BRG TECHNOLOGIES

Carbon Report

Year Ending 31st March 2025

IDENTIFICATION

Document:	Carbon Footprint Report
Reference:	BRG GHG Emissions: Year Ending 31st March 2025

DOCUMENT OWNER

It is the responsibility of the company secretary to compile this report every year.

PUBLICATION DATE

Revision	Date	Author
-	24/10/2025	R Scott

DOCUMENT REVIEW/SIGN OFF

Reviewed by	Position	Signature
Rob Scott	Finance Director	Robert Scott

DOCUMENT CONTROL

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Carbon Report

Scope 3
Introduction 4
Carbon Reduction Plan 4
Uncertainty Assessment 5
Control Procedures and Uncertainty Results . . 6
Significance Criteria 7
Significance Criteria Matrix 8
Inclusions 9
Exclusions 10
Results 11
Declaration and Sign-off 12

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Carbon Report

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1

Scope

Reporting organisation and organisational boundaries:
BladeRoom ("BRG") - together with ModuleCo Ltd ("MCo"), are the only UK trading companies within BRG Technologies. BRG and MCo contain the only UK based operations accounted for in this report. The principal activity of the group is the design and manufacture of mission-critical, modular data centres, healthcare and pharmaceutical facilities.

Reporting period:
April 1st 2024 to March 31st 2025

Reporting boundaries:
This report has been created in accordance with ISO14064-1:2018 (and the definitions therein) and will include all Scope 1 and Scope 2 Greenhouse Gas (GHG) emissions, as required by Streamlined Energy and Carbon Reporting (SECR) as well as all significant, feasible and realistic Scope 3 GHG emissions. We have used the UK Government's SECR reporting guidelines and ISO14064-1:2018 as the basis for this report and the criteria for determining relevant CO2 emissions.

Waste has been included for collections during the reporting period by 3rd party contractors.

Base year:
The FY21 reporting period was our base year. We used the DEFRA figures from the UK Government's Green House Gas Reporting SECR Conversion Tables: "Conversion factors 2020: full set (for advanced users)" (found here: https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2020) as our GWP and emission factors.

Base year review procedure:
Should any one of the following changes in circumstance occur, BRG Technologies will review/re-calculate its base year carbon footprint:

- Structural change in the reporting or organisational boundaries
- A change in calculation methodologies or emission factors
- The discovery of an error or a number of cumulative errors that are collectively substantial.

The review will decide the action(s) required to recalculate the base year to make it representative at the time of review.

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2

Introduction

The purpose of this report is to determine the Carbon Footprint and to set out the Carbon Reduction Plans of the BRG Technologies group of companies.

The intended users of this report are primarily internal stakeholders, including senior management and directors. Indirectly, the report will be used as supporting evidence in sales and marketing activities. The report will be made publically available on the BRG Technologies website.

The overall tCO_2e over our reporting period will be used to better understand our environmental impact.

The BRG Technologies group of companies doesn't currently have any GHG sinks or GHG removal procedures. The BRG Technologies group of companies continues to assess options to invest in GHG sinks/removal procedures, which will then be captured in future reports.

Carbon Reduction Plan

BRG Technologies has the following targets and plan for reducing our carbon footprint:

- Divert 95% of factory waste from landfill
- Remain a signatory of the Climate Pledge
- Be Net Zero by 2040
- To create scientific-based target measures for emission sources, still into short, medium and long-term goals.

NB: After four years of data capture and reporting, we have a far better understanding of our emission sources and are in a position to better assess the SMART targets required to achieve our overall 2040 Net Zero goal. As a result, we have updated our above targets from previous years to better suit this objective and to provide a stronger and more achievable guide which we can accurately report against. These changes centre around considering intensity factors and focusing on the scope items which can be most tangibly impacted. BRG Technologies will continue to monitor and assess its annual targets against scientific objectives as technologies improve and direct carbon reduction activities are implemented.

