

Carbon footprint report

Britplas Commercial

Benchmark Year 1

January – December 2022



Commit



Measure



Reduce



Engage





Step one.

Commitment





Our Climate Commitment – UNFCC Race to Zero & NHS Carbon Footprint Plus

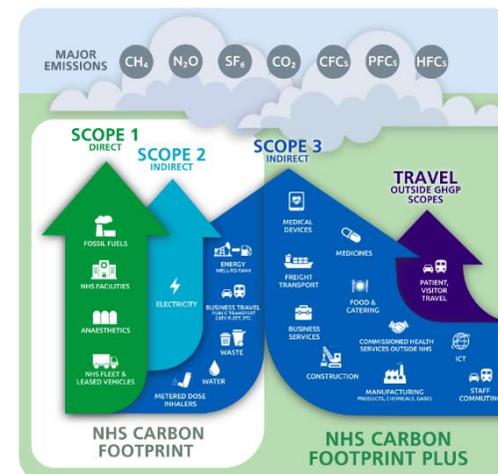
Our company recognises that climate change poses a threat to the economy, nature and society-at-large, our company commits to act immediately in a full and lasting commitment by;

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 aligned to the NHS Carbon Footprint Plus, we will reach net zero (Scopes 1&2) by 2035, with an ambition to reach an 80% reduction by 2028 to 2032; & For the emissions we can influence (Scope 3), we will reach net zero by 2045, with an ambition to reach an 80% reduction by 2036 to 2039.
3. To maintain and report the total GHG emissions of our business regularly

In doing so, we are proud to be recognised by the United Nations Race to Zero campaign, and join governments, businesses, cities, regions, and universities around the world that share the same mission.

We acknowledge that our commitment will be reported on the SME Climate Hub website. Britplas Commercial made our pledge to the Race to Zero in 2024

	Year
Pledge to be Net-Zero	2045
50% Emissions Reduction	2030





Company Overview

Britplas Commercial is a Private Limited Company, company number 03071310, registered in England & Wales with a registered address of Unit 18 Kingsland Grange, Woolston, Warrington, WA1 4RW.

Industry – Glazing & Other building completion and finishing

No of staff – 54 averaged over the reporting year including Directors

No of Offices: – 1

Accreditations – ISO 14001/9001/45001, Construction Line, FIRAS

Britplas Commercial is a leading UK contractor specialising in commercial glazing with a product portfolio that includes windows, curtain walling, door systems and security fencing.

Operating across the UK and internationally, we work with main contractors, architects and clients to design, install and manufacture glazing systems, including award-winning specialist proprietary products and standard systems.

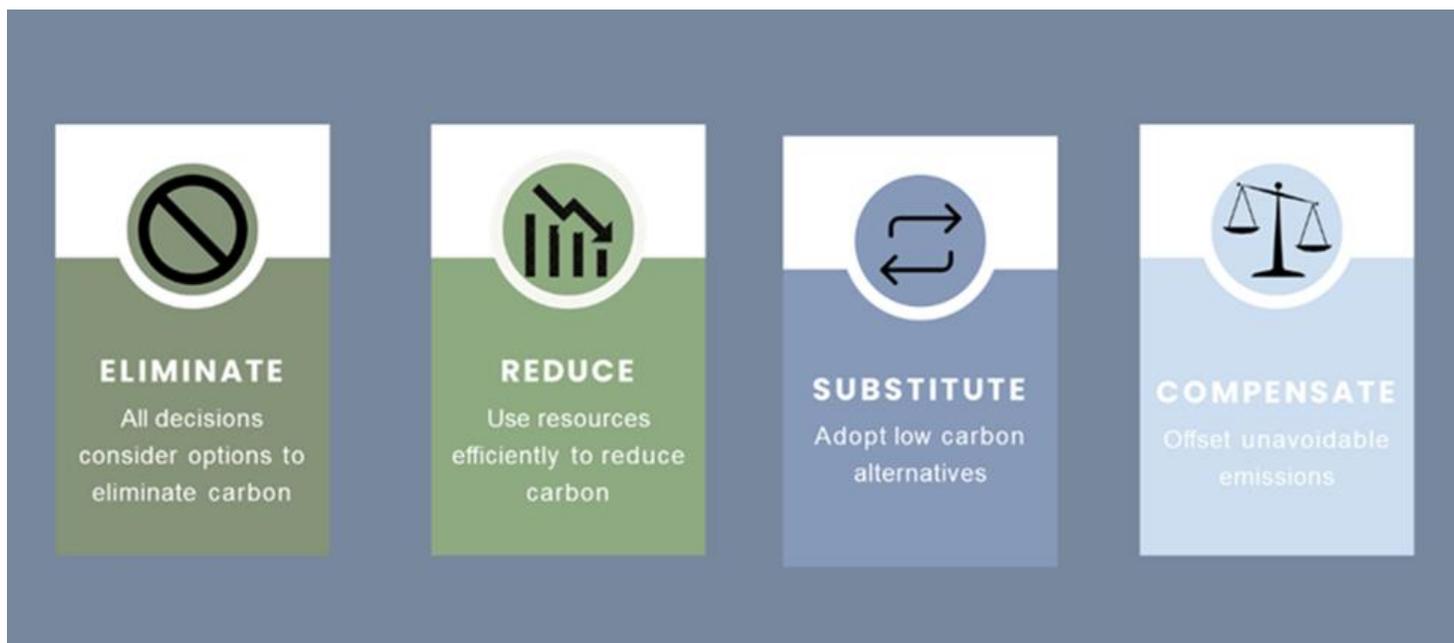
Britplas recognises that both business and environmental sustainability will play a key role within our business foundations and values and has developed the following net-zero strategy.





