



CARBON REDUCTION PLAN

G3 Systems Limited

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Supplier name: G3 Systems Limited

Publication date: 12/08/2022

Commitment to achieving Net Zero

G3 Systems Limited is committed to achieving Net Zero emissions by 2050 or sooner.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2020

Additional Details relating to the Baseline Emissions calculations.

G3 Systems Ltd baselined 2020 (01/01/2020 – 31/12/2020) for our Scopes 1, 2 and 3 global emissions reduction targets.

Baseline year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	32.80
Scope 2	0.00
Scope 3 (Included Sources)	129.72
Total Emissions	162.52

Current Emissions Reporting

Reporting Year: 2021

(01/01/2021 – 31/12/2021) for our Scopes 1, 2 and 3 global emissions reduction targets.

Current reporting year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	38.21
Scope 2	0.41
Scope 3 (Included Sources)	71.47
Total Emissions	110.08

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Emissions reduction targets

This is our first carbon footprint (Baseline) based upon our 2020 data.

We have started to gather our 2021 data for analysis but have not undertaken any significant reduction during the year's 2020 - 2021, due to the COVID-19 Pandemic impacting our baseline data gathering and subsequent analysis and significant changes to our operations and workforce outside of our control.

2021 data will be available once the assessment has been completed and reviewed by our external advisers. It is envisaged that a reduction in our emissions will have been achieved thereby maintaining our target to reduce where possible and maintain a position on a glide path to achieving a net zero by 2050.

In order to move forward and progress to achieving Net Zero, we submit this document and will publish an update incorporating our carbon reduction targets upon completion of the 2021 data analysis.

Baseline can be seen in the graph below:

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

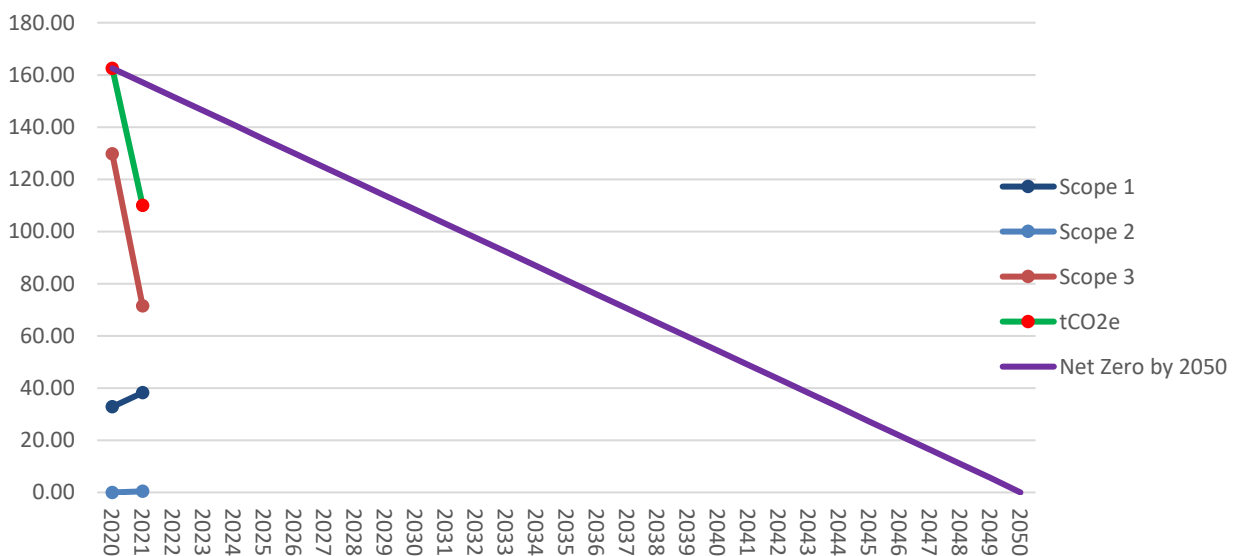
The following environmental management measures and projects have been completed or implemented during the 2020 baseline.

- We undertook a full recertification of our ISO 14001:2015 certification.

In the future we hope to implement further measures such as:

- Review our Site gas usage and seek improvements by reducing consumption and looking to alternate sources of heating like electric or other sustainable alternatives.
- Review our outsourced logistics – air and seek alternate methods like sea freight where possible to reduce the flights and our emissions.
- Refurbish OQ Unit 1 office area with more thermally efficient windows.

Scope 1, 2 & 3 Emissions: Actual vs Net Zero by 2050



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Scope	Activity	2020 (Baseline)		2021 (Current)	
		Location Based tCO ₂ e	Market Based tCO ₂ e	Location Based tCO ₂ e	Market Based tCO ₂ e
Scope 1	Site gas	26.06	26.06	31.40	31.40
	Owned Vans	6.74	6.74	6.81	6.81
Scope 1 Sub Total		32.80	32.80	38.21	38.21
Scope 2	Electricity generation	23.62	0.00	21.97	0.41
Scope 2 Sub Total		23.62	0.00	21.97	0.41
Scope 3	Flights	13.39	13.39	33.96	33.96
	Well To Tank	22.43	18.89	20.25	14.16
	Hire cars	5.79	5.79	6.93	6.93
	Outsourced Logistics - Air	81.89	81.89	6.03	6.03
	Hotel stays	0.00	0.00	2.99	2.99
	Waste	0.00	0.00	2.19	2.19
	Outsourced Logistics - Road	3.24	3.24	2.05	2.05
	Electricity transmission & distribution	2.03	0.00	1.94	0.04
	Taxi travel	0.59	0.59	1.58	1.58
	Outsourced Logistics - Sea	5.88	5.88	1.16	1.16
	Rail travel	0.00	0.00	0.18	0.18
	Water (and wastewater)	0.00	0.00	0.09	0.09
	Home-workers	0.05	0.05	0.05	0.05
	Ferry travel	0.00	0.00	0.04	0.04
Scope 3 Sub Total		135.29	129.72	79.46	71.47
Total tonnes of CO ₂ e		191.72	162.52	139.64	110.08
Tonnes of CO ₂ e per employee		3.20	2.71	2.33	1.83
Tonnes of CO ₂ e per £M turnover		7.62	6.46	12.98	10.23
Total Energy Consumption (kWh)*		298,005	298,005	340,956	340,956

Results of G3 Systems carbon footprint assessment by scope and source activity

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Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

This Carbon Reduction Plan has been reviewed and signed on behalf of the management board.



Michael Puckett

General Manager / Managing Director

Date: 12/08/2022

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>

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The logo for IAP, consisting of the letters 'IAP' in a bold, red, sans-serif font.

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