

Commitment to achieving Net Zero

NIS 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.

Baseline Year: Financial year April 2018 to March 2019

Additional Details relating to the Baseline Emissions calculations.

NIS is committed to reducing the impact we have on the environment in which we operate and have long established environmental KPIs by which we have monitored the performance of the business and used to drive environmental initiatives.

In 2019 NIS commissioned a “Carbon Baseline Assessment with Recommendations” report from the Making Carbon Work (MaCaW) project, this was an industry and academic collaboration funded by the European Regional Development Fund (ERDF). The report has baselined our Scope 1 & 2 emissions, with an assessment for Scope 3 limited to emissions that were considered to be actionable at the time. The recommendations from this report have guided our recent carbon reduction initiatives.

Within this financial year the Directors have committed to achieving Net Zero emissions by 2050, agreed a Carbon Reduction Target and have undertaken to measure our emissions against the GHG Protocol Scope 1, 2 & 3 emissions categories, in accordance with PPN06/21.

The Scope 3 emissions to be included are:

- Category 4 Upstream Transportation and Distribution
- Category 5 Waste Generated in Operations
- Category 6 Business Travel
- Category 7 Employee Commuting
- Category 9 Downstream Transportation and Distribution

The emissions data for the current reporting year has been calculated using the same methods as the MaCaW report and as such Scope 3 data is limited, in that only Category 5 Waste Generations have been included to date. Data to calculate emissions associated with the other Scope 3 Categories is either not available or unreliable, our ability to capture this data will be developed in the current operating period. If the totality of the Scope 3 emissions is found to be a significant proportion of NIS' overall emissions the baseline year will be reset.

Currently NIS does not operate in the Category 9 Downstream Transportation and Distribution areas, this category is not applicable. This assessment will be periodically reviewed, and the category included if NIS' operations change.

Baseline year emissions:2018-19	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	280
Scope 2	167
Scope 3 (Included Sources) Category 4 Upstream Transportation and Distribution Category 5 Waste Generated in Operations Category 6 Business Travel Category 7 Employee Commuting Category 9 Downstream Transportation and Distribution	Data unavailable 2 Data unavailable Data unavailable N/A
Total Emissions	449

Current Emissions Reporting

Reporting Year: 2022-23	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	185
Scope 2	75
Scope 3 (Included Sources) Category 4 Upstream Transportation and Distribution Category 5 Waste Generated in Operations Category 6 Business Travel Category 7 Employee Commuting Category 9 Downstream Transportation and Distribution	Data unavailable 1 Data unavailable Data unavailable N/A
Total Emissions	261

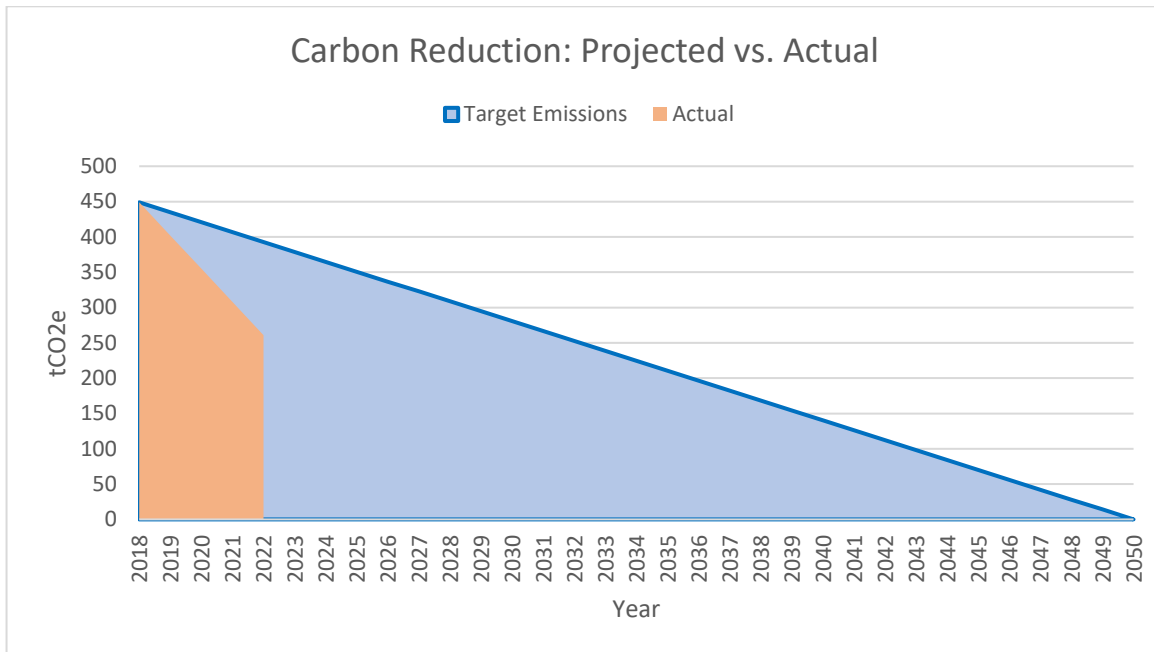
Emissions reduction targets

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

We project that Scope 1 & 2 carbon emissions will decrease over the next five years to 210 tCO₂e by year 2027-28. This is a reduction of 20%.

Targets for Scope 3 will be established when the maturity of the data allows more detailed analysis.

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2018-19 baseline. The carbon emission reduction achieved by these schemes equate to 187 tCO₂e, a 42% reduction against the 2018-19 baseline, the measures will be in effect when performing future contracts.

- Office lighting throughout NIS facilities has been replaced with LED lighting.
- The HV electricity supply transformer to the Ackhurst Road site has been replaced with a higher efficiency unit.
- Significant uptake of EVs within the fleet, supported with an onsite charging infrastructure to encourage the adoption for business and commuting use.

- Implementation of a four day working week, allowing the offices and factory emissions to be significantly reduced on Friday's. This was trialled during last three months of the reporting period, full benefits will be realised in future years.

In the future we hope to implement further measures such as:

- Introduction of de-stratifying fans to assist with thermal control in the workshops.
- Replacement of central heating boilers with more efficient devices.
- Implement our infrastructure upgrade plan which includes the retirement of older inefficient production plant.
- Increase our on-site storage facilities to reduce transportation emissions associated with off-site storage.
- Improve our data collection around Scope 3 emissions to quantify our emissions and identify improvement opportunities.

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.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of NIS Ltd:



David Brown
Technical Director

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>

Date: 2nd October 2023