Net-Zero Strategy

In determining our carbon reduction plan, we follow the Greenhouse Gas (GHG) Management Hierarchy set out by the Institute of Environmental Management and Assessment (IEMA). Britplas is committed to prioritising the elimination, substitution, and reduction of carbon in advance of any offsetting commitments.



Completed Carbon Reduction Initiatives

Britplas Commercial have implemented the following measures to date to drive our net-zero strategy;

- Installed and Environmental Management System to ISO 14001 standard
- Working with external sustainability consultant to track, measure and reduce our carbon footprint
- Added 3 charge stations at the office for charging staff cars
- Engaged with a digital system (Deltek) that will heavily reduce the amount of paper produced in the business and on our sites
- Changed to 100% renewable energy in the Office & Factory



Step two.

Measure





Total carbon emissions
2,329.3 tonnes Co2e

Intensity Metrics

Per Employee



This Period
43.47
Tonnes CO₂e

Per £1000 Turnover



This Period
0.17
Tonne CO₂e

Per m2 Office Space



This Period
1.27
Tonne CO₂e

Reporting Year: January –December 2022 (benchmark year)

Britplas emitted 2,329.3 tCO₂e (tonnes of carbon dioxide equivalent) across scope 1, 2 and some 3 and reported using the operational control methodology, this is the equivalent to 1,775.15 long haul flights (London to New York)

This can be presented as an intensity indicator of 43.47 tCO₂e per total full-time equivalent employee (FTE) or 1.27 tCo₂e per m² office space.



Energy & Fuels

0.22% Total  

 Electricity (Market)

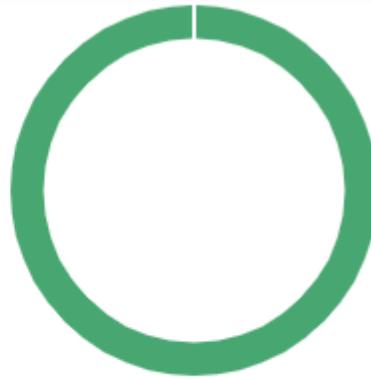
0 tonnes CO₂e

 Gas

2.9 tonnes CO₂e

 Other

0 tonnes CO₂e



Green Electricity 100%

Non Grid Electricity 0%

Transmission & Distribution

Green Gas 0%

PV Wind Bio Other Non-Grid

0% 0% 0% 0% 0%

2.3 tonnes CO₂e

Britplas Commercial operates from one office in Northwest England.

Electricity and gas emission were calculated using invoice data and meter reads.

Britplas are on a 100% renewable energy tariff, the location-based emissions equivalent is 25.2 tCO₂e.

We have included homeworking emissions using the BEIS emissions factors and total homeworking hours from, the business extrapolated over the year from an employee survey.