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3

Uncertainty Assessment

The uncertainty of the results, relating to our various GHG emission sources, will be categorised into three levels; Low, Medium and High. We define these levels as below:

Uncertainty Level	Description
Low	Any primary source of data which provides a definitive result. For example; energy meter readings from invoices.
Medium	Any data which requires a degree of estimation but which is based on primary source data. For example; waste from our factory.
High	Any data which is based solely on our best estimation and has limited reliable data to back it up.

The uncertainty level has been set to provide the reader/interpreter with an understanding of the data collected and its accuracy; in turn allowing them to make decisions and actions proportionate to the data acquired. This might mean changing the control process for collecting the data in future, to increase accuracy and reduce the uncertainty, or change company policy to reduce/improve carbon footprint in a measurable way.

The Company's approach is to mitigate uncertainty, where possible, from data collection. There are control processes in place for collecting all the SECR relevant data, most of which comes from invoicing and primary data collection. New methods have been introduced for Scope 3 items, with a full list being displayed in the table on page 6.

The low uncertainty data is considered to have little to no impact on the results and their interpretation. The medium uncertainty items are considered to have limited impact on the results. Although the data may not be exact, decisions made based on this data should provide measurable results that are materially accurate. The high uncertainty items should be considered as reliable indications; decisions made based on this data will only see indicative results and it would be very difficult to measure these impacts accurately.

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4

Control Procedures and Uncertainty Results

Emission Source	Control Procedure/Method of Data Capture	Uncertainty
Water, Gas and Electricity	We receive monthly invoices for water, gas and electricity used within its in scope facilities. These invoices contain the recorded meter readings which are compared with the UK Government's SECR conversion tables to calculate the CO2 emitted.	**Low**
Factory/Site Fuel and LPG	Any fuel used within the factory or site is purchased either in bulk or via fuel cards. The invoices for which provide the usage and quantity data which allows BRG Technologies to calculate the CO2 emissions using the UK Government SECR conversion tables.	**Low**
Mileage	Staff must submit and claim for their mileage through expenses forms. These forms contain a built in mileage calculator powered by Bing Maps which calculates the route and distance. These claims are then approved by line managers to ensure that all claims are business related. This mileage figure was then used in conjunction with the UK Government's SECR conversion tables to calculate the CO2 emission data.	**Low**
Fuel Cards	At the end of each month BRG Technologies is invoiced for the use of the fuel cards, these invoices contain the fuel used data which is used in conjunction with the UK Governments SECR conversion tables to provide the CO2 emission data.	**Low**
Airline Travel	Any business airline travel is booked by internal BRG Technologies Administrators. The booking data is used in conjunction with UK Government's SECR conversion tables to calculate the CO2 emission data.	**Low**
Hotel Stays	Any business hotel stays are booked by internal BRG Technologies Administrators. The booking data is used in conjunction with UK Government's SECR conversion tables to calculate the CO2 emission data.	**Low**
Freighting Goods	We analyse our transport and freighting partners invoices against the known mileage between our manufacturing centre and our live project sites. This analysis is then used in conjunction with the UK Governments SECR conversion tables to calculate the CO2 emission data.	**Medium**
Waste - Site	Our site waste is collected and a report which breaks down all of our waste into categories (Construction/Demolition, Plasterboard, Paper and Cardboard and mixed metals) is provided. The data from this report is then used to calculate the Carbon output from the UK Government's SECR conversion tables.	**Medium**
Waste - Factory	Our factory waste is collected and a report which breaks down all of our waste into categories is provided. The data from this report is then used to calculate the Carbon output from the UK Government's SECR conversion tables.	**Medium**

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5

Significance Criteria

This year BRG Technologies was required to provide a SECR report which covers all Scope 1 and Scope 2 emissions as well as company mileage (Scope 3). BRG Technologies has therefore included all those emission sources as part of this report. Each of the other emission sources, within scope, were tested against the above criteria. If any of the data doesn't meet one of the criteria, it was weighed up against the other considerations to decide whether it is suitable for inclusion in this report.

