UNFCCC RACE TO ZERO – PLEDGE & PLAN

RACE TO ZERO PLEDGE

Declaration of Participation – Community Member Company

Our company recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.

As a signatory member of the Network Net Zero Community, we commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC i.e., to achieve Net Zero no later than 2050 and target a 50% reduction in emissions by 2030.
2. To set realistic short and long term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business regularly and for our performance to be part of the Community's annual reporting back to the UNFCCC.

We acknowledge that our commitment will be reported on the Network Net Zero website.

Optix Solutions Ltd made its pledge to the Race to Zero via the Network Net Zero Community on 8th November. The record of the pledge can be found at https://www.futurenetzero.com/un-race-to-zero/.

	Year	Potential Year (if ahead of target)
Pledge to be Net Zero	**2050**	
50% Emissions Reduction	**2030**	

KEY HIGHLIGHTS OF OUR NET ZERO STRATEGY

Short Term Targets within the next 12 months

- **Renewable Energy Procurement – procurement of a 100 % renewable electricity tariff.**
- **Green Gas Procurement – explore Green Gas procurement at the next contract renewal.**
- **Create a staff survey on employee commuting in order to collect data for scope 3.**
- **Install energy efficient measures such as LED lighting (when current ones are underperforming).**
- **Begin the data collection process for water within operation.**
- **Begin the data collection for waste within the operation.**

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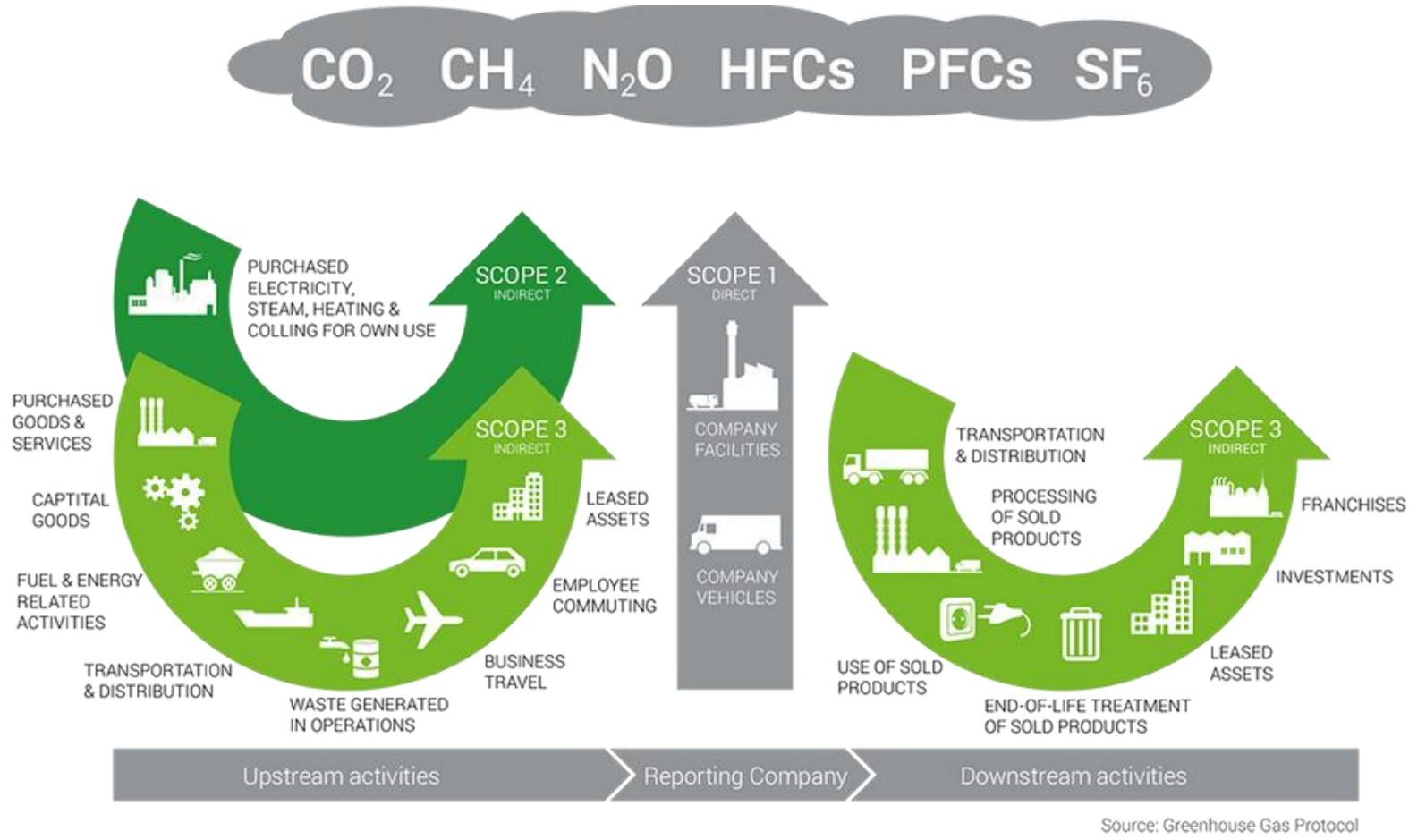
future Net Zero®
STANDARD

