



Carbon Reduction Plan

AEUK/2022/1079 / V2

31 March 2023

PPN-0621

Supplier Name: ATLAS ELEKTRONIK UK

CONTROL

RELEASE

Action	Name	Role	Date
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Authorised by	Antoni Mazur	Managing Director	30 Mar 2022

CHANGE HISTORY

Version	Date	Change Details
V1	30 Mar 2022	First Published Issue
V2	31 Mar 2023	Second Published Issue

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1. COMMITMENT TO ACHIEVING NET ZERO

Atlas Elektronik UK (AEUK) remains committed to achieving Net Zero emissions by 2045 as defined by Policy Procurement Note 06/21.

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 first published its baseline emissions in March 2022. 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 chosen to use our financial year of 2020/2021 as our baseline as being the most representative data set against which to measure our reductions going forwards and for our first reporting period.

For this period we have evaluated our Scope 1 (direct energy) 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 (indirect upstream and downstream) 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. As more optimised methods are implemented this may also us to revise previous estimates to increase their accuracy where needed. Additionally, since the first publication of our CRP we have undertaken independent verification of our calculations for our baseline year. This has confirmed the validity of our calculations and assumptions but also identified a minor adjustment as an addition to our declared emissions to cover emissions related to our air conditioning systems. Furthermore, a survey with our employees relating to their transport usage for commuting to/from the workplace has resulted in a more accurate assessment of our Scope 3 Category 7 emissions for our baseline year. The net effect is an overall reduction in our total baseline emissions as shown below.

Since March 2022 we have also conducted an assessment of our full emissions applicable under Scope 3 and our next step is to conduct a further independent verification for both the baseline year and our last full financial year (2021/2022). We now have an overall assessment of our full carbon emissions baseline for the first time.

We are evolving our estimation methods and this may lead to further revisions of our baseline emissions in future issues of this Carbon Reduction Plan.

Baseline year emissions:		
EMISSIONS	TOTAL (tCO₂e)	
Scope 1	(Previously assessed as 193 , FGAS emissions now included) 255	
Scope 2	432	
Scope 3 (Included Sources)	2000 (was previously 2582, reduced after more accurate assessment of categories 4 & 7) (Categories 4, 5, 6, 7, & 9 only)	
	Categories 4 & 9 – Upstream Transportation & Distribution	507 (was 418)
	Category 5 – Waste generated in Operations	93
	Category 6 – Business Travel	500
	Category 7 – Employee Commuting	900 (was 1571)
	Category 9 - Downstream Transportation & Distribution	0
	(Note for AEUK Category 9 is included within Category 4 in accordance with GHG Protocols)	
	Total	2000
Total Emissions	2687 (was 3207)	

Table 1. Carbon emissions for baseline year.

3. CURRENT EMISSIONS REPORTING

Following the same methodology we have calculated our carbon emissions for our financial year October 2021 to September 2022. These are shown in the table below.

Reporting Year: September 2021 to October 2022		
Data are provided below for the reporting period		
EMISSIONS	TOTAL (tCO₂e)	
Scope 1	207	
Scope 2	398	
Scope 3 (Included Sources)	2637 ((Categories 4, 5, 6, 7, & 9 only)	
	Categories 4 & 9 – Upstream Transportation & Distribution	654
	Category 5 – Waste generated in Operations	96
	Category 6 – Business Travel	999
	Category 7 – Employee Commuting	887
	Category 9 - Downstream Transportation & Distribution	0
	(Note for AEUK Category 9 is included within Category 4 in accordance with GHG Protocols)	
Total	2637	
Total Emissions	3242	

Table 2. Carbon emissions for most recent financial year.

4. EMISSIONS REDUCTION TARGETS

In order to continue our progress to achieving Net Zero as defined under PPN 06/21, 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

