

Date	27/03/2023
Company	NS Optimum Ltd
Reporting year	01.01.2022 – 31.12.2022
Industry sector	IT

NS Optimum Ltd

Self-Assessed Carbon Footprint Report

Congratulations you have completed the first step on your journey to net zero.

The purpose of this report is to:

- Summarise your key carbon metrics.
- Create a base reporting year benchmark.
- Help you identify areas of the business that contribute high levels of emissions and areas to target for emission reduction strategies.
- Help you set a realistic carbon reduction target.
- Provide you with a set of figures to communicate to your stakeholders with confidence.

Total carbon footprint

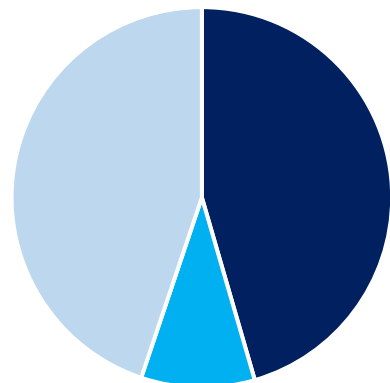
150.17tCO₂e

Carbon intensity metrics

Year	Total footprint kgCO ₂ e	kgCO ₂ /employee	kgCO ₂ /£ turnover	kgCO ₂ /f ² surface area
2022	150,176.1797	3,850.67	0.00189702	33.7020

Scope 1, 2 and 3 breakdown

Emission category	Total tCO ₂ e
Scope 1	68.34
Scope 2	14.50
Company scope 3	67.32

