

Carbon Reduction Plan

Supplier name: Viberoptix

Publication date: November 2021

Introduction

Viberoptix accounts for Greenhouse Gas emissions from its operations over which it has control. We will also have control over the reduction efforts we put in place. A breakdown of our Three scopes are as following:

- **Scope 1** emissions include the use of diesel for the Viberoptix vehicle fleet, (**153 vans**)
- **Scope 2** emissions from the electricity purchased by Viberoptix at our three premises
- **Scope 3** emissions generated from activities associated with:
 - **Business travel**
 - **Employee commuting**
 - **Generated Waste**
 - **Upstream transportation and distribution**
 - **Downstream transportation and distribution**

Commitment to achieving Net Zero

Viberoptix 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: 2021	
Additional Details relating to the Baseline Emissions calculations.	
<p>Collecting and reporting carbon emissions started on the 1st January 2021, therefore, we will use 1 January 2021 to 31st December 2021 year as our baseline of reporting.</p> <p>Actual data was used for Q1, Q2 and Q3 and an estimate number provided on Q4 based on the trends of previous quarters.</p> <p>Viberoptix are still growing, so we will adopt a carbon intensity score based on employee numbers and per £M turnover.</p> <ul style="list-style-type: none"> • Number of employees <ul style="list-style-type: none"> ○ 1/01/2021: 116 ○ 1/11/2021: 198 ○ Average: 157 - used for baseline reporting • Turnover figures: <ul style="list-style-type: none"> ○ 01/04/2021 –31/03/2022: £16.8m estimated figure used for baseline reporting 	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1207.5 tCO₂e <ul style="list-style-type: none"> – Q1: 251.99 tCO₂e – Q2: 291.20 tCO₂e – Q3: 320.63 tCO₂e – Q4: 343.71 tCO₂e* *Estimated 7% increase from Q3 based on van fleet increase
Scope 2	12.35 tCO₂e <ul style="list-style-type: none"> – Q1: 4.737 tCO₂e – Q2: 2.278 tCO₂e – Q3: 1.843 tCO₂e – Q4: 3.497 tCO₂e* *Estimated 9% increase in electricity usage due to heating coming into winter

Scope 3	<p>74.51 tCO₂e</p> <p><u>Sources:</u></p> <ul style="list-style-type: none"> • Flights 1.496 tCO₂e • Ferry Trips 1.655 tCO₂e • Commute 53.46 tCO₂e • Waste management (office & site) 0.33tCO₂e • Upstream 0.46 tCO₂e • Downstream 0* tCO₂e <p>*Currently Our “product” does not generate DOWNSTREAM emissions relevant for this category.</p>
Total Emissions	Total tonnes of CO ₂ e: 1277.251 tCO₂e

Current Emissions Reporting

Reporting Year: Q1, Q2, Q3 2021	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	863.82 tCO₂e <ul style="list-style-type: none"> – Q1: 251.99 tCO₂e – Q2: 291.20 tCO₂e – Q3: 320.63 tCO₂e
Scope 2	8.84 tCO₂e <ul style="list-style-type: none"> – Q1: 4.737 tCO₂e – Q2: 2.278 tCO₂e – Q3: 1.843 tCO₂e
Scope 3	74.51 tCO₂e <p><u>Sources:</u></p> <ul style="list-style-type: none"> • Flights 1.496 tCO₂e • Ferry Trips 1.655 tCO₂e • Commute 53.46 tCO₂e • Waste management (office & site) 0.33tCO₂e • Upstream 0.46 tCO₂e • Downstream 0* tCO₂e <p>*Currently Our “product” does not generate DOWNSTREAM emissions relevant for this category.</p>
Total Emissions	Total tonnes of CO ₂ e: 930.061 tCO₂e

Scope 1 Emissions

Fuel Consumption

Diesel receipts are used to report on the actual litres consumed by our 153-vehicle fleet.

- 137 large vans (VW Crafter or equivalent) 37.7mpg
- 16 small vans (Citroen Berlingo or equivalent) 52.2mpg

Refrigerant Gasses

N/A. From January 2022 onwards Viberoptix will be moving to new premises which has air conditioning in it. These gas emissions will be recorded in the future.

Scope 2 Emissions

Electricity use

Viberoptix gather information on the electricity use in our leased offices using billed energy consumption.

Scope 3 Emissions

Business travel

Booking details of air and sea travel are recorded and reviewed.

Mileage claim expense forms which contain information on miles driven by employees using own vehicles for **business** purposes are used to calculate the litres of fuel consumed. Currently, we assume that 50% of such vehicles are petrol and 50% are diesel. More accurate details will be available to us in the future once we complete a survey.