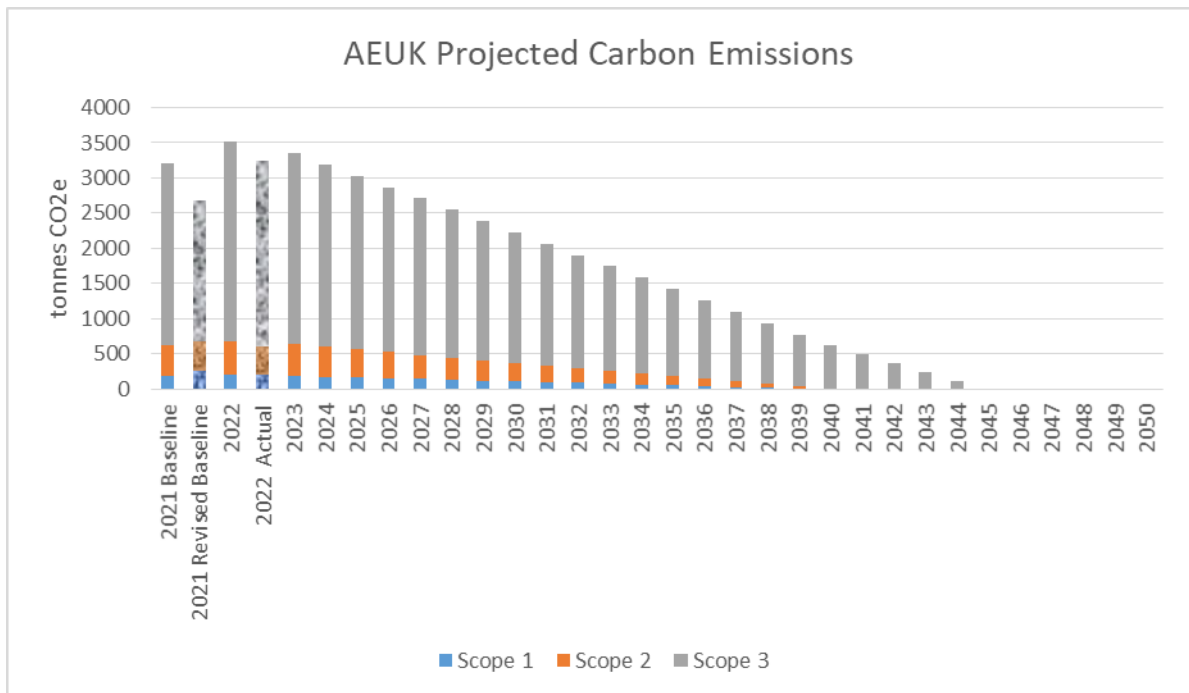


Figure 1. Projected and Actual AEUK Carbon Emissions.

As we are a growing business, we project that carbon emissions will increase in the next few years before starting to decrease as specific measures start to take effect. This is reflected in our actual estimated emissions for financial year 2021/22 as shown above with the actuals shown as the shaded bars.

We expect to revise our forecast emissions significantly as we determine our applicable Scope 3 emissions in full as these are clearly the dominant area of our overall CO₂e emissions.

Please refer to Section 5 for further details on our strategy to deliver net zero operation.

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 Operational Context

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. Our accreditation against ISO standards is subject to regular and ongoing independent audit.

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.

The following sections outline our progress prior to the introduction of PPN 06/21, initiatives implemented since, and our overall strategy to deliver net zero operation for AEUK ahead of the UK target of 2050.

5.2 Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed since 2014 but before the 2020/21 baseline and so these do not contribute to our forward carbon reduction measures:

- 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 (but not fully certifiable);
- 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 and cups/stirrers/etc which are fully compostable;
- Minimisation of waste to landfill and maximisation of waste to recycling waste streams;
- Our main 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 also 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.

5.3 Net Zero Strategy

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 evolve through the following:

- Phase 1-Discovery, exploration, and initial implementation (5 years or less, currently in year 2). This is predominantly focussed at infrastructure and operational changes;
- Phase 2-Transformation (less than 20 years). This is predominantly focussed at technology led changes and has started in parallel with Phase 1.

Phase 1

Phase 1 is targeting identification and implementation of viable initial carbon reduction and potential offset actions that can be achieved by the end of the current decade. Progress achieved in the last year comprises the following:

- Understanding AEUK's carbon emissions:
 - Independent verification of the carbon emissions published in Issue 1 of this Carbon Reduction Plan;
 - A survey with our employees relating to their transport usage for commuting to/from the workplace. This resulted in a more accurate assessment of our Scope 3 Category 7 emissions for our baseline and subsequent years;
 - Completion of a full assessment of our Scope 3 emissions for the baseline year to yield our first full assessment of our complete carbon emissions;
 - Completion of a full assessment of our Scope 1, 2, and 3 carbon emissions for our last full financial year 2021/22;
 - Engagement with an external party to conduct a further and full verification activity during 2023 on our baseline year and last financial year Scope 1, 2, and 3 emissions;
 - Engagement with the top 60 suppliers from our supply chain to complete an initial assessment of their carbon emissions estimates and net zero strategies;
 - Engagement with wider stakeholders and industry forums for collaborative working.

