

Verification Report

Verification Opinion

Verified with Comments	
<p>Based on the process and procedures conducted, there is no evidence that the GHG statement contained in the "GHG Report SAT-2024 Final" produced by SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP:</p>	<ul style="list-style-type: none"> • is not materially correct and is not a fair representation of GHG data and information. • has not been prepared in accordance with standard ISO 14064-1:2018
<p>With the following caveats</p>	<ul style="list-style-type: none"> • Category 3 (Purchased Goods and Services): This GHG quantification selected emission factor from Iron and steel production processes by Electric Arc Furnace (EAF) for representative instead of emission factor from Iron and steel production processes by Induction Furnace (IF). Emission factor unable to be a representative. The organization will improve accurately emission factor with supplier in the future.
Lead Verifier	Kanchana Sukserm
Independent Reviewer	Naris Lapsunthornphithak
Signed on behalf of BSI	Matt Page, Managing Director UK & Ireland, BSI Assurance UK Ltd.
Issue Date	1 June 2025
BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Milton Keynes, MK5 8PP, UK.	
<p>Note: BSI Assurance UK Ltd is independent to and has no financial interest in SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP. This 3rd party Verification Opinion has been prepared for SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP only for the purposes of verifying its statement relating to its GHG emissions more particularly described in the scope above. It was not prepared for any other purpose. In making this Statement, BSI Assurance UK Ltd has assumed that all information provided to it by SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP is true, accurate and complete. BSI Assurance UK Ltd accepts no liability to any third party who places reliance on this statement.</p>	

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Verification Engagement

Organization	SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP
Responsible party	SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP
Verification Objectives	To express an opinion on whether the organizational GHG Statement which is historical in nature: <ul style="list-style-type: none"> • Is accurate, materially correct and is a fair representation of GHG data and information. • Has been prepared in accordance with ISO14064-1:2018, and its principles.
Materiality Level	5%
Level of Assurance	Limited
Verification evidence gathering procedures	<ul style="list-style-type: none"> • Evaluation of the monitoring and controls systems through interviewing employees observation & inquiry • Verification of the data through sampling recalculation, retracing, cross checking, and reconciliation
The verification activities applied in a limited level of assurance verification are less extensive in nature, timing and extent than in a reasonable level of assurance verification	
Verification Standards	The verification was carried out in accordance with ISO 14064-3: 2019 and ISO 14065: 2020, ISO17029:2019
Note: SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP is responsible for the preparation and fair presentation of the GHG statement and report in accordance with the agreed criteria. BSI is responsible for expressing an opinion on the GHG statement based on the verification.	

Organizational GHG Statement

Organization	SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED GROUP
Organizations GHG Report containing GHG Statement	GHG Report SAT-2024 Final
Organizational Boundary	Operational Control
Locations included in the Organizational Boundary	The factory and office area covers an area as Appendix A
Scope of activities:	<ul style="list-style-type: none"> - SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED (SAT): Head office - SOMBOON FORGING TECHNOLOGY COMPANY LIMITED (SFT1), SOMBOON FORGING TECHNOLOGY COMPANY LIMITED (SFT2), SOMBOON FORGING TECHNOLOGY COMPANY LIMITED (SFT3): Manufacturing of forging and machining products