Waste generated operation

This includes emissions from the disposal of waste from Viberoptix stores, build site and offices by a licenced third-party waste company.

Employee commute

This includes all forms of transport between employees' home and their place of work. Current data is estimated based on employee numbers, average working week and average commute distance. As 2021 will be our baseline year, we disregarded the possible reduction in commute associated with COVID-19 pandemic restrictions. Employee commute and employee teleworking is something that will be further investigated, and reporting will be updated accordingly.

To calculate the employee commute, we assumed that the average commute is approximately 30km one way. The average vehicle emissions from new passenger cars reach 122.3grams of CO₂ per kilometre (depending on fuel-efficiency and other factors) *. If 20 people drive 60km to work and back each day, that's over 200kg of carbon dioxide emissions in one day. Viberoptix estimates that on average our employees come into the office 5x per week over 48-week working year.

*source: European Environment Agency

Upstream transportation and distribution

procurement of tools, equipment & PPE from England. Calculations of tCO₂e as per relevant GHG Protocol calculator.

Downstream transportation and distribution

Viberoptix are installing a new full fibre network across Northern Ireland and GB. Currently Our “product” does not generate emissions relevant for this category.

Emissions reduction targets

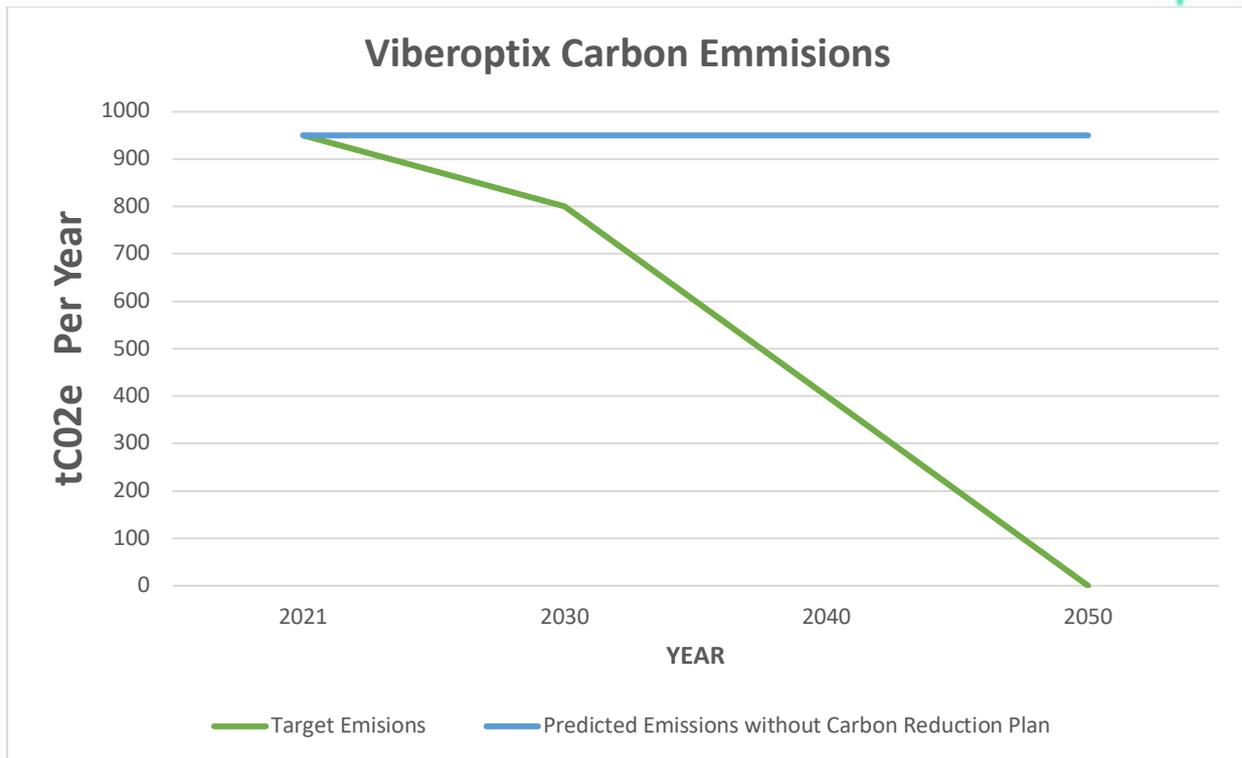
We project that carbon emissions will decrease over the next five years due to:

- 50% of our small diesel vans being replaced with electric vans
- Modern office facilities with LED lighting with timers/motion sensors/air conditioning
- Staff working from home where possible
- Training and general awareness of Carbon Reduction throughout the company

Our aim is to curb carbon intensity by around 50% by 2035

Looking forward, we have set a target of achieving net zero carbon emissions by 2050.