GHG PROTOCOL



Source: Greenhouse Gas Protocol

CARBON NEUTRALITY: *Zero emissions within company owned operation (scope 1 & 2)*

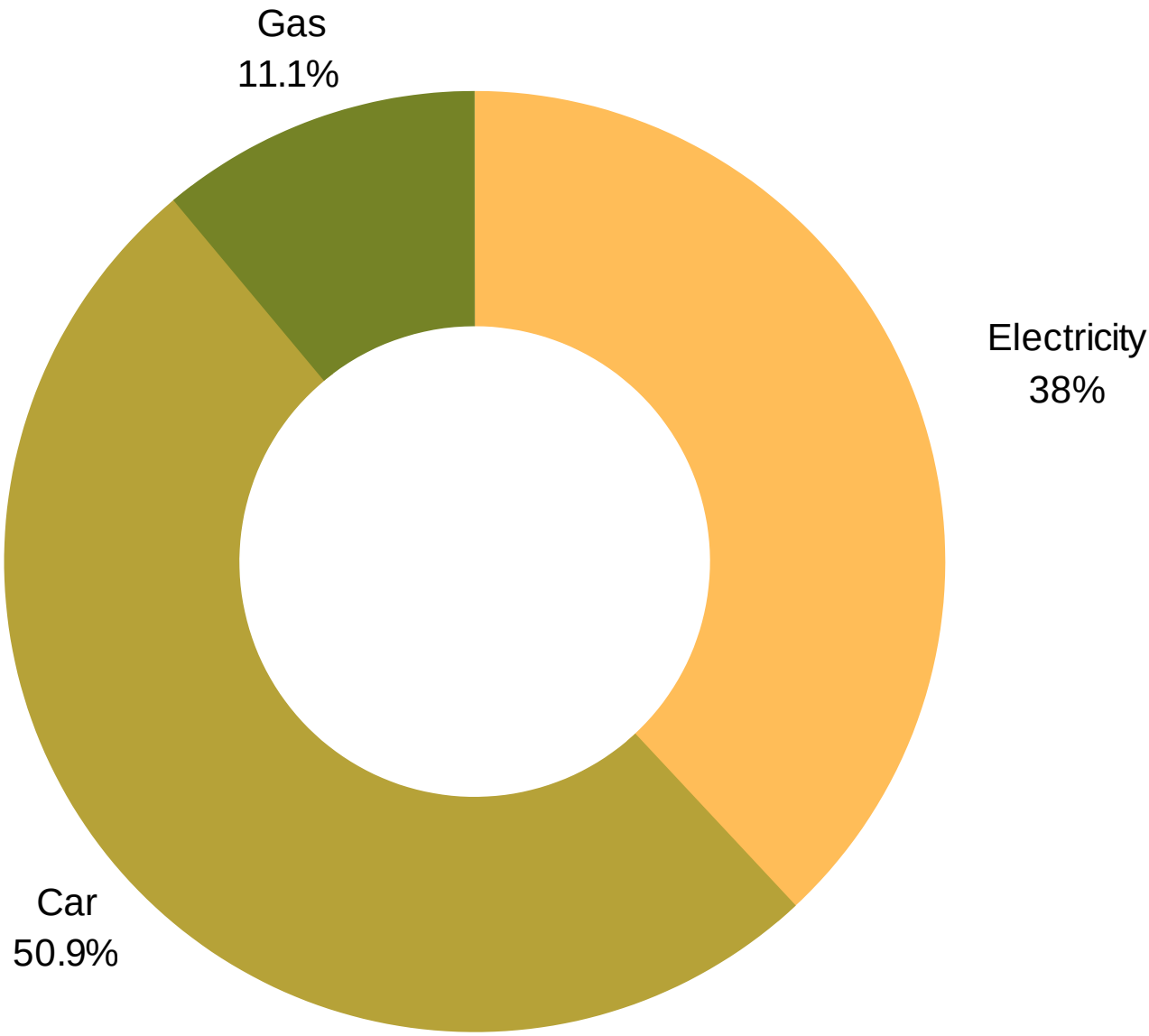
NET ZERO: *Zero emissions across entire operation direct and in-direct activities (scope 1,2 & 3)*

