

Carbon Reduction Plan



Supplier name: **BAUER Consultants Ltd**

Publication date: 27.08.2024

Commitment to achieving Net Zero

BAUER Consultants 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: 2022/23 (01/04/2022 to 31/03/2023)	
Additional Details relating to the Baseline Emissions calculations.	
Emissions data had not been published in prior years as this was a dormant company therefore we selected 2022/23 as our base year. The methodology for measuring our carbon footprint is in line with the Greenhouse Gas protocol and the BEIS Environmental Reporting Guidelines. The calculations were completed on the SmartCarbon Calculator using the UK Government emissions factors.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	8.20
Scope 2	25.00
Scope 3	Scope 3 total – Yet to be assessed – Predicated to be @ 45.00 when in full production late 2024 inti 2025 Upstream T&D Bauer Consultants was a dormant company specifically reopened 2022 to begin research and dvelopment of a new novel Biocide and disifection project called Naturama post-COVID learning from procedures and practices during the COVID outbreak.

	Waste 0.01 Business Travel – 0.25 Employee Commuting – 0.12 Downstream T&D - Not yet assessed
Total Emissions	33.58

Current Emissions Reporting

Reporting Year: 2023/24 (01/04/2023 to 31/03/2024)	
EMISSIONS	TOTAL (tCO_{2e})
Scope 1	7.00
Scope 2	22.50
Scope 3 (Included Sources)	Scope 3 total – 46 Upstream T&D – We provide manufactured UK products with our entire supply chain based in the United Kingdom vastly reducing Carbon Miles as all are internal UK trade movements from a small selection of UK suppliers into company, then processed and then out to UK end-users. Waste - 0.02 Business Travel – 0.40 Employee Commuting – 0.12 Downstream T&D – not relevant – explanation provided BAUER Consultants is a chemical research and development entity now engaged full time manufacturing fully BRP Certified biocides and other relevant hygiene products. Mass manufacture is yet to commence to give accurate 2024-25 predictions. https://naturama-biocide.com/resources/

Total Emissions	69.04
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Emissions reduction targets

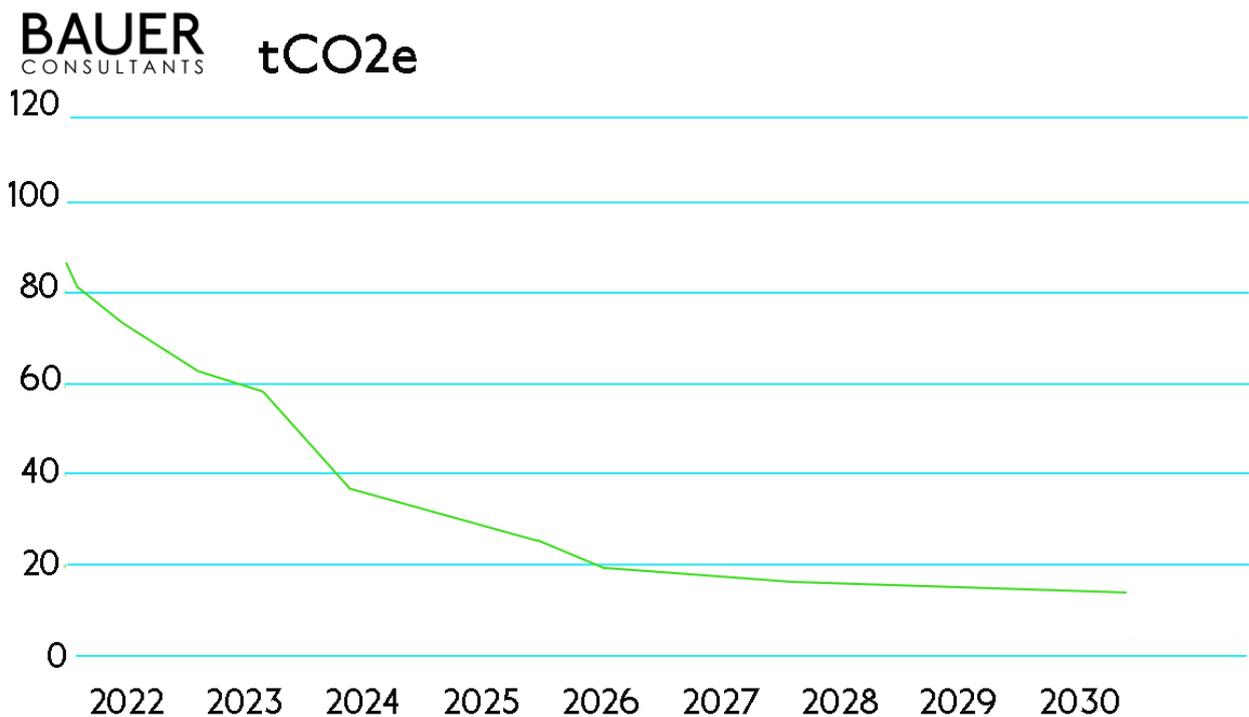
We have had no previous emissions reduction commitment as BAUER Consultants was a dormant company and is classed as a Start-Up SME

In order to continue our progress to achieving Net Zero since the base year 2022/23, we have adopted the following carbon reduction target.

