

Greenhouse Gas Verification Statement Number
TH-IE-22-5003571-001

The inventory of Greenhouse Gas emission in period
January 01, 2021 – December 31, 2021 of

QTC Energy Public Company Limited

(Factory) 149 Moo 2, Tambol Mabyangporn, Amphur Pluakdeang, Rayong 21140 THAILAND

has been verified in accordance with Validation and Verification Requirements for Carbon Footprint for Organization, January 2017, Accounting and Reporting Requirements of Carbon Footprint for Organization Version 4, December 2018 and ISO 14064-3:2019 as meeting the requirements of

**Carbon Footprint for Organization
by Thailand Greenhouse Gas Management Organization
(CFO by TGO)**

Scope1 (Direct GHG Emission) = 253 tCO₂e
Scope2 (Indirect GHG Emission : Electricity) = 863 tCO₂e

For the following activities:

Manufacturing of transformers

The organizational boundary was established following operational control approach and The operational boundary was established cover anthropogenic sources cause direct and indirect emissions.

Authorised by

Nattarin Thunsiri
Operation Manager, SGS (Thailand) Limited
Date 24/02/2022

SGS (Thailand) Limited, 100 Nanglinchee Road, Chongnonsi, Yannawa, Bangkok 10120, THAILAND
This Statement is not valid without the full verification scope, objectives, criteria and findings available on pages 2 to 3 of this Statement.



**Schedule Accompanying Greenhouse Gas Verification Statement
TH-IE-22-5003571-001**

Brief Description of Verification Process

SGS (Thailand) Limited hereinafter referred to as "SGS" has been contracted by QTC Energy Public Company Limited hereinafter referred to as "QTC", for the verification of direct and indirect Greenhouse Gas Emissions in accordance with:
Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization as provided by QTC in their Greenhouse Gas (GHG) Assertion covering GHG emissions of the period January 01, 2021 – December 31, 2021.

Roles and responsibilities

The management of QTC is responsible for the organization's GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.

It is SGS' responsibility to express an independent GHG verification opinion on the GHG emissions as provided in the GHG Assertion for the period January 01, 2021 – December 31, 2021.

SGS conducted a third party verification in the period of January 2022 to February 2022.

The verification was based on the verification scope, objectives and criteria as agreed between QTC and SGS in Agreement Date January 19, 2022. The assessment included a desk review and remote verification at QTC factory in Rayong.

Level of Assurance

The level of assurance agreed is that of Reasonable assurance

Scope

QTC has commissioned an independent verification by SGS of reported GHG emissions of QTC arising from the manufacturing of transformers and associated activities, to establish conformance of Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization within the scope of the verification as outlined below. Data and information supporting the GHG assertion were historical in nature and proven by evidence.

This engagement covers verification of emissions from anthropogenic sources of greenhouse gases included within organization's boundary and meets the requirements of Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization and ISO 14064-3:2019.

Title or description activities:

- The organizational boundary was established following Control Approach (Operational Control).
 - Title or description activities: Manufacturing of transformers.
 - Physical infrastructure, activities, technologies and processes of the organization: Manufacturing of transformers and associated activities
 - GHG sources, sinks and/or reservoirs included: Only GHG sources, as presented in the inventory spreadsheet provided by QTC.
 - Scope 1 –stationary combustion, mobile combustion and fugitive emission;
 - Scope 2 – purchased electricity;
 - Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- GHG information for the following period was verified: January 01, 2021 – December 31, 2021.
- Intended user of the verification statement: internal use and communicate to stakeholder.

Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG assertion
 - The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Criteria

Criteria against which the verification assessment is undertaken are Validation Verification Requirements for Carbon Footprint for Organization, January 2017, Accounting and Reporting Requirements of Carbon Footprint for Organization Version 4, December 2018 and ISO 14064-3:2019

Materiality

The materiality required of the verification was considered by SGS to 5% based on the needs of the intended user of the GHG Assertion

Conclusion

QTC provided the GHG Assertion based on the requirements of **Carbon Footprint for Organization**

by Thailand Greenhouse Gas Management Organization (CFO by TGO)

The GHG information for the period January 01, 2021 to December 31, 2021 disclosing emissions of 1,116 metric tonnes of CO₂ equivalent (Summation of emission Scope1 and Scope 2)

Scope1 (Direct GHG Emission) = 253 tCO₂e

Scope2 (Indirect GHG Emission : Electricity) = 863 tCO₂e

are verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria.

SGS' approach is risk-based, drawing on an understanding of the risks associated with modeling GHG emission information and the controls in place to mitigate these risks. Our examination included assessment, on a sample basis, of evidence relevant to the reporting of emission information.

Based on the process and procedures conducted, there is evidence that the GHG assertion — is materially correct and is a fair representation of GHG data and information, and — has been prepared in accordance with the related International Standard on GHG quantification, monitoring and reporting, or to relevant national standards or practices.

We planned and performed our work to obtain the information, explanations and evidence that we considered necessary to provide a reasonable level of assurance that the GHG emissions for the period 01/01/2021 – 31/12/2021 are fairly stated.

This statement shall be interpreted with the GHG Assertion of the inventory spreadsheet provided by QTC as a whole.

Note: This Statement is issued, on behalf of Client, by SGS (Thailand) Limited ("SGS") under its General Conditions for GHG Validation and Verification Services available at at <https://www.sgs.com/en/terms-and-conditions>. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this statement, the findings and the supporting GHG Assertion may be consulted at **QTC Energy Public Company Limited (Factory) 149 Moo 2, Tambol Mabyangporn, Amphur Pluakdeang, Rayong 21140 THAILAND**. This Statement does not relieve Client from compliance with any by laws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.