



Carbon Reduction

Publication Date: 16th December 2022

Commitment to Achieving Net Zero

AST Networks is committed to reducing emissions to achieve 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 reductions can be measured.

Baseline Year: 2021	
Additional details relating to Baseline Emissions calculations	
Baseline year emissions:	
Emissions	Total (tCO₂e)
Scope 1	0.0002
Scope 2	0.1022
Scope 3 (included sources)	0.0244
Total Emissions	0.1268 tCO₂e

Reporting Year: 2022	
Emissions	Total (tCO₂e)
Scope 1	0.00021
Scope 2	0.1124
Scope 3 (included sources)	0.0269
Total Emissions	0.1395 tCO₂e

Emissions Reduction Target

As post-COVID activities have begun to normalise, so our emissions in 2022 are expected to be marginally larger than in 2021 (when we travelled less, had fewer people working in the office, and shipped fewer orders for example). However, in order to continue our progress to achieving net zero, we have adopted a carbon reduction target. We project that carbon emissions will decrease over the next two years to 0.1268 tCO₂e by 2024 This is a reduction of 10%

Carbon Reduction Projects

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

The carbon emission reduction achieved by these schemes will equate to a 10% reduction against the 2021 baseline and the measures will in effect when performing the contract.

We are committed to reducing the impact of our business on the planet and have initiated a number of green initiatives within the business:

- Achieved recertification to ISO14001.
- 100% of electricity comes from non-fossil fuel sources.
- Replaced aging fluorescent ceiling lights with an energy efficient LED system throughout our Headquarters.
- All monitors and computers are set to sleep after 10 minutes of inactivity to reduce energy consumption.
- We reduce travel as much as possible, relying on video for example to reduce our carbon footprint
- When we travel by plane, we select the carbon offset fee option where possible – currently with Ryanair, EasyJet and KLM.
- We have replaced plastic bottles with tins in our vending machines.
- Reduced the number of printers in the building by >50%
- We reuse supplier cardboard boxes and filling packaging, and any packaging cushions we use from new are 100% biodegradable and made from recycled materials.
- We have installed 3 electric car charging points to encourage electric car usage.
- We have an active working from home policy to reduce commuting to the office.
- We have stopped using paper towel products in our bathrooms and swapped to energy efficient hand dryers.
- Instead of traditional paper toilet rolls we use sustainable bamboo alternatives.
 - We actively encourage recycling in our offices and kitchens and have introduced facilities to make it easier.
- We have light sensors in bathrooms, kitchens, and corridors to reduce the consumption of electricity.
- Our NetZero team is planning further to incorporate and influence or incentivise staff, suppliers, customers, and communities through the publication of our improvement activities on both internal and external mediums.
- Our NetZero team are looking to invest in the adoption and/or deployment of technologies that help reduce carbon emissions in service delivery across the entire supply chain.
- We are looking to invest in the monitoring and reporting of carbon emissions of the company, our supply chain, and the solutions we will deliver to our customers.
- Environmental sustainability: promoting sustainable production and consumption and an improvement in environmental quality in support of the UK Government 25-year environment plan.

We are currently scoping an expanded use of renewable sources of energy by using solar panels. Although this initiative requires significant investment at first, we believe that there

is a considerable return on that investment available in term of both reduced spending on energy, and reduction in greenhouse gas emissions.

We are also investigating the potential use of DHL's "Go Green" scheme to offset some of our emissions through tree planting schemes.

We identified that there was still a significant amount of paper within the business, and the production of paper causes substantial amounts of carbon dioxide be released into the atmosphere. We have committed to becoming a paperless office as much as possible and where this is not possible, staff are strongly encouraged to recycle paper and cardboard. We encourage employees to edit and proof all their documents on their computer and have provided DSE workstation adjustments to make it easier (e.g. having 2 monitors). Unless it is a formal document, staff should always print on both sides of a sheet of paper before recycling it. Memos, company announcements, and all internal communications can and should be sent through email or posted on an online message board.

As well as reducing our carbon footprint, our recycling initiative has also led to a reduction in the amount of material that we send to local landfill. For recycling of electrical appliances, we partner with local businesses to ensure that all our appliances are disposed of or recycled in accordance with WEEE regulations. We are also looking at more cloud-based infrastructure to further reduce our carbon footprint.

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 reporting.

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) Standard.

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:



Name: Dan Housego-Watts

Titel: Head of Operations