Business Travel

4.97% Total  



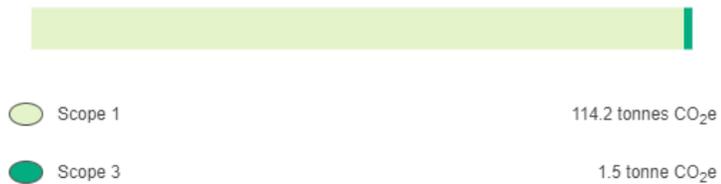
Green Road Miles
0

0%
Total Road Miles



 Cars - ICE	48.1 tonnes CO ₂ e
 Cars - Green	0 tonnes CO ₂ e
 Vans/Trucks	67.6 tonnes CO ₂ e
 Other	0 tonnes CO ₂ e

Total Business Travel by Scope



Britplas business travel is > 4% of recorded emissions for this reporting period and essential to deliver services to clients.

Mileage was recorded from our internal finance systems using monthly business mileage usage for cars.

Other travel such as trains and planes, data has been calculated using a combination of our travel booking system reports and estimations and calculations based on expense records



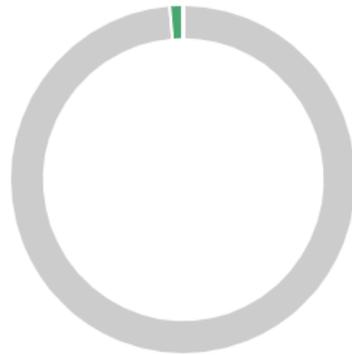
Employee Commuting

3.2% Total  



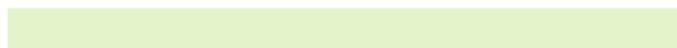
Green Road Miles
12,288

4.26%
Total Road Miles



	Cars - ICE	74.4 tonnes CO ₂ e
	Cars - Green	0.9 tonne CO ₂ e
	Bus	0 tonnes CO ₂ e
	Rail	0.1 tonne CO ₂ e
	Other	0 tonnes CO ₂ e

Zero Carbon Miles 0.27%



	Walking	0.8 tonne CO ₂ e
	Cycling	0 tonnes CO ₂ e

As a manufacturing and service business working from our offices is essential to both make products and develop the culture of our business.

Britplas Commercial commuting accounts for >3% of recorded emission.