- Carbon Reduction initiatives:
 - Identification of priority areas for carbon reduction initiatives based on the outputs of our full Scope 1, 2, and 3 carbon emissions assessments;
 - Definition of our Sustainability Charter (see overview in Annex 1) and briefings to employees on this and our overall net zero strategy;
 - Confirmation that we will switch our energy contracts as they reach expiry to certifiable non-fossil fuel based supplies;
 - Personnel attending industry conferences to continue to improve our own understanding of net zero and how the industry is adapting;
 - Engagement with our customers to develop meaningful conversations regarding how we can collaborate to meet our individual net zero targets;
 - Implementation of ISO 50001 principles to our new restaurant, warehouse, and meeting rooms facility currently in construction and inclusion of heating solutions with reduced environmental impact (eg Air Source Heat Pump) and zero usage of natural gas;
 - Generation of action plans for each of our priority emissions action areas;
 - Creation of a company wide Technology Repository for the capture of potential technologies as future carbon reduction solutions and facilitating easy access for information sharing;
 - Health check completed for our air handling and air conditioning systems confirming efficient operation and potential measures for further optimisation;
 - Endorsement by AEUK's Board of our overarching net zero strategy and sustainability strategy and communicated to our employees via briefings by our Managing Director.

The above list is not exhaustive and there are other ongoing activities in Phase 1 which will be covered in subsequent issues of this Carbon Reduction Plan.

Phase 2

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 understand and reduce the emissions that feed into our products and services;
- Evolve our product development and support strategies to integrate new neutral energy sources and carbon saving measures;
- Reducing business travel as much as practical or undertaking via environmentally neutral energy solutions coupled with adapting our business travel guidelines;
- 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;

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- 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 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 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 (or equivalent management body).

Signed on behalf of ATLAS ELEKTRONIK UK:



Antoni Mazur
Managing Director

Date: 30th March 2023

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

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

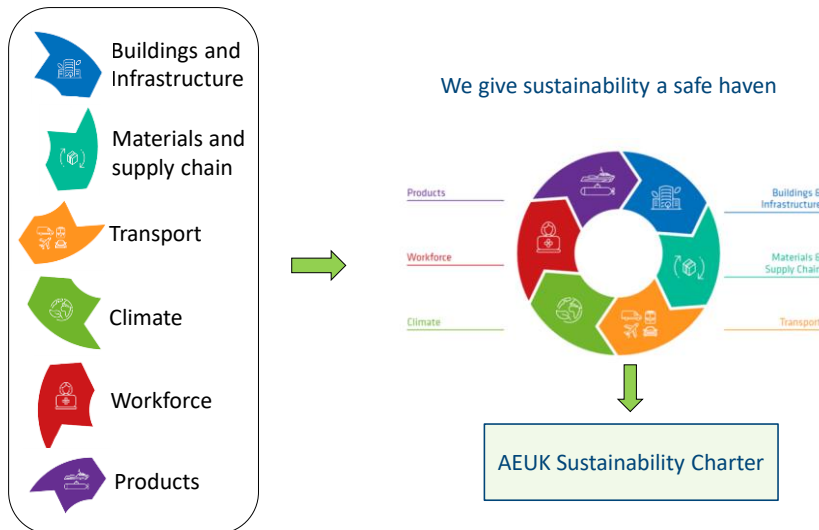
³ <https://ghgprotocol.org/standards/scope-3-standard>

ANNEX 1

ATLAS ELEKTRONIK UK – SUSTAINABILITY CHARTER

PROTECTIVE MARKING

Atlas Elektronik UK Sustainability Charter



THE ATLAS ELEKTRONIK Group/ 9

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PROTECTIVE MARKING

Atlas Elektronik UK Sustainability Charter – Pillars

Buildings & Infrastructure



To reduce the CO2e produced by existing and future AEUK facilities

Materials & Supply Chain



Sustainable material sourcing and to reduce and/or remove material waste from the production of AEUK products

Transport



To reduce the carbon footprint of travel for business and commuting by AEUK employees, goods transport and suppliers

Climate



To reduce / remove any negative impact of AEUK operations on the world climate

Products



To ensure that all AEUK products have sustainability principles embedded within their design and support solutions

Workforce



To provide a work environment that develops its employees and cares about health and wellbeing

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