

Carbon Reduction Plan

1. Commitment to Achieving Net Zero

Aseptika Ltd is committed to achieving Net Zero emissions by 2025, a decade earlier than the NHS target.

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: 2021	
Additional Details relating to the Baseline Emissions calculations.	
<p>As an SMEs, we have ticked “Yes” to having a Carbon Reduction Plan and we have provided a Baseline Emissions Calculation prior to this Framework contract commencement. Aseptika has in place an internal written quality management system (ISO 13485:2016 for medical devices), which has been externally accredited by our Notified Body BSI. Please find our ISO 13485:2016 certificate as evidence. The equivalent of ISO 14001 for medical devices is ISO 13485:2016 (externally validated by BSI), in which a major component of the QMS is the management commitment, procedures to control and manage our environmental aspects and responsibilities.</p> <p>We currently have not been awarded contracts over the qualifying £5M+ mark and, therefore, we provide an Emissions Calculation for the last two calendar years.</p>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1 Green House Gas Emissions for the business an estimate only.	2.15 (2%)
Scope 2 Emissions for electricity or energy we buy for heating and cooling buildings and estimate only as our Landlord does not provide	3.45 (3%)

a breakdown of our energy Usage.	
Scope 3 (Included Sources) All emissions associated with staff to work transport, business transport by car/rail/bus, transport of products from China, transport of deliveries within UK, transport of deliveries to customers, but does not yet include the cost of manufacturing of suppliers products we buy in, customers/healthcare organisations using the devices, carbon reduction by 100% recycling waste, 100% product recyclable packaging, saved patient/staff/healthcare organisation by using MS Teams instead of face-to-face meetings and our Active+me REMOTE, Asthma+me and Activ8rlives ⁴ Health+Wellness Apps rather than appointments at Hospital/GP/Gym.	96.13 (95%)
Total Emissions	101.73 tCO₂e

3. Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO₂e)
Scope 1 Green House Gas Emissions for the business an estimate only.	2.15 (9.8%)

<p>Scope 2</p> <p>Emissions for electricity or energy we buy for heating and cooling buildings and estimate only as our Landlord does not provide a breakdown of our energy Useage.</p>	<p>3.45 (15.9%)</p>
<p>Scope 3 (Included Sources)</p> <p>All emissions associated with staff to work transport, business transport by car/rail/bus, transport of products from China, transport of deliveries within UK, transport of deliveries to customers, but does not yet include the cost of manufacturing of suppliers products we buy in, customers / healthcare organisations using the devices, carbon reduction by 100% recycling waste, 100% product recyclable packaging, saved patient/staff/healthcare organisation by using MS Teams instead of face-to-face meetings and our Active+me REMOTE and Asthma+me Apps rather than appointments at Hospital/GP/Gym.</p>	<p>16.198 (74.3%)</p>
<p>Total Emissions</p>	<p>21.798 tCO₂e (79.932% reduction from 2021 baseline figure)</p>