SWMAS

RACE TO ZERO Partner

future Net Zero® STANDARD

CARBON FOOTPRINT AUGUST 2021 - JULY 2022



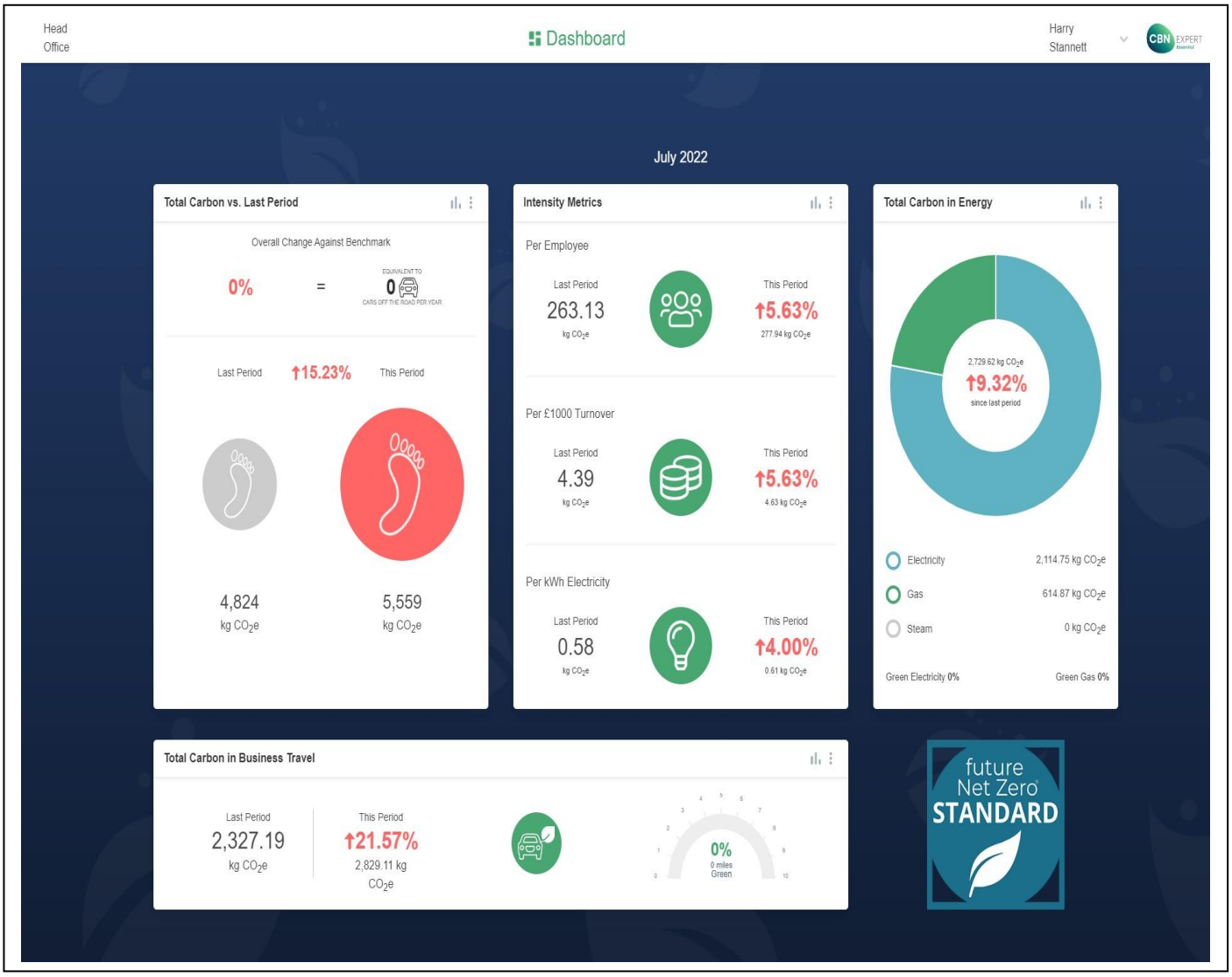
Carbon Footprint: 5,559kg

SWMAS

RACE TO ZERO Partner

FUTURE NET ZERO STANDARD – ACCREDITATION REPORT- (August 2021 – July 2022)

