



Carbon Reduction Plan

AEUK/2022/1079 / V1

30 March 2022

PPN-0621

Supplier Name: ATLAS ELEKTRONIK UK



Cabinet Office

 **ATLAS ELEKTRONIK UK**
A company of the ATLAS ELEKTRONIK Group

CONTROL

RELEASE

Action	Name	Role	Date
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CHANGE HISTORY

Version	Date	Change Details
V1	30 Mar 2022	First Published Issue

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1. COMMITMENT TO ACHIEVING NET ZERO

Atlas Elektronik UK (AEUK) is committed to achieving Net Zero emissions by 2045.

2. 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: October 2020 to September 2021 (AEUK Financial year)

Additional Details relating to the Baseline Emissions calculations.

AEUK has not previously published its baseline emissions. Additionally, AEUK is a growing business and while we have implemented a wide range of measures to reduce the environmental impact of our operations, the net effect is an increase in CO₂e emissions over recent years. We have therefore decided to use our last full financial year as our baseline as being the most representative data set against which to measure our reductions going forwards and as our first reporting period.

For this period we have evaluated our Scope 1 (direct) and Scope 2 (indirect energy) emissions and have good data sources for these and have followed Streamlined Energy and Carbon Reporting (SECR) practices in determining our baseline for these scopes. For Scope 2 emissions we have not taken account of any reduction in applicable conversion factors because we source our electricity from renewables and nuclear. This requires further assessment and validation before any reduction can be applied.

For Scope 3 (upstream and downstream indirect) emissions we have assessed our boundaries and have prioritised Categories 4, 5, 6, 7 and 9 for evaluation and data for these are included in the baseline reported here. We have followed Green House Gas (GHG) Protocols in assessing these and used UK Government sourced emissions factors wherever possible to determine the baseline emissions for these categories. In accordance with GHG protocols we have used a variety of methods as appropriate to estimate emissions. As shown below, this has enabled us to scope these emissions and assess their significance for reduction and further assessment using more optimised methods in the future where needed.

Next we will prioritise other Scope 3 categories and estimate these to form an overall assessment of our full carbon emissions baseline for the first time.

Consequently, we expect to revise our baseline as we obtain more accurate emissions data and as we complete our assessment of the full Scope 1, 2, and 3 emissions.

Baseline year emissions:		
EMISSIONS	TOTAL (tCO₂e)	
Scope 1	193	
Scope 2	432	
Scope 3 (Included Sources)	2582 (Categories 4, 5, 6, 7, & 9 only)	
	Categories 4 & 9 – Upstream Transportation & Distribution	418
	Category 5 – Waste generated in Operations	93
	Category 6 – Business Travel	500
	Category 7 – Employee Commuting	1571
	Category 9 - Downstream Transportation & Distribution	0
	(Note for AEUK Category 9 is included within Category 4 in accordance with GHG Protocols)	
	Total	2582
Total Emissions	3207	

3. CURRENT EMISSIONS REPORTING

Reporting Year: September 2021 to October 2022

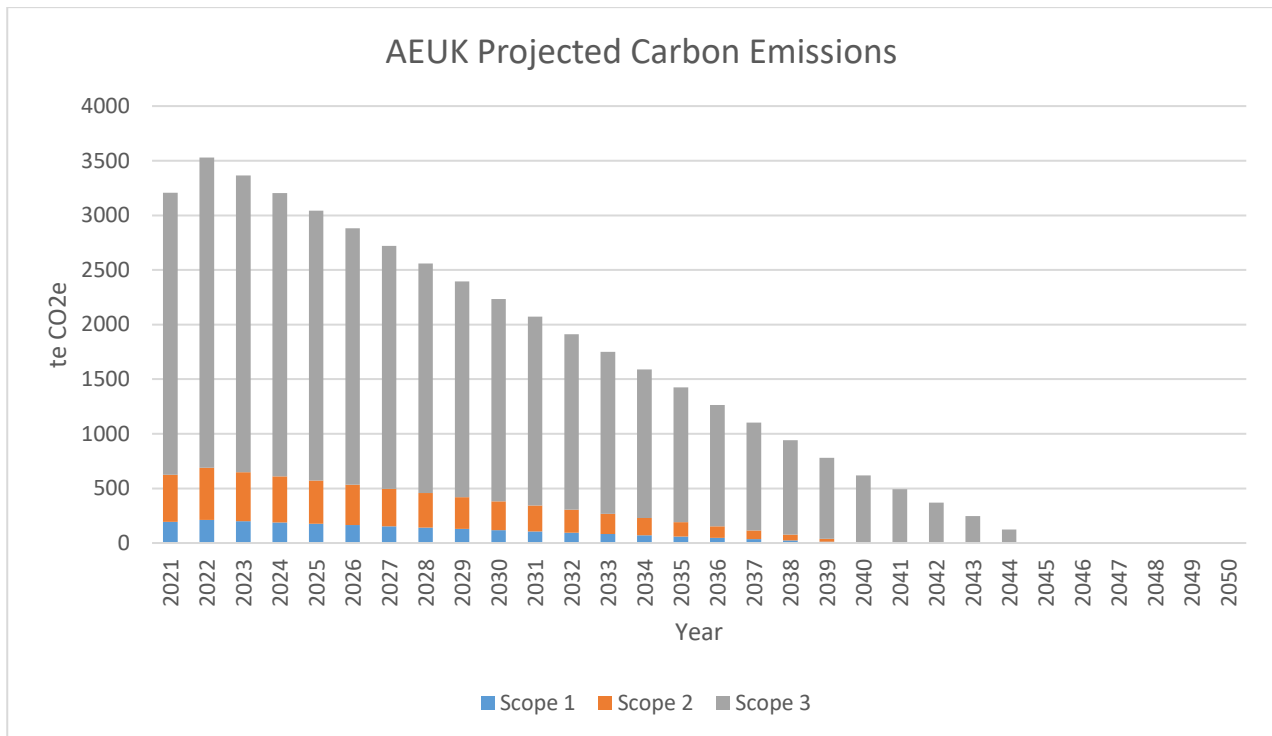
There are no data available yet for the current reporting year