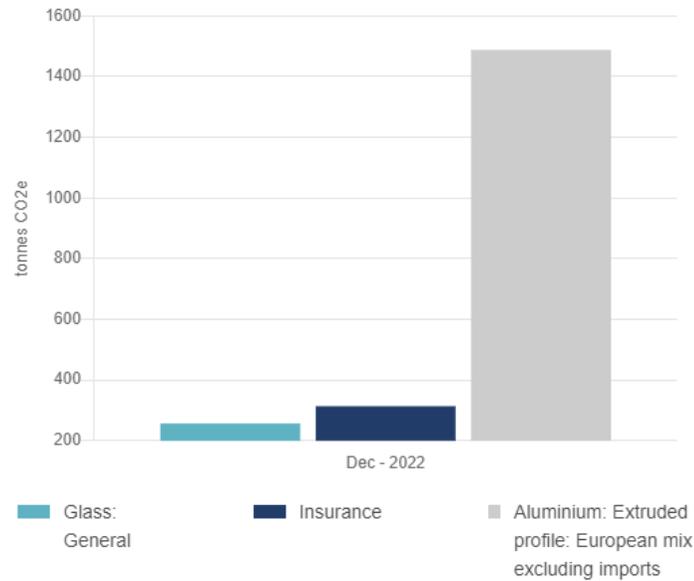


Figure1: Britplas high emitting Scope 3 categories

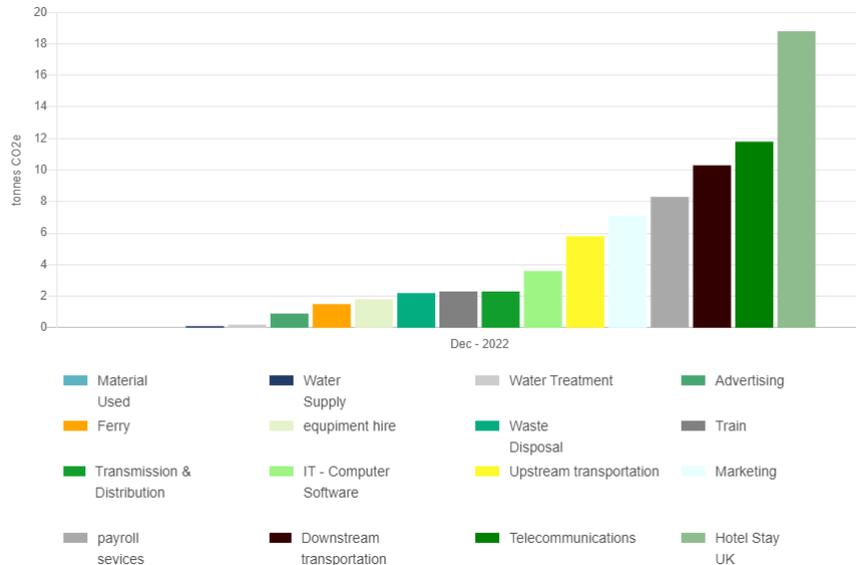
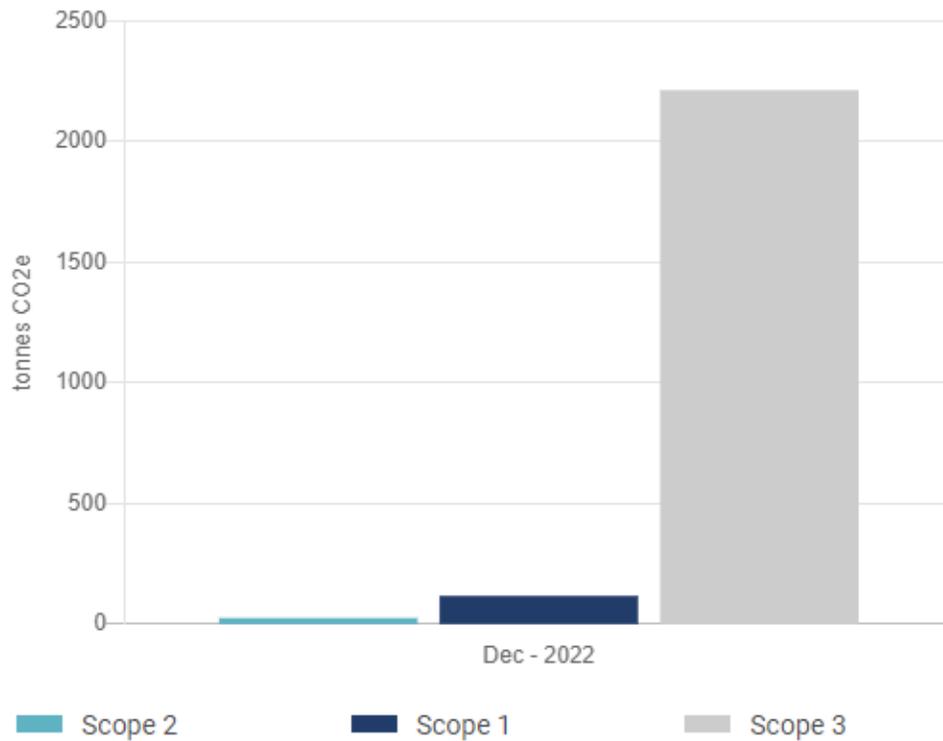


Figure1: Britplas low emitting Scope 3 categories

As this is our benchmark year, we are developing internal systems to record more scope 3 areas and a supplier charter.

Scope 3 categories included in this report are;

- 1 – Purchased Goods & Services (partial)
- 4 – Upstream transportation & distribution
- 5 – Waste Generated in Operations
- 6 – Business Travel
- 7 – Employee Commuting
- 9 – Downstream transportation & distribution



Over 90% of recorded emissions related to our purchased goods and services, this is reflected in the breakdown of emission by Scope with 93% in Scope 3.

We are aware we have work to do in building out our recorded emissions, with particular focus on Scope 3 and are developing internal process and supplier relations to actively engage in the recording of our supplier's carbon data.



