



Carbon Reduction Plan



August 2024

Carbon Reduction Plan

QTS Group Ltd

Publication date: August 2024

Commitment to achieving Net Zero

QTS Group is passionate about the environment, and we are committed to increasing our sustainability as a business. The effects of climate change are increasingly visible and we are committed to taking measures to offset the impact of our operations. We seek to do this through governance, risk management, innovative working practices and education. Our commitment to wider sustainable development goals, including social value, are also very important to us. There are social benefits to everything we do, and we are committed to supporting our local communities.

QTS Group Ltd is committed to achieving Net Zero emissions by 2040, with an overarching ambition to reach this target early.

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.	
Scope 3 emissions not currently assessed; this is purely an estimate.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	7,521
Scope 2	204
Scope 3 (Included Sources)	135,172
Total Emissions	142,897

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO ₂ e)
Additional Details	Scope 3 emissions were calculated on spend in each sector and may not reflect a complete accurate representation. There is a large change in this value from previous years due to a more in-depth study. This is Scope 3 base year.
Scope 1	7014
Scope 2	137.9
Scope 3 (Included Sources)	100,385
Total Emissions	107,536.9

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Additional Details	Scope 3 emissions were calculated on spend in each sector and may not reflect a complete accurate representation. There is a large change in this value from previous years due to a more in-depth study.
Scope 1	7164.09
Scope 2	176.13
Scope 3 (Included Sources)	104,480.42
Total Emissions	111,820.64

Carbon Offsetting

QTS Group have a woodland area and a peatbog within the grounds of their headquarters, These two Offsets have not been formally verified. Based on Research it is estimated the trees absorb 900 tCO₂e per Annum, and the Peatbog stores an additional 22.5 tCO₂e per annum. These are not accounted for in emissions.

Emissions Reduction Targets

QTS Group have committed to the Science based targets initiative (SBTi). Under the initiative we have made the following commitments.

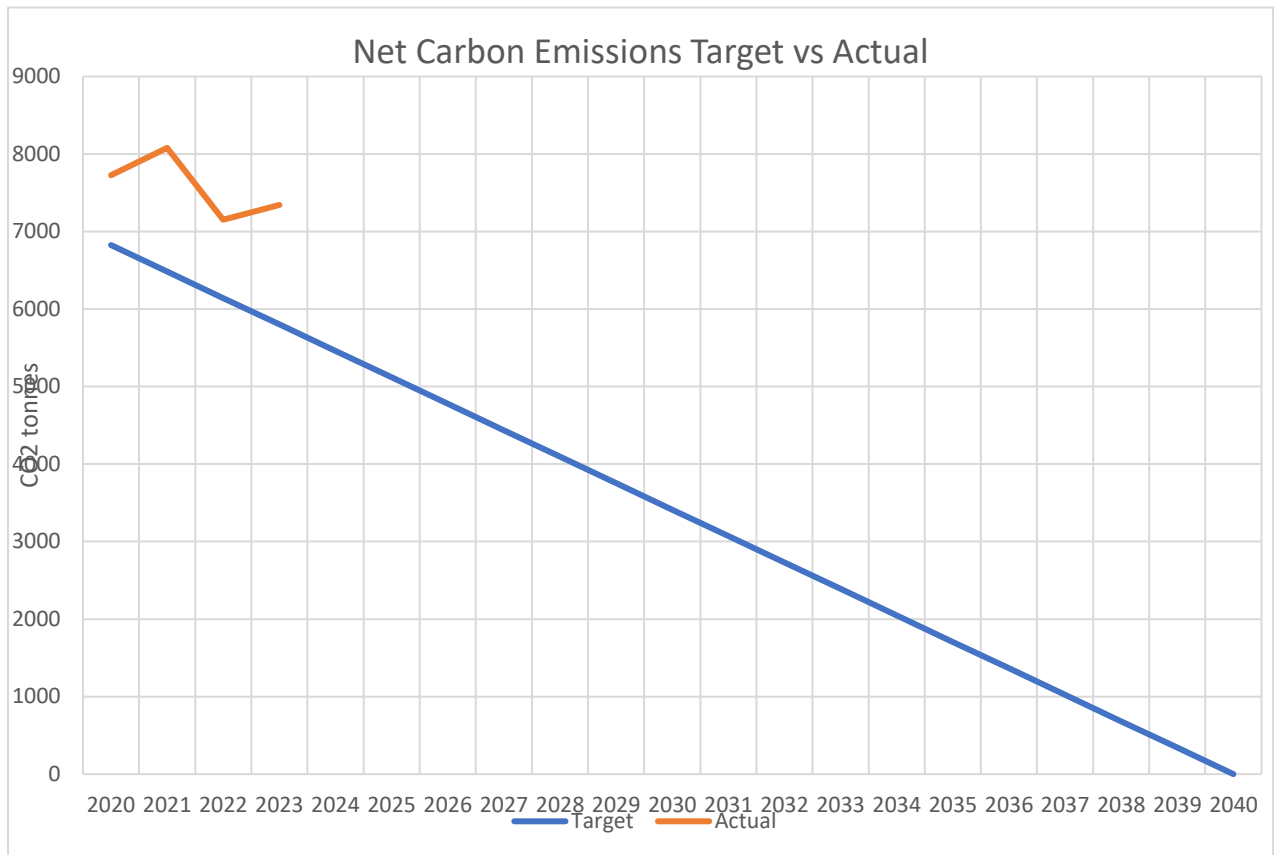
QTS Group commits to reduce absolute scope 1 and 2 GHG emissions 42.2% by 2030 from a 2020 base year. QTS Group also commits to reduce absolute scope 3 GHG emissions 25% by 2030 from a 2022 base year. QTS Group further commits to continue active annual sourcing of 100% renewable electricity through 2030.

Initiatives to meet these targets include:

1. Improved monitoring and reporting on key areas of energy usage. Monthly reports for Operations Managers and Directors. Calculation of vehicle MPG figures.
2. Introduction of samsara camera/ tracking system that will include coaching drivers on how to improve driving efficiency. This will also allow for increased monitoring of fuel usage.
3. Update surveys of all permanent office and depot sites for energy generation and energy saving/efficiency opportunities. Develop basic energy savings opportunities and incorporate into action plan and targets.
4. Further development of Teleconferencing facilities at Rench and Linby offices and roll out to other offices.
5. Speed limiters to be fitted to all commercial vehicles including hired vans.
6. Programmed replacement of light commercial vehicle fleet with more efficient vehicles, phasing out of 4x4's where not required.
7. EV charge points available at all offices.
8. Introducing of HVO as a replacement to White Diesel.
9. Roll out of hybrid power generation for all new site setups.



Progress against these targets can be seen in the graph below (Scope 1 and 2 Emissions Only)



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equate to 384.78 tCO₂e, a 5.2%ge reduction against the 2020 baseline and the measures will be in effect when performing the contract:

- Introduction of HVO Fuel for plant use out of head office.
- Continued ISO 50001 Certification
- Continued ISO 14001 certification
- Introduced total 13 electric vehicles.
- Installed EV chargers at all permanent office locations
- Converted to renewable electricity tariffs (2023 on)
- Replaced lighting with LED units
- Trialled use of solar powered site lighting
- Installed solar PV system at head office.
- Trialled use of micro wind turbine.
- Introduction of Vehicle idling campaign.

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 off by the board of directors (or equivalent management body).

Signed on behalf of QTS Group Ltd:



Iain Kirk, Compliance Director
(On behalf of the QTS Board of Directors)

Date: 19th August 2024

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>