EMISSIONS	TOTAL (tCO₂e)
Scope 1	Not available yet
Scope 2	Not available yet
Scope 3 (Included Sources)	Not available yet
Total Emissions	Not available yet

4. EMISSIONS REDUCTION TARGETS

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

- AEUK is committed to achieve net zero emissions in Scopes 1 & 2 by 2040
- AEUK is committed to achieving net zero in Scope 3 emissions by 2045 latest



As we are a growing business, we project that carbon emissions will increase initially before starting to decrease over the coming years. Based on the plan above we project a decrease for Scopes 1, 2, and 3 combined of 324 te CO₂e by October 2026. This is a reduction of 10% on the baseline, noting however, that we expect to revise this significantly as we determine the full Scope 3 emissions which are clearly the dominant area of our CO₂e emissions. Also, note that we have not applied any multiplication factors for different types of GHGs as we have assessed that we do not currently contribute significantly to any other GHG categories other than Carbon Dioxide.

We will update the above plan with actual progress in due course with a re-issue at least annually.

5. CARBON REDUCTION PROJECTS

5.1 Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since 2014 but before the 2020/21 baseline and so these do not contribute to our forward carbon reduction measures. We are in the process of quantifying the carbon emissions reductions achieved by these actions:

- Replacement of all lighting in our main building with LED fittings;
- Installation of sensors to reduce water usage in kitchens and bathrooms;
- Electricity sourced via 100% renewables or nuclear;
- Awareness campaigns to employees and visitors on our strategy and CO₂ emission reductions coupled with mandatory training modules for all staff on energy and environment;
- Improvements in insulation on large areas of our building structures;
- Improvements in our Building Management System for controlling energy and heating;
- Installation of 4 charging points for electric/hybrid vehicles;
- Replacement of plastics wherever possible with sustainable alternatives, eg our in house Café uses only vegware packaging only and cups/stirrers/etc which are fully compostable;
- Our new production facility (Horizon Building) was designed and delivered in compliance with ISO 50001 Energy Management requirements;
- We have replaced a high proportion of our aging and inefficient air conditioning systems and boilers with modern more efficient systems.

During the baseline year we have implemented the following initiatives:

- Installation of a further 28 charging points for electric/hybrid vehicles putting us well ahead of national targets
- We have continued to replace aged and inefficient air conditioning systems and boilers with modern more efficient systems.

Atlas Elektronik UK (AEUK) is a progressive and successful business which strives to be at the leading edge of business operation as well as technology solutions. As such we have forward thinking strategies on supporting and developing our people, working with our supply chain, and improving our stewardship of the environment. First steps on the latter were taken in 2007 when we gained ISO 14001 Environmental Management accreditation followed by the establishment of our Energy Management Team (EMT) and accreditation to ISO 50001 Energy Management in 2015.

As a business which has consistently grown since 2009, the EMT has helped AEUK use its energy more effectively and reduce the energy consumption per employee that would otherwise have occurred by around 40%. Now, we must and will go further to make radical changes in our operations and supply chain activities to drive down and

eliminate wherever possible our carbon emissions in Scopes 1 and 2 and to quantify and then reduce or eliminate our emissions in Scope 3.

Building on the progress achieved through the EMT we are fully committed to achieving net zero by 2045 and have established a team with support from the AEUK Board to deliver this. This strategy is by necessity embryonic but will grow and crystallise through the following:

- Phase 1-Discovery, exploration, and initial implementation (5 years or less);
- Phase 2-Transformation (less than 20 years).

Phase 1 will target identification and implementation of viable initial carbon reduction and offset actions that can be achieved within the five year period. Our assessment of Scope 3 emissions Categories to date demonstrates that these are our dominant emissions and we will therefore engage with our Supply Chain starting with the most critical suppliers from an emissions perspective to understand their carbon emissions and their strategies for achieving net zero.

Phase 2 will cover substantive programmes and changes to reduce our carbon emissions down to the required target levels.

In the future we will evaluate for implementation further measures such as:

- Replacement of natural gas fuelled systems in our buildings with suitable alternatives;
- Replacement of fossil fuelled company vehicles with fully electric vehicles;
- Provision of electricity on site generated from solar panels where possible;
- Working with our supply chain to help them reduce the emissions that feed into our products and services;
- Assessing our products and developing strategies to power them from environmentally neutral energy sources;
- Reducing business travel as much as practical or undertaking via environmentally neutral energy solutions;
- We will explore options to compensate for unavoidable emissions.
- Engagement with our parent organisations to build on their established commitment to, and evaluation by, the Science Based Targets Initiative;
- Disclosing our emissions via the Carbon Disclosure Project and gaining independent support to help structure our forward strategy;
- Maintaining and improving our environmental management systems such as ISO 14001 Environmental Management and ISO 50001 Energy Management and increasing our focus on Sustainability;
- Continuously reviewing our processes for improvement and opportunities for reduction of carbon emissions.

The above measures will demonstrate our commitment to achieving our net zero targets and providing transparency of our activities and progress.

6. 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

¹ 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 (or equivalent management body).

Signed on behalf of the Supplier:



Antoni Mazur, Managing Director

Date: 30th March 2022

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>