Scope	Category	Quality	
Scope 1	Gas Usage		
Scope 2	Electricity Usage		
Scope 3	Water		
	Food Costs		
	Web hosting, portals		
	Purchased Goods and Services	Insurance	
		Glass	
		Aluminium profile	
	Advertising		
	Accounting		
	Waste Generated in Operations	General Waste	
		Mixed recycling	
		Paper	
	Business Travel	Road	
Employee commuting			

-  Data inputted in optimal format
-  Spend data utilised
-  Data estimated based on assumptions

This report has been created using the Environmental Reporting Guidelines, including Streamline Energy & Carbon Reporting guidance. The report uses the operational control approach to establishing the boundary. The methodology adopted in line with the Greenhouse Gas Protocol and the BEIS Environmental Reporting Guidelines. The calculations were completed using the UK Government emissions factors and the CBN Expert software including environmental input output factors.



Step three.

Reduce





- In order to align with 1.5 degrees global warming, Britplas needs to reduce its total GHG emissions by 50% for 2030.
- The target years show Britplas GHG emissions targets in the years 2030, split by scope. If Britplas hits these targets, the company will be aligned with 1.5 degrees global warming.
- Near term Scope 3 emission targets are to engage with 100% of suppliers and understand their carbon emission by 2030.
- Long term Scope 1&2 targets are to reduce to 0 emissions and 100% renewable electricity.
- Long term target is to achieve net-zero by 2045.
- As an SME, it is not compulsory for Britplas to set a Scope 3 science-based target. However, it is strongly recommended that targets are set regardless, and increased reporting of Scope 3 emission categories is a priority next step.

Scope	Base Year 2022	Near term target 2030	% reduction (from base year)	Net-Zero 2045
1	117.16	11.72	90	0.00
2	0.00	0.00	90	0.00
3	2212.14	1327.28	40	221.21
Total	2329.3	132.82		21.29

Table 2: Britplas's science-based targets and the required % reductions

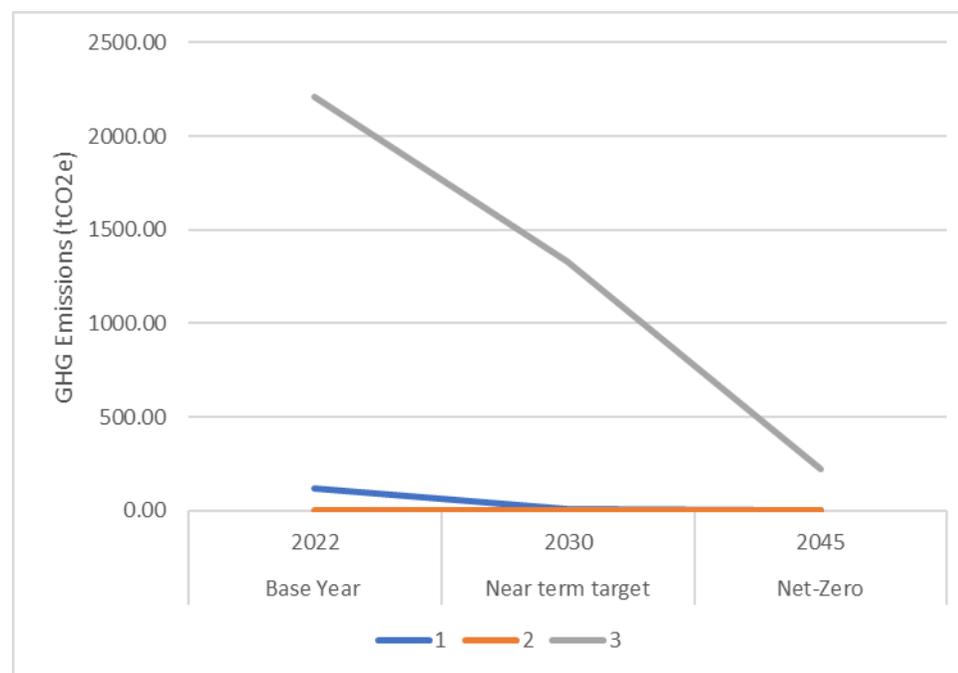


Figure 2: Britplas's science-based targets, split by scope.



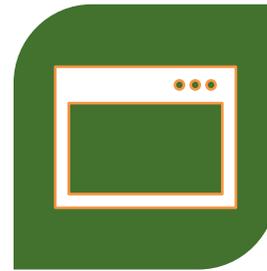
The following carbon hotspots have been identified from Britplas's carbon footprint.