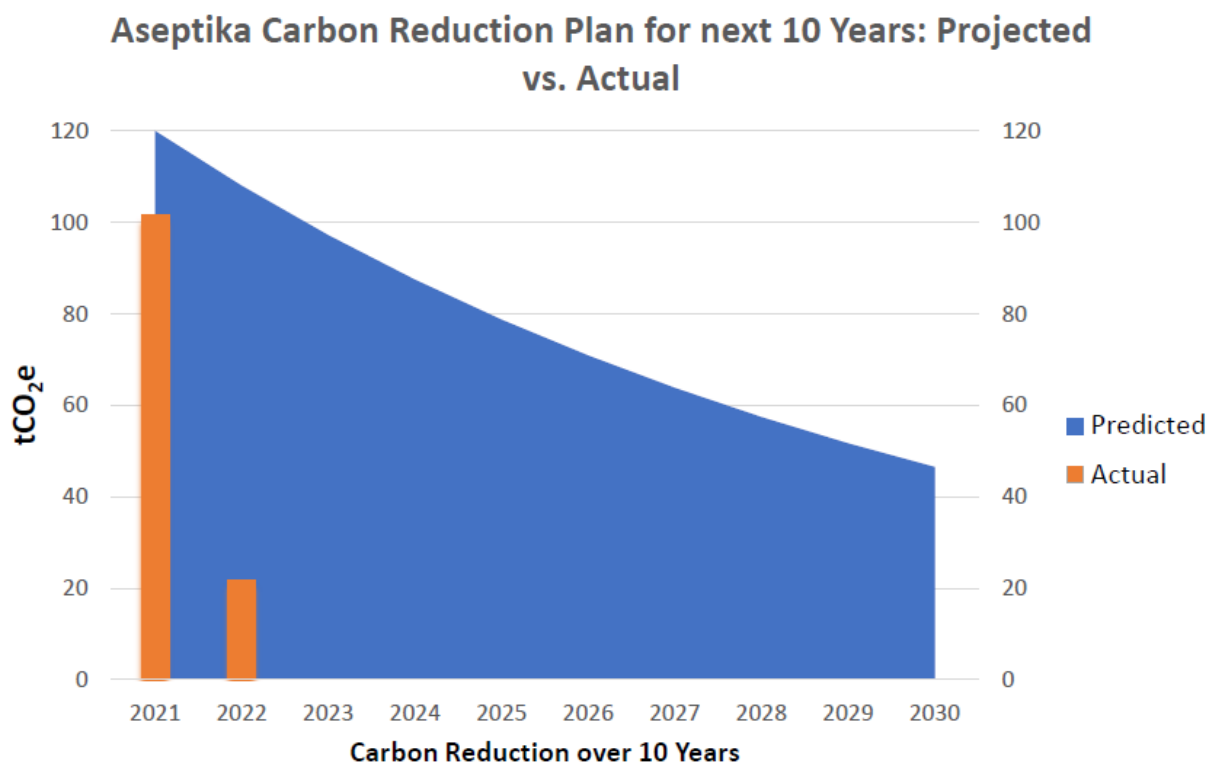
4. Emission Reduction Targets

[Aseptika \(www.activ8rlives.com\)](http://www.activ8rlives.com) follows environmental management measures and projects that have been implemented since the 2021 baseline calculation. The carbon emission reduction achieved by these schemes can now start to be equated at this point in time following our first year of reporting. We have put in place environmental management measures to bring about a **30%** reduction year on year against the 2021 baseline figures and the measures are in effect currently.

- 100% of waste from the Aseptika offices and manufacturing are ethically and responsibly recycled as part of our waste reduction scheme.
- All company business journeys are undertaken in electric vehicles, where possible, and sustainable energy is used for the charging of these vehicles.
- Shipping of products to patients/NHS in the UK are undertaken by the most efficient means to areas already covered by Royal Mail and ParcelForce.
- Using the energy saving mechanisms currently used in LDH House: automatic motion detectors to turn on LED lights, scheduled air conditioning, heat pumps and waste recycling.
- Sourcing components/products/suppliers in the UK and closer to Cambridgeshire.
- Establish plans to fund Aseptika's expansion of manufacturing facilities in Cambridgeshire.
- Electric Vehicle charging at office location and/or staff homes.

5. Progress Against these Targets

Progress against these targets are illustrated in the graph below, aiming to achieve 30% reduction each year over the next four years from the Baseline Emissions Calculation to be net zero by 2025.



6. Carbon Reduction Projects

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

Short-term reductions:

- Reducing business travel emissions by 80% by 2023, against the 2021 baseline and achieve net zero by 2025 by using only electric vehicles charged from sustainable sources for all business miles.
- As a company we will also encourage staff to purchase hybrid/electric vehicles and providing carbon neutral charging facilities at the workplace.
- The addition of a dedicated energy meter at the Company's workplace.
- Investing in suppliers, services and solutions that help Aseptika, our suppliers and customers (B2B and B2C) to decarbonise their activities to other sustainability challenges and opportunities, such as medical device suppliers manufacturing in the UK rather than China, transport that relies on biodiesel/electric, delivery services that use biodiesel/electric vehicles.
- Adopting the recommendations from the UK Government PPN 06/21, in relation to: recovery from COVID-19 and backlog in the NHS; tackling economic inequality; fighting climate change; equal opportunities in the workplace; and improving health and wellbeing.
- Equal opportunities recruitment locally, to encourage staff to walk or cycle to work.
- Development and funding of a manufacturing site within the UK, to bring manufacturing closer to our office, reducing transport carbon emissions from bringing in parts/products from China.

Long-term reductions:

- Using nature-based solutions and carbon-reduction technologies to remove or offset, more carbon than we emit from the atmosphere each year, such as the office/manufacturing site off grid 100% of the time, employing nature-based technologies such as solar panels to generate electricity for office use and electric vehicle charging, reducing our carbon emissions but over time sell energy to the national grid (solar, wind, heat pumps, waste heat storage etc).
- Reducing office electricity usage and procuring 100% renewable energy for our remaining office and manufacturing needs.
- Structuring electricity supply so that all energy that is required is generated by the company and any excess power beyond our requirements are sold into the national grids.
- Providing Aseptika's teams with tools that enable them to calculate, then work to reduce the carbon emitted when carrying out product design, development, manufacture, servicing and distribution.
- With the design and development of our remote monitoring medical devices, tools and services, we align our carbon reduction strategy with that of the NHS but aim to achieve net zero 15 years earlier than the NHS's target of 2040.
- Requiring our third-party suppliers to set science-based carbon reduction targets no later than 2025.

Aseptika's Net Zero Strategy aligns with these key actions.

7. 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).

Name	Title
Kevin A. Auton PhD	Managing Director
Sign off Date	Review Date
04.10.2023	04.10.2023

8. Document History

Version	Date	Author Initials	Reviewer's Initials	Summary of Changes	Authorised by & date
1.0	25.04.2022	JA		Initial doc CC2022-029	
2.0	29.08.2022	JA	CAA	Update to new Gov format CC2022-051	CAA 29.08.2022
3.0	25.09.2023	JA	CAA	Update to Baseline CC2023-019	JA 04.10.2023

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>