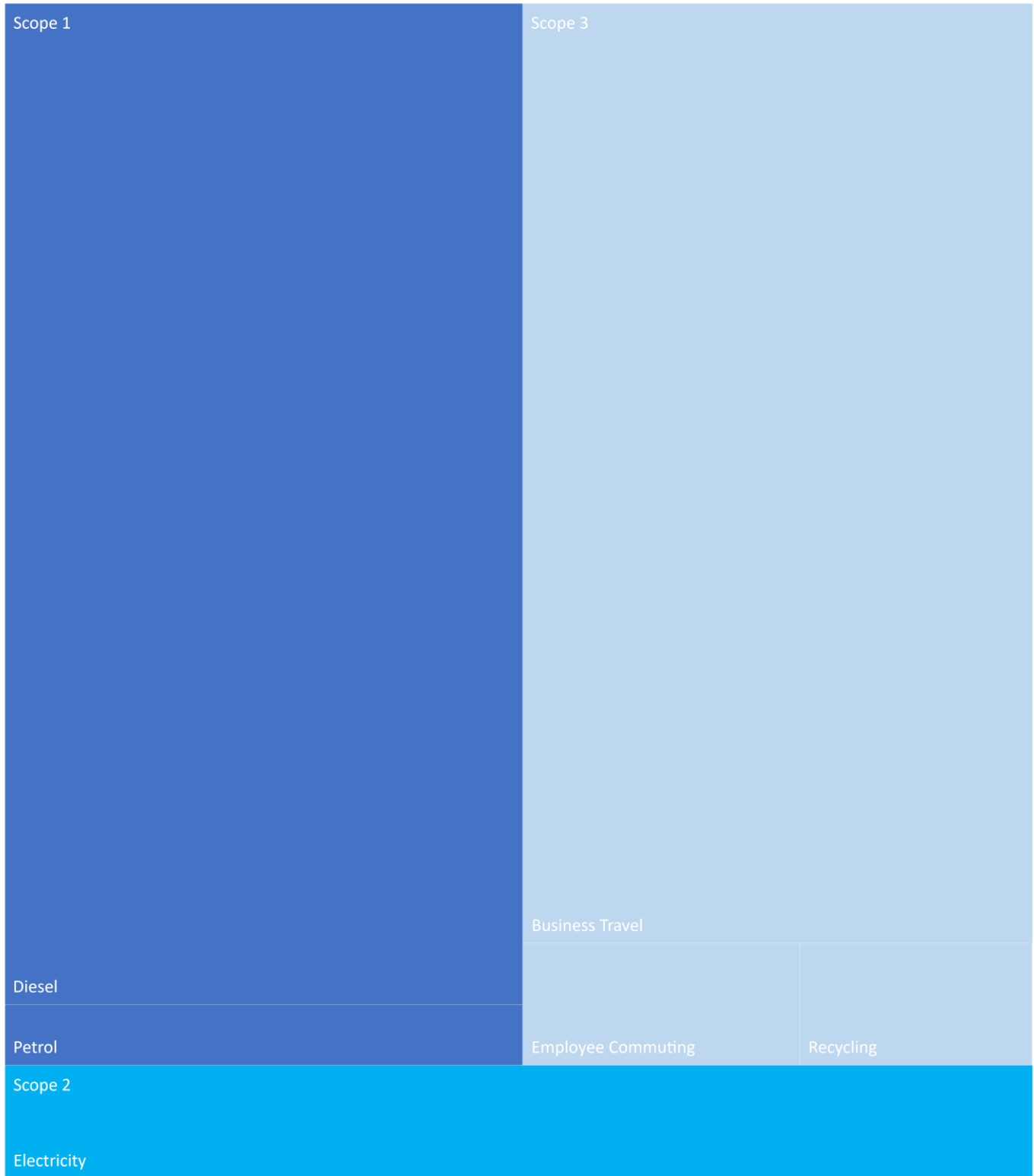


■ Scope 1 ■ Scope 2 ■ Scope 3

Category specific breakdown

Emission source	Scope 1 (tCO ₂ e)	Scope 2 (tCO ₂ e)	Company Scope 3 (tCO ₂ e)
Fuels			
Natural Gas			
Heating Oil			
Coal			
LPG			
Petrol	3.89		
Diesel	64.45		
Wood			
Electricity			
UK grid electricity		14.50	
Water			
Water supply			0.00447
Water treatment			0.00402
Waste			
Recycling			3.51
General			
Compostable			
Employee commuting			
Car (combined)			2.94
Van (combined)			1.26
Train (combined)			
Bus (combined)			
Business travel			
Train			0.950
Car (combined)			58.64
Employee work from home emissions			
Heating			
Electricity			

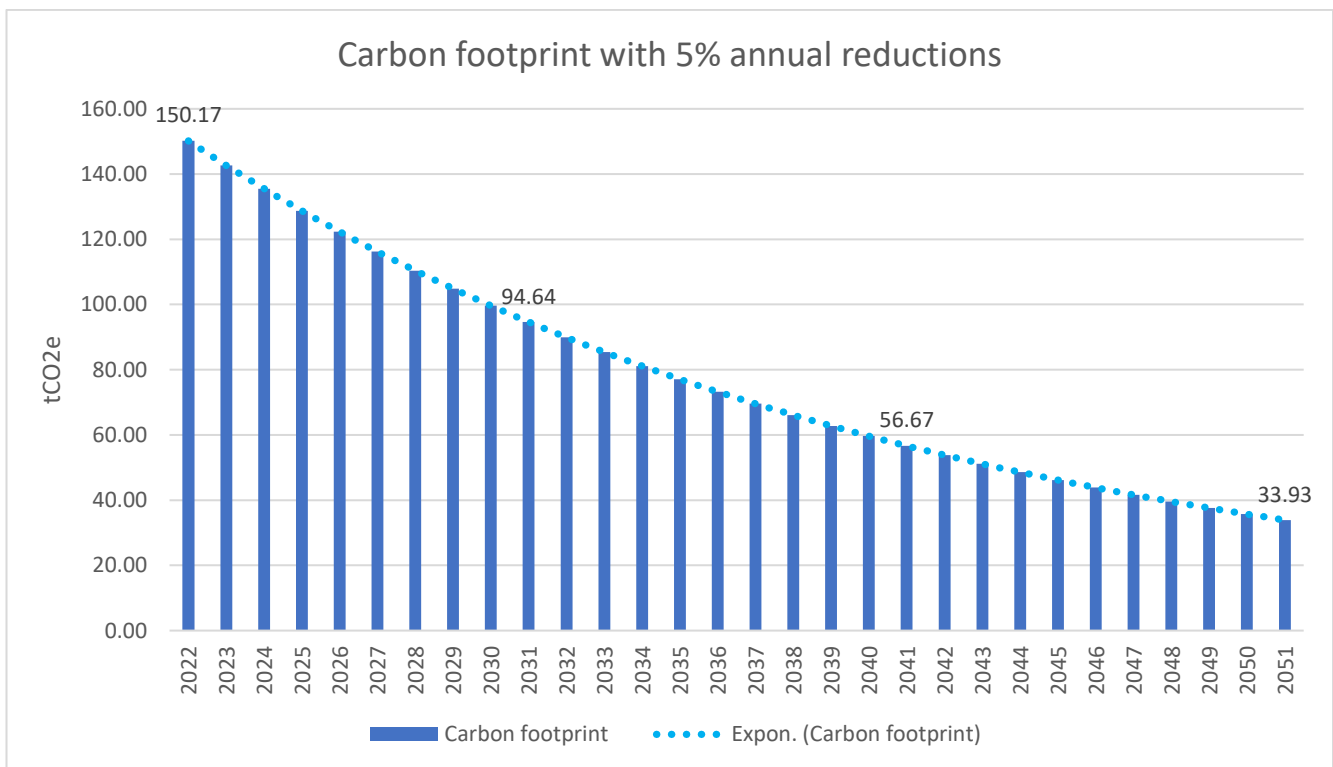
Treemap of emission categories – 150.17tCO₂e



■ Scope 1 ■ Scope 2 ■ Scope 3

Emissions reduction pathway

In accordance with BSI PAS2060 guidance for reporting carbon neutrality, businesses should look to reduce their annual emissions by 5% year-on-year. The below graph shows your suggested emissions reduction pathway based on this baseline footprint. Note, reductions do not need to be displayed based on absolute carbon footprint but relative to business growth metrics such as, turnover, head count and floorspace.



Checkpoints

2022 – 150.17tCO₂e

2030 – 94.64tCO₂e

2040 – 56.67tCO₂e

2050 – 33.93tCO₂e



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Carbon Offset Overview

Offsets purchased for operational carbon neutral certification.

Volume (tCO ₂ e)	Percentage of footprint
165	110%

Project breakdown

Project	Volume (tCO ₂ e)
Larimar Wind Farm Project, Dominican Republic	165

Operational carbon neutral certified

Reporting period	Renewal date
2022	January 2024

Trees planted (not accounted for carbon neutrality).

Project	Number of trees
Green the UK	112