The criteria for determining the significance of GHG emission sources is defined by one of the below categories:

Ref No.	Criteria	Considerations
1	**Relevance**	Does the data apply to the intended user? We included the data if it is relevant to the intended user.
2	**Completeness**	Is there enough data to draw a reasonable conclusion/result? We included the data if we have the complete set of data.
3	**Consistency**	Is the method used to collect the data repeatable and is the data collected obtainable in future? We have included the data if the method is consistent and we can obtain the data the same way in future.
4	**Accuracy**	Is there enough accurate data to reach a clear conclusion? We have included the data if it is accurate and hasn't relied on unsubstantiated assumptions.
5	**Transparency**	Does omitting the data hinder the user from making informed decisions with reasonable confidence? We have included the data if the data is clear and informed decisions can be made from it.
6	**Magnitude**	Is the data quantitatively substantial? Emission sources which meet several of the significance criteria will be calculated and we have then included the data if the $kgCO_2e$ is substantial (>500$kgCO_2e$ in a year).
7	**Level of Influence**	How much control does BRG Technologies have over the emission source? We have included the data if BRG Technologies has control over the emission source and can act to change it.
8	**Risk/Opportunity**	Does the emission source or data highlight a risk to the business? We have included the data if it poses a risk or opportunity for BRG Technologies.
9	**Sector-specific Guidance**	Does the sector BRG Technologies work in deem a particular emission source significant or require the collection of specific data? We have included the data if there is guidance suggesting we need to collect it.
10	**Outsourcing**	Is the emission source from activities which have been outsourced to a third party? Any outsourced emissions have been excluded.
11	**Legal Requirement**	Are we required to collect data to satisfy a statutory requirement? We have included any data which BRG Technologies are required to collect/report on.

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6

Significance Criteria Matrix

The below matrix highlights which emission sources met which significance criteria:

Emission Source\Ref No.	1	2	3	4	5	6	7	8	9	10	11
Water	✔	✔	✔	✔	✔	✔	✔				✔
Gas	✔	✔	✔	✔	✔	✔	✔				✔
Electricity	✔	✔	✔	✔	✔	✔	✔				✔
Factory/Site Fuel	✔	✔	✔	✔	✔	✔	✔				✔
Factory LPG	✔	✔	✔	✔	✔	✔	✔				✔
Mileage	✔	✔	✔	✔	✔	✔	✔				✔
Fuel Cards	✔	✔	✔	✔	✔	✔	✔				✔
Freighting Goods	✔	✔	✔		✔	✔	✔				
Sea and Air Travel	✔	✔	✔	✔			✔				
Hotel Stays	✔	✔	✔	✔			✔				
Recycling	✔	✔	✔	✔	✔		✔				
Landfill	✔	✔	✔	✔	✔		✔				
Incinerated	✔	✔	✔	✔	✔		✔				
BRG Diesel	✔	✔	✔	✔	✔		✔				
Waste	✔		✔		✔	✔	✔		✔		
Bioenergy											
Refrigerants	✔										
Delivery Vehicles											
Electricity for EVs											
Water Treatment											
Material Use	✔		✔	✔			✔				
Home Working									✔		

Key:

✔ - Has met the criteria,

- Included in the report,

- Excluded from the report

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7

Inclusions

The following GHG emission sources have been included in our calculations:

Emission Source	Description
Water	Water usage based on our meter readings from our factory and head office (in 2024 report).
Gas	Gas usage based on meter readings from our factory and head office (in 2024 report).
Electricity	Electricity usage based on meter readings from our factory head office (in 2024 report).
Factory/Site Fuel	Any non-LPG fuel consumed within our factory facility.
Factory LPG	Any LPG used within our factory.
Mileage	Any approved mileage claimed by BRG Technologies employees (calculated against average vehicle and unknown fuel).
Fuel cards	Fuel purchased using our business fuel cards.
Freighting Goods	The distance travelled transporting our facilities and any major deliveries to our site locations.
Waste	Waste disposed of as per our waste reports.
Sea and Air Travel	Any business travel which was completed by air or sea by BRG employees to complete company business.
Hotel Stays	Any BRG employee stays in hotels or apartments which were required to complete company business.