We project that carbon emissions will decrease over the next five years to 54 tCO₂e by 2025/26. This is a reduction of 23% from 2022/23 and the projection is to reach net zero carbon by 2050.

It is envisaged that carbon offsetting or technology such as carbon capture and storage will be deployed to achieve the difference between actual and net zero carbon.

Progress against these targets can be seen in the graph below (2022 to 2023 are actuals 2023 to 2030 are projected):



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

It should be noted that the reductions in CO₂ in 2022/23 and 2023/24 are attributed especially to the period during which COVID significantly impacted operational capacity.

2022 was not a typical operational year as BAUER Consultants is classed as a Start-Up having been a dormant Limited Company first registered 8th December 2000 – see

<https://find-and-update.company-information.service.gov.uk/company/04121763>

Scope 1&2 emissions in 2022/23 total 33.58 with predicted 2023-24 at 69.04 as the company moved from small batch R&D work into limited batch production with substantial increase in storage capacity and chemical processing, which is energy demanding such as electric mixers, warming tanks and filling/labelling machinery.

By late 2024 the company will be advancing into large batch processing and packing with an increase in staff early 2025 from 2 persons to 4. Everything is fully automated.

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The measures will be in effect when performing the contract

Carbon reduction projects include:

- Implemented Environmental Management system and achieved ISO 14001: 2015 certification. Ongoing internal audits and about to implement external audits to ensure we are still compliant and showing continuous improvement.
- Move to agile working that has resulted in energy reductions due to automation
- Launched fully electric materials handling with new battery forklift and loaders
- Staff encouraged to use video conferencing where possible.
- Launched new WiFi system in manufacturing warehouse now supporting virtual discussions between management and staff avoiding travel to the minimum
- Completed a Sustainability Opportunity assessment that will help us to build and implement our corporate sustainability strategy. This approach includes environmental, social and economic pillars of activity, where carbon reduction is an important element.
- Launched this year our corporate ESG strategy and vision for the business which includes the setup of a new sustainability initiative alongside other companies the family owns.
- Installation of LED Lighting in both offices and production areas. Outside LED security floodlighting and new CCTV system
- Building management systems have been upgraded to reduce energy usage.
- Adoption of recycled packing materials and cartons
- Developed a Carbon Reduction Plan that is due for review in July 2025
- Offset our unavoidable business travel carbon emissions for 2024/25
- Pilot completed for repair/reuse of IT equipment and office machinery within Bauer companies, sharing under utilised resources.
- Initiated ESG supply chain assessment. This incorporates new methodology with suppliers required to answer questions relating to their carbon emissions and carbon reduction plans. The aim is to use this fresh approach to more accurately measure Scope 3 emissions with actual emissions data rather than through spend based data.

<https://naturama-biocide.com/resources/>

Future Plans

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

- Amalgamating all Bauer companies under one set of premises in Lincoln to bring together all commercial activities in to properly designed energy efficient premises
- Interventions to reduce power consumption focused on air conditioning, building fabric, insulation, space heating, ventilation, electricity usage and hot water
- Feasibility study for onsite renewable energy sources through solar panel installation.
- Work with current landlords & premises providers to ensure purchase of 100% renewable energy.
- Further transition to zero emission vehicles by promoting electric-vehicle lease scheme.
- Requiring suppliers to report their carbon footprint data to us to improve the accuracy of carbon measurement and engaging with suppliers to support our net zero goal.
- All suppliers to have produced their own net zero target and plan (by 2030 latest) that align with Bauer company climate change and carbon reduction policies
- Active management and reduction of emissions from staff travel. Measures to include a review and tightening of our cross industry policies, which is already in progress, and working with our in-house logistics to pre-plan vehicle movements to ensure sequential drop-offs per area further reducing carbon miles
- Deliver further reductions in emissions resulting from commuting to work. Encouragement of staff to use low carbon transport methods such as walking, cycling and public transport as well as a scheme to promote use of low or zero emission cars, including provision of EV charging points, being intalled early 2025
- Investigate a new partnership which will help us determine our offsetting approach for 2022/23 and future years – aiming to fully offset emissions.

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.

Implementation

This Carbon Reduction Plan has been reviewed and signed off by the Directors Eran N Bauer and Mrs Linda M H Bauer

Signed on behalf of the Supplier:

BAUER Consultants Ltd



Eran N BAUER MEPS FICPEM FISRM MIPS

Date: 27.08.2024

Please link to - <https://naturama-biocide.com/resources/>



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Bauer Consultants Ltd

United Kingdom Government Officially Approved Company
ID Number: 20200517 - 085935 - 7A8522