Progress against these targets can be seen in the graph below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

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

ISO14001

Viberoptix have put wheels in motion to become ISO 14001:2015 accredited and aim to gain the certification in 2022.

Vehicle Fleet

Viberoptix are making our drivers safer and more efficient through use of telematics data. This system can track inefficient activities such as over-revving, heavy acceleration, harsh braking, sharp cornering, and engine idling. Our Drivers can review and monitor their individual performance scores which results in reductions in CO2 emissions and increase in MPG.

Hybrid Working Model

Viberoptix employees who can work from home, are able to do so which significantly reduces the emissions associated with commuting. We also promote the use of video calls as much as possible to decrease the emissions associated with business air travel.

Energy Efficiency

When Viberoptix build a network, we minimise disruption, by utilising existing infrastructure most of the time. Infrastructure sharing helps reduce carbon emissions by minimising diesel combustion from mobile plant and equipment used for construction activities.

Viberoptix are providing access to a more environmentally friendly network – (100% fibre broadband network) more energy efficient and less carbon polluting, than traditional copper networks.

Waste Management

Viberoptix monitor our impact on resource consumption (i.e. waste) and we ensure as much waste is reused / recycled as possible. A specific site waste management plan is carried out for each project identifying what waste will be generated. We utilise waste recovery options whenever possible.

In our efforts to drive a paperless system we have developed a Viberoptix HSEQ App which is available on smart devices. All daily check sheets, permits, risk assessments, site audits etc. are completed on the tablet.

Planned Carbon Reduction Initiatives

Electric Fleet

Viberoptix main carbon impact is through Diesel vehicles, our plan is to replace our current fleet to a fully electric one by end of 2040. See breakdown below:

- 2024: 25% of **small van** fleet replaced with electric
- 2026: 50% of **small van** fleet replaced with electric
- 2028: 75% of **small van** fleet replaced with electric
- 2030: 100% of **small van** fleet replaced with electric

- 2030-2040: All **large diesel vanes** to be phased out at a rate of 20% per year. This has been delayed to 2030 as Large electric vans currently have a low travel range, this will be reviewed yearly to monitor technological advancements.

Hybrid Working Model

Viberoptix will continue to promote “working from home” post pandemic, with attendance at the office required where working from home is not an option further reducing carbon emissions and promoting more sustainable living. Viberoptix will also investigate low carbon choices and investigate mechanisms to ensure staff can reduce their emissions.

Energy Efficiency

We are committed to running our business in the most energy efficient way possible. Our new premises that we are moving to in 2022 has LED fittings, dimmer switches and lighting timers providing a cost and energy savings. We will also be looking at the possibility of installing solar panels at our training facility to run heating.

Supply Chain

Viberoptix will aim to ensure that our supply chains are aware of our goals and the key role they play in achieving them. We will also investigate alternative sources for procurement to ensure a low carbon supply chain.

Viberoptix will aim to ensure that our new suppliers meet our requirements on climate and environmental management among other standards. We also aim to track compliance through regular supplier assessments.

Upstream transportation and distribution

Viberoptix are committed to reducing upstream emissions to decrease our carbon footprint. The primary focus will be sourcing Tools, equipment, and PPE locally.

Downstream transportation and distribution We aim to start recording our upstream emissions to decrease our carbon footprint. The primary focus will be to:

1. Maintain high standard of workmanship to reduce corrective maintenance and follow up works
2. Install high quality equipment that will have longer lifespan to reduce corrective maintenance and follow up works

Waste Management

We will continue to raise awareness among our employees about the importance of sustainable waste management practices. We also aim to ensure that all waste associated with our network build is minimised and follows the principles of circular economy.

Other activities:

- Roll out behavioural change and awareness to support low carbon modes of transport and reduce business travel.
- Continue to promote/drive energy efficiency in our current office in NI and new office in GB
- Continual improvement of our carbon Reduction processes

Further information regarding our Environmental commitment and focus can be found on our website.

Declaration and Sign Off

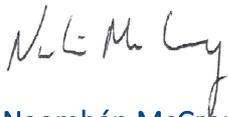
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard 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 Viberoptix Managing Director

Signature:

A handwritten signature in black ink, appearing to read 'Naomhán McCrory'.

Naomhán McCrory
Managing Director
18-11-2021