CARBON FOOTPRINT ASSESSMENT



Carbon Footprint Progression

	Benchmark	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
CO_2e	5,559kg							
% Change								

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HISTORIC EMISSION REDUCTION PROGRESS DURING THE REPORTING PERIOD

Emissions reduction activity is summarised below:

Energy	*Consumption - kWhs*					*Green Consumption - kWhs*				
	Benchmark	**Previous**	**%**	**Current**	**%**	**Benchmark**	**Previous**	**%**	**Current**	**%**
Electricity	**2,114.75kg**									
Gas	**614.87kg**									
Total	**2,729.62kg**									

Commentary

The company's electricity consumption was very small at 9,150 kWh for the benchmark period. They were supplied by OPUS on a standard tariff. As a result, the emissions are high against the small consumption. We would recommend the company look to procure a 100 % renewable tariff from a supplier that is backed by its own assets.

By procuring a 100 % renewable tariff the company could secure a carbon saving of 1942.82 kg.

Should the company choose to switch to a renewable electricity tariff, there would still be some emissions which relate to transmission and distribution losses. This is where electricity is loss between the grid and the meter supply point. One way to reduce T&D losses is by reducing the amount of electricity consumed from the grid. Due to the small consumption, this would be difficult, however a key element in reducing consumption in a service based company will be the organisations staff.
People are critical to the journey to Net Zero as it is their behaviours that can help reduce consumption. Small measures such as making sure staff turn lights off in rooms that are not used and making sure equipment such as computers is turned off correctly at the end of each day make a big difference.
The installation of LED lighting will help reduce consumption, however continued maintenance of the existing lighting and replacing when they are not working as efficiently as once before will also improve efficiency.

Longer term, the organisation could explore installing renewable solutions such as Solar PV. This will have the biggest effect on reducing energy consumption. Due to the company's consumption profile of being less than 10,000 kWh, only a small system would be required to make a significant reduction.
Carbon savings would be dependent on size of system installed.

The company also has a mains gas supply which was supplied by OPUS on a standard tariff. The consumption was 3,165 kWh for the benchmark period. This type of gas consumption is fairly normal for a company of this size. As the company has been supplied on a standard tariff, emissions are extremely high against consumption. We would recommend the company look to potentially procure a 100 % green gas contract at their next contract renewal. Green gas can be difficult to procure due to low availability and also comes at a premium of over 1pkWh added onto current gas contract rates.
By procuring a 100 % green gas contract the company could save 614.21 kg.

Business Travel	*Travel - Miles*					*Green Travel - Miles*				
	Benchmark	**Previous**	**%**	**Current**	**%**	**Benchmark**	**Previous**	**%**	**Current**	**%**
Car	**2,829.11kg**									
Total	**2,829.11kg**									

Commentary

The company's total mileage was 9926 for the benchmark period and was performed solely by cars. The mileage was unaffected by the covid lockdowns. The mileage is low as it comprises of travelling to events or client meetings.

As the company does not perform a huge number of miles, any short-term carbon savings are difficult to find, however the company could look at reducing the number of miles they perform and only use the vehicle when absolutely necessary.
In the long term we would recommend that the vehicle is switched to an electric one as this will reduce emissions by a total of 2446.46 kg.

If equipment is needed when visiting clients or events we would also recommend the utilisation of public transport. Buses and Trains have a much lower carbon intensity than car travel and therefore the company could see considerable savings.

Both range and feasibility must be met in order for this to work and with the introduction of an electric vehicle the company will see an increase in energy consumption as a company owned electric vehicle will require on site charging.

CARBON EFFICIENCY ASSESSMENT

Intensity Metrics	*Benchmark*	*Previous*	*% Change*	*Current*	*% Change*
	Kg CO_2e/unit	Kg CO_2e/unit		Kg CO_2/unit	
Per Employee 	277.94kg				
Per £1,000 Turnover 	4.63kg				
Per kWh Electricity 	0.61kg				

Commentary

Established 20 years ago the business has been at the very start of the .com bubble and grown to become one of the leading design agencies in the South West.

