



**Sentinel Group  
Security**

**Carbon Reduction  
Plan**

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# Carbon Reduction Plan

## SENTINEL GROUP SECURITY

**Signature:**   
**Name:** Graeme Brown  
**Date:** 20<sup>th</sup> October 2023

### VERSION RECORD

Ver.	Date:	Description:	Dept:	Approved by:	Review Date:
V1.0	20/10/23	Carbon Reduction	Compliance	Graeme Brown	20/10/2023

ISO Ref:	14001
BS7499 Ref:	-

### Executive Summary

This carbon reduction plan outlines the steps that Sentinel Group Security (SGS) will take to reduce its greenhouse gas emissions and achieve net zero by 2050. The plan is based on a comprehensive assessment of the company's current carbon footprint, which identified the following key areas for reduction:

- Scope 1 emissions — Fuel & Transportation
- Scope 2 emissions — Energy consumption, Waste Management & Water
- Scope 3 emissions — Indirect, identified as supply chain and frontline deployment (local personal travel)

The plan includes a number of specific targets and initiatives for reducing emissions in each of these areas. SGS plans to:

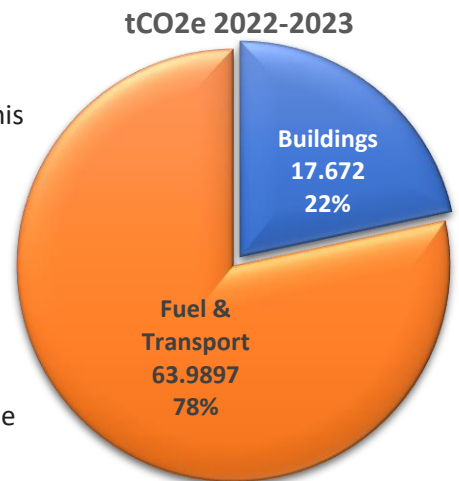
- Reduce energy consumption in its buildings by 20% by 2025 by implementing energy efficiency measures such as LED lighting and insulation.
- Switch to a 100% renewable electricity supply by 2025.
- Electrify its vehicle fleet by 2030.
- Reduce waste to landfill by 50% by 2025.

SGS continues to work with its suppliers to reduce their greenhouse gas emissions. The plan will be reviewed and updated on an annual basis to ensure that the company is on track to achieve its net zero target.

### Carbon Footprint

The company's carbon footprint for the year 2022 was 81.66 tCO<sub>2</sub>e. This includes emissions from the following sources:

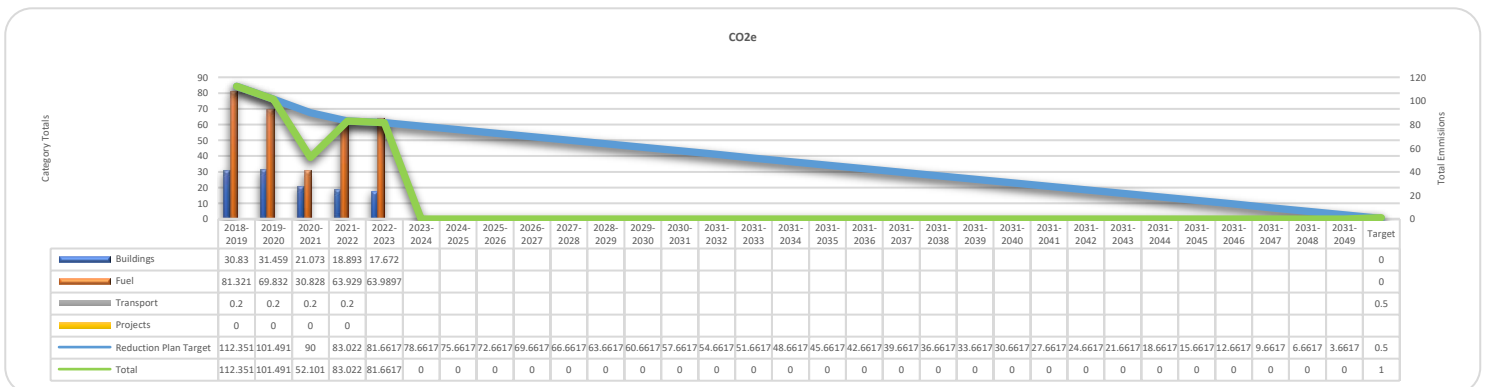
- Energy consumption: 17.6 tCO<sub>2</sub>e
- Transportation: 63.9 tCO<sub>2</sub>e
- Waste management: 625Kg
- Water: 144.0 Lt



### Targets

The company has set the following targets for reducing its greenhouse gas emissions:

- 20% reduction in energy consumption by 2025
- 50% reduction in waste to landfill by 2025
- 40% reduction in transportation emissions by 2030
- Net zero emissions by 2050



### Initiatives

The company will implement the following initiatives to achieve its carbon reduction targets:

- Energy consumption:
  - Install LED lighting in all buildings.
  - Insulate all buildings to improve energy efficiency.
  - Install smart thermostats to control heating and cooling more efficiently.
  - Switch to renewable energy sources, such as solar panels and wind turbines.
- Transportation:
  - Electrify the company's vehicle fleet.
  - Encourage employees to use public transportation, carpool, or walk/bike to work.
  - Optimize delivery routes to reduce fuel consumption.
- Waste management:
  - Reduce waste generation by implementing recycling and composting programs.
  - Send less waste to landfill by incinerating or converting waste to energy.

### Reporting and Review

SGS will report on its progress towards its carbon reduction targets on an annual basis. The report will include information on the company's emissions, the impact of its reduction initiatives, and any challenges that the company is facing. The company will also review its carbon reduction plan on an annual basis to ensure that it is aligned with its overall business strategy and that it is on track to achieve its net zero target.

In addition to the above SGS are committed to the following;

- Switch to renewable energy sources, such as solar panels or wind turbines.
- Improve the energy efficiency of the building by installing insulation, LED lighting, and smart thermostats.
- Educate employees about the importance of carbon reduction and encourage them to participate in the company's initiatives.
- Invest in new technologies and processes that can help to reduce the company's environmental impact.
- Work with suppliers to reduce their greenhouse gas emissions. Switching to renewable energy sources, such as solar and wind power.
- Encouraging security guards and employees to use public transport, cycle, or walk to work.
- Choosing sustainable suppliers for vehicles and other goods and services.
- Use video conferencing and other online collaboration tools to reduce the need for travel.
- Offset the carbon footprint of the business by supporting projects that reduce greenhouse gas emissions.
- Get certified through a carbon management program, such as the Carbon Trust Standard.

SGS are committed and confident in our ability to lead the way in creating a more sustainable future. Our plan is constantly evolving to ensure a realistic and honest appraisal of our existing footprint and the steps we are taking to meet our carbon zero objective.