company is addressing these data issues in 2023. As a result, and in line with the company's Restatement Policy, restatements to these emissions will be made in future reporting if any material differences are identified. The company is committed to implementing a country-level external GHG assurance programme in future reporting periods to continue to enhance carbon management and reporting.

Baseline year emissions:

EMISSIONS	TOTAL (tCO₂e)
Scope 1	69,298 (please refer to Annex 1 for explanations)
Scope 2	10,038 (please refer to Annex 1 for explanations)
Scope 3 (Included Sources)	1,082,081 (please refer to Annex 1 for explanations)
Total Emissions	1,161,417 (please refer to Annex 1 for explanations)

Current Emissions Reporting

Reporting Year: FY 2022 (January to December 2022)

EMISSIONS	TOTAL (tCO₂e)
Scope 1	8,738 (please refer to Annex 1 for explanations)
Scope 2	613 (please refer to Annex 1 for explanations)
Scope 3 (Included Sources)	809,589 (please refer to Annex 1 for explanations)
Total Emissions	818,940 (please refer to Annex 1 for explanations)

Emissions reduction targets

To continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:

- We have set a global science-based target, verified in July 2021 by the [Science Based Targets initiative \(SBTi\)](#), committing to reduce our absolute scope 1, 2 and 3 emissions by 33% by 2030 against a 2019 baseline.

We project that our UK carbon emissions will decrease by 163,788 tCO₂e by 2028. This is a reduction of 20% emissions.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The company's absolute GHG emissions have decreased year on year from those reported in FY21. This decrease in absolute emissions is largely because of a reduction in air freight shipments, changes in emissions factors (which are updated annually by the UK Government), and efforts to improve data quality.

The following environmental management measures and projects have been completed or implemented since the 2021 baseline.

- Installation of Electric Vehicle (EV) charge points for employees
- Migration of energy tariffs for all *key* sites across to renewable energy tariffs
- Appraisal of key sites and transport corridors for electric HGV infrastructure and vehicles.

We will continue to implement the following measures below alongside new initiatives that will be in effect when performing the contract:

- Maintain certification to international environmental standard ISO 14001
- Commence Greenhouse Gas (GHG) external assurance for UK emissions
- Continued participation with the Science Based Targets initiative (SBTi)
- Introduce zero emission HGVs into our fleet and infrastructure at our key UK sites
- Complete migration of *all* our energy tariffs across to renewable energy tariffs
- Increased installation of Electric Vehicle (EV) charge points for employees
- Increased adoption of LED lighting and renewable energy installations across our warehouses and offices where feasible.

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³. Emission sources that have been omitted due to data quality or availability issues have been omitted in line with the company's Restatement Policy, and restatements to these emissions will be made in FY23 reporting if any material differences are identified.

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:



Brian Cox

Managing Director, UK

Kuehne + Nagel Ltd, UK

Date: 19/11/2023

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>

Annex 1 – Data explanations and exclusions

Data source	Further information	Included?
Scope 1		
Fuel (transportation and distribution)	The company's fuel data comprises of both bunkered and company fuel card data across its business units and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for all Scope 1 fuel in FY22, with EcoTransIT methodology and conversion factors used previously in FY21. The company is analysing the quality of this data to determine the coverage across its activities.	✓
Oil (heating and plant)	The company's heating and plant oil has been included for all locations it fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for oil in FY22, with EcoTransIT methodology and conversion factors used previously in FY21. The company is analysing the quality of this data to determine the coverage across its activities.	✓
Natural gas	The company's natural gas data has been included for all locations it fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for Natural gas in FY22, with EcoTransIT methodology and conversion factors used previously in FY21. The company is analysing the quality of this data to determine the coverage across its activities.	✓
Fugitive emissions (refrigerants)	The company has not been able to complete the data gathering process to validate Refrigerant data for FY22 and FY21. This process will be completed and reported against in FY23 in line with the company's Restatement Policy.	✗
Scope 2		
Electricity (buildings)	Electricity data has been included for all locations the company fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for Electricity (buildings). The company is analysing the quality of this data to determine the coverage across its activities.	✓
Electricity (EV chargers)	Vehicle electricity charge data has been included for all locations the company fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for Electricity (EV chargers). The company is analysing the quality of this data to determine the coverage across its activities.	✓
Scope 3		
Fuel (upstream and downstream transportation and distribution)	EcoTransIT methodology and conversion factors are used for Scope 3 carrier carbon emission calculations in FY22 and FY21. The company is analysing the quality of this data to determine the coverage across its activities.	✓

Electricity Transmission and Distribution (T&D)	Electricity T&D has been included for all locations the company fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for Electricity T&D.	✓
Hotels and Conference Rooms	Hotel and conference room data has been included for all locations the company fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for hotels and conference rooms. The company is analysing the quality of this data to determine the coverage across its activities.	✓
Business travel	Car (diesel, petrol, hybrid and electric), train, vessel and flight data has been included for all locations the company fully operates and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for business travel. The company is analysing the quality of this data to determine the coverage across its activities.	✓
Employee Home-working (teleworking)	Homeworking data has been included for all of the company's UK employees, with estimated home working days calculated based on total working days minus statutory holidays for FY22. No data is available for FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for homeworking.	✓
Employee Commuting	The company has not been able to complete the data gathering process to collect and validate employee commuting data for FY22 and FY21. This process will be completed and reported against in future reporting years in line with the company's Restatement Policy.	✗
Waste (disposal)	Waste (disposal) data has been included for all locations the company fully operates and includes both actual and estimated data for FY22. The company is analysing the quality of this data to determine the coverage across its activities. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for Waste (disposal). The company has not been able to complete the data gathering process for FY21. This process will be completed and reported against in FY23 in line with the company's Restatement Policy.	✓
Water (supply and treatment)	Water data has been included for all locations the company fully operate and includes both actual and estimated data for FY22 and FY21. UK Government GHG Conversion Factors for Company Reporting is used for carbon calculations for Water (supply and treatment). The company is analysing the quality of this data to determine the coverage across its activities.	✓