Working with a range of prestigious local and international brands they provide high quality service to delight their customers.
Sustainability is an important aspect of the business - The Optix sustainability program is a project aimed at supporting the local bee and wildlife population by creating an apiary and wild flower meadow.

The long term goal is to promote and encourage other businesses in the local area to think about how they can have a positive ecological impact in this beautiful part of the southwest.
The business is keen to understand their own footprint and use the journey to help motivate and encourage others to do theirs and they need help to understand the process and calculations.

TO: £1.2m
FTE: 20

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Action Plan (including short term targets) to reduce carbon footprint and achieve net zero

Below is an action plan which highlights next steps for Optix Solutions Ltd on its Net Zero journey.

Short Term Targets within the next 12 months

- **Renewable Energy Procurement – procurement of a 100 % renewable electricity tariff.**
- **Green Gas Procurement – explore Green Gas procurement at next contract renewal.**
- **Create a staff survey on employee commuting in order to collect data for scope 3.**
- **Installation of energy efficient measures such as LED lighting (when current ones are underperforming).**
- **Begin the data collection process of water within operation.**
- **Begin the data collection for waste within the operation.**

Medium Term Targets within the next 36 months

- **Create employee incentives for green travel and zero carbon miles e.g., walk to workdays.**
- **Engage further with the supply chain regarding scope 3 emissions and look to source alternative suppliers which are carbon neutral where possible.**

Long Term Targets by 2050 at latest

- **Use high quality and verified offsetting schemes or carbon removal technologies to eradicate residual emissions. Look to source from South-West UK schemes backed by the Woodland Carbon Code.**
- **Explore the potential of investment in renewable technologies, such as Solar PV and Battery Storage.**

Carbon Savings	
Renewable Electricity Procurement	1942.82 kg
Green Gas Procurement	614.21 kg.
Switch to EV	2446.46 kg.

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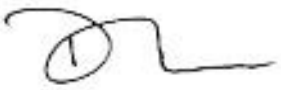
Assessor's comments

An excellent report with achievable targets within the timescales described.

Optix have a unique set of challenges going forward but and have already taken some significant action on the journey. They should be very proud of the steps taken so far.



Assessor Signature:

Assessor Name: David Roberts
Date: 14th December 2022

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Standard and methodology used

Optix Solutions Ltd categorises its Greenhouse Gas (GHG) Emissions as Scope 1,2 or 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent (CO_2e) for all scopes are calculated using the conversion factors listed in BEIS Greenhouse Gas Conversion Factors for the relevant 12-month period over which the Carbon Footprint is calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

Data Quality / Confidence

The data used to generate this report has been collected from various sources and converted to CO_2e using the CBN Expert Dashboard. This dashboard has been Certified under the future Net Zero Standard to ensure that it is a true and fair reflection of the both the units of consumption and the resultant GHG emissions of the reporting firm.

***Scope 3 Emissions**

Optix Solutions Ltd is committed to measure and act to reduce its emissions in all 3 categories. This report reflects the amount of Scope 3 emissions that it has been technically feasible and cost effective to measure and take action against. **Optix Solutions Ltd** remains committed to work with its entire supply chain to ensure as much of its Scope 3 emissions are able to be accurately measured and to develop actions that target long term reductions in this emissions category.

**** Offsets**

As part of the commitment of **Optix Solutions Ltd** to target reductions in its GHG emissions and, ultimately, attain Net Zero the company will review and report all offsetting that it enters into. All offsetting options will be considered and reported included, formally certificated schemes (e.g., Gold Standard) as well as more informal schemes. Where offsetting is done against informal schemes, details of the calculation logic will be reported.

Offset schemes (if appropriate)

Scheme name	Details including weblink

Signed on behalf of **Optix Solutions Ltd**

Name: Rob Stevens
Position: Managing Director
Date: 19 Dec 2022

Signed on behalf of SWMAS

Name: Harry Stannett
Position: Programme Support
Date: 19 Dec 2022

The data in this report has been produced using the CBN Expert dashboard and the figures have been certified under the future Net Zero Standard. The certification and licence number for the period for this report is shown here.

Signed for future Net Zero **Date: 16/12/2022**

Name: Sumit Bose

Position: Founder

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