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8

Exclusions

This report excludes the carbon footprints of our supply chain as well as our clients and their end users. Any energy and other consumables supplied by others is also excluded from this report. The above list is not comprehensive so anything not specifically mentioned in the inclusions is assumed to be excluded from this report, although we don't believe there to be any such items of significance.

The following GHG emission sources have been excluded:

Emission Source	Reason for Exclusion
Bioenergy	The BRG Technologies group of companies does not use bioenergy.
Refrigerants	Any refrigerants used in BRG Technologies products are considered part of the end user's footprint. Refrigerants used in the production of our products is either considered negligible or part of another entity's carbon footprint i.e. serviced head office with air conditioning is deemed part of our landlord's carbon footprint.
Delivery Vehicles	The BRG Technologies group of companies does not own any delivery vehicles.
Electricity for EVs	The BRG Technologies group of companies doesn't own any Electric Vehicles (EVs).
Water Treatment	The BRG Technologies group of companies does not have any water treatment practices
Material Use	Due to the variety and limited quantity of office materials (i.e. stationary, tea and coffee etc.) consumed it is considered infeasible and too costly to calculate the carbon footprint of these items. It is also not considered a significant CO2 emission source.

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9

Results

The headline results are below:

	Emission Source	tCO_2e	tCO_2e
Scope 1	Gas	81.84	**435.63**
	Site Fuel	258.72	
	Factory LPG	30.95	
	Factory Fuel	20.52	
	Fuelcards - Diesel	35.87	
	Fuelcards - Petrol	7.73	
Scope 2	Electricity	62.72	**62.72**
Scope 3	Ferry Travel	-	**434.77**
	Mileage	122.83	
	Deliveries	178.75	
	Hotel Stays	48.59	
	Airline Travel	57.74	
	Annual Waste	21.08	
	T&D - UK Electricity	5.36	
	Water Usage	0.42	
	Total:		**933.12**

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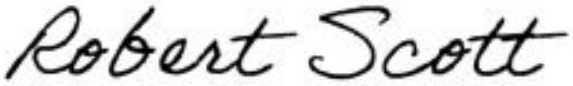
10

Declaration and Sign-off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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 Board of Directors.

Signed By/*Position*	Date	Signature
Rob Scott *Finance Director*	24/10/2025	

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Appendix A

Previous Results

tCO_2e	2021	2022	2023	2024	2025
Gas	61.17	83.35	39.24	71.12	81.84
Site Fuel	69.44	62.40	38.97	177.10	258.72
Factory LPG	32.85	35.18	37.04	44.92	30.95
Factory Fuel	11.34	5.52	15.39	19.31	20.52
Fuelcards - Diesel	21.02	11.47	12.68	14.11	35.87
Fuelcards - Petrol	9.12	10.29	12.32	12.93	7.73
Electricity	117.60	101.80	103.01	73.58	62.72
Mileage	123.56	120.49	95.01	75.07	122.83
T&D - Electricity	10.11	9.01	9.44	8.18	5.36
Items in Scope from 2021 (Baseline)	**TOTAL = 456.21**	**TOTAL = 439.51**	**TOTAL = 363.10**	**TOTAL = 496.32**	**TOTAL = 626.54**
Intensity Factors (tCO_2e per £1m of turnover)	**4.67**	**4.46**	**3.40**	**2.76**	**Intensity Factor = 4.28**
Deliveries		101.66	66.64	150.48	178.75
Annual Waste		182.54	43.91	29.64	21.08
Water Usage		0.25	0.29	0.57	0.42
Items in Scope from 2022		**TOTAL = 723.96**	**TOTAL = 473.94**	**TOTAL = 677.01**	**TOTAL = 826.79**
Intensity Factors (tCO_2e per £1m of turnover)		**7.34**	**4.43**	**3.77**	**Intensity factor = 5.59**
Ferry Travel			225.49	12.93	0
Hotel Stays			58.71	67.31	48.59
Airline Travel			46.20	25.30	57.74
Items in Scope from 2023			**TOTAL = 804.34**	**TOTAL = 782.55**	**TOTAL = 933.12**
Intensity Factors (tCO_2e per £1m of turnover)			**7.52**	**4.35**	**Intensity factor = 6.32**

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