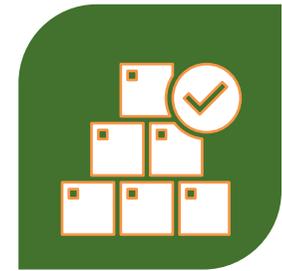
ELECTRICITY & GAS
USAGE



BUSINESS TRAVEL -
FLEET



GLASS & PROFILE



PURCHASED
GOODS &
SERVICES



Action Plan & Targets: (in order of impact)

Scope 3 - Supply Chain

We are committed to improving the quality and quantity of our Greenhouse Gas inventory and increasing engagement with our clients and supply chain to extend and improve the recorded scope 3 categories.

Britplas are committed to continuous data collection increasing the categories covered, with continuous learning and are implementing processes to record and understand more over future reporting periods.

Britplas will launch its Supply chain engagement program in 2024 working to support suppliers understand and calculate their own emissions for deeper understanding and collaboration, alongside assessing the materials we use to find more sustainable alternatives.

Business Travel

Other business travel is made up of trains, planes and hotels that are used to provide services to clients. Our future travel will consider the sustainable travel hierarchy to ensure we are lowering the impact whilst continuing to deliver services.

Utilities

Britplas will actively encourage a wider understanding of water and energy efficiency across the business, reducing office consumption and associated emissions whilst also supporting our homeworking staff use less and will set a target of reducing our usage

Britplas will undertake an energy audit and consider its findings.

Commuting

Britplas will continue to understand our people's commuting patterns and data and implement measures to reduce our environmental impact such as – bike to work and car share schemes – possibly EV salary sacrifice scheme

To support, monitor and manage our ambition we continue employ the services of a sustainability consultant and track our carbon footprint.



Step four.

Engage





Stakeholder engagement

Sustainability is in our DNA, we are passionate and committed to understanding more about our impact on the environment and communities.

We commit to actively talk about our journey to our staff, supply chain and clients and through social media and marketing to support further the workforce of a net-zero economy

Collectively we can make a difference.

Environmental training

Carbon Literacy is “An awareness of the carbon costs and impacts of everyday activities and the ability and motivation to reduce emissions, on an individual, community and organisational basis.”

Carbon Literate citizens understand how climate change will affect them – both geographically and sectorally – and have acquired the knowledge and skills to lower their carbon footprint, with typical realised carbon savings of 5-15% per person.

Britplas is committed to carbon literacy training for our staff to support our ambition and encourage collective action in and out of the workplace.



Glossary



Term	Definition
Carbon dioxide equivalent (Co ² e)	Carbon dioxide equivalent (CO ₂ e) is the unit of measurement which allows different greenhouse gases to be compared on a like for like basis relative to one unit of CO ₂ .
Intensity indicator	Intensity indicators compare emissions data with an appropriate business metric or financial indicator, such as staff numbers, to allow comparison over time or with other organisations
Organisational boundaries	In setting organizational boundaries, a company selects an approach for consolidating GHG emissions and then consistently applies the selected approach to define those businesses and operations that constitute the company for the purpose of accounting and reporting GHG emissions.
<u>Greenhouse</u> Gas Protocol	GHG Protocol supplies the world's most widely used greenhouse gas accounting standards
UK Government emissions factors	These emission conversion factors are for use by UK and international organisations to report on and are updated annually, greenhouse gas emissions. From: Department for Business, Energy & Industrial Strategy
Scope 1	Direct emissions that result from activities within your organisation's control. This might include on-site fuel combustion, manufacturing and process emissions, refrigerant losses and company vehicles.
Scope 2	Indirect emissions from any electricity, heat or steam you purchase and use. Although you're not directly in control of the emissions, by using the energy you are indirectly responsible for the release of CO ₂ .
Scope 3	Includes all other indirect emissions that occur in a company value chain, eg purchased goods, travel and waste disposal
Carbon footprint	A carbon footprint is the total greenhouse gas (GHG) emissions caused directly and indirectly by an individual, organisation, event or product, and is expressed as a carbon dioxide equivalent (CO ₂ e)
Benchmark year	The initial reporting year to be used to set reduction targets against
Operational control	After a company has determined its organizational boundaries in terms of the operations that it owns or controls, it then sets its operational boundaries. This involves identifying emissions associated with its operations



Thank you.

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