		<p>- SOMBOON MALLEABLE IRON INDUSTRIAL COMPANY LIMITED (SBM): Manufacturing of machining and assembly products</p> <p>- INTERNATIONAL CASTING PRODUCTS COMPANY LIMITED (ICP1), INTERNATIONAL CASTING PRODUCTS COMPANY LIMITED (ICP2): Manufacturing of iron casting products</p>
Reporting Boundary:	Direct GHG Emissions (Scope 1)	<p>Stationary Combustion</p> <ul style="list-style-type: none"> - Diesel for fire pump - Diesel for generator - LPG for boiler - LPG for maintenance - LPG for process - LPG for canteen - Gasoline for shoulder lawn mower - CO₂ from combustion at process hot forging - CO₂ from using Phenol Resin in resin sand <p>Mobile Combustion</p> <ul style="list-style-type: none"> - Diesel for company cars - Gasoline for company cars - LPG for forklift - Diesel for internal company transport vehicles, store, jig shop departments - Diesel for lawn tractors - Gasoline for vacuum cleaner <p>Process Release</p> <ul style="list-style-type: none"> - CO₂ from using Carbon GC <p>Fugitive Emissions</p> <ul style="list-style-type: none"> - Fire extinguishers leakage (CO₂, HFC-236fa) - Refrigerants leakage (R-32, R-134a, R-402a, R-407c, R-410a) - CO₂ leakage from WD-40 multipurpose oil spray - CH₄ Leakage (Septic Tank) - SF₆ Leakage (Substation)
	Direct GHG Removals (Scope 1)	None
	Indirect GHG Emissions from imported energy (Scope 2)	<ul style="list-style-type: none"> - Purchased electricity from PEA/MEA - Purchased electricity from B-Grimm

Indirect GHG emissions from transportation (Scope 3)	Excluded
Indirect GHG emissions from products used by organization (Scope 3)	Purchased Goods and Services <ul style="list-style-type: none"> - Tap water, paper, Paper packaging, wooden pallet, virgin steel bars, steel bars scrap, cast iron, steel scrap, shotblast steel pellets, steel punch, steel shredded. Fuel and energy related activities <ul style="list-style-type: none"> - Gasoline, diesel, LPG, electricity, natural gas.
Indirect GHG emissions associated with the use of products from the organization (Scope 3)	None
Indirect GHG emissions from other sources (scope 3)	None
Separately Report	<ul style="list-style-type: none"> - Refrigerants leakage (R-22)
Exclusions from Reporting Boundary:	The following categories are not deemed applicable which were assessed by the organization's criteria and found to be non-significant, are as follows: <ul style="list-style-type: none"> - Upstream transportation and distribution - Waste generated in operations - Business travel - Employee commuting - Downstream transportation and distribution - Investments
Criteria for developing the organizational GHG Inventory:	ISO 14064-1:2018 (BS EN ISO 14064-1:2019) and client's GHG Report.
Reporting Period	01/01/2024 - 31/12/2024

Y2024	tCO2(e)
Direct Emissions (scope 1)	
• Stationary Combustions	2,715.22
• Mobile Combustions	677.65
• Industrial process emission	513.50
• Fugitive Emissions	396.26
Indirect Emissions from Imported Energy (scope 2)	
• Imported Electricity from MEA, PEA (Location-based)	16,350.12
• Imported Electricity from B-Grimm (Market based)	37,615.75
Indirect GHG emissions from products used by organization (Scope 3)	
• Purchased Goods and Services (Tap water, paper, paper packaging, wooden pallet, virgin steel bars, steel bars scrap, cast iron, steel scrap, shotblast steel pellets, steel shredded)	23,130.12*
• Fuel and energy related activities (gasoline oil, diesel oil, LPG, electricity, natural gas)	14,691.85
Total GHG inventory	96,090.48
Separately Report	
• Refrigerants leakage (R22)	271.04

*This GHG quantification selected emission factor from Iron and steel production processes by Electric Arc Furnace (EAF) for representative instead of emission factor from Iron and steel production processes by Induction Furnace (IF). Emission factor unable to be a representative. The factual source Iron and steel production processes by Induction Furnace (IF).

Appendix A list of locations from the boundary of the GHG statement

Organization in boundaries	Address
1. SOMBOON ADVANCE TECHNOLOGY PUBLIC COMPANY LIMITED (SAT)	No. 215 Moo 2, Debaratna Road, Tambol Bangclalong, Amphur Bangplee, Samut Prakan Province 10540, Thailand
2. SOMBOON FORGING TECHNOLOGY COMPANY LIMITED (SFT1)	No. 300/10 Moo 1, Eastern Seaboard Industrial Estate (Rayong), Tambol Tasith, Amphur Pluak Daeng, Rayong Province 21140, Thailand.
3. SOMBOON FORGING TECHNOLOGY COMPANY LIMITED (SFT2)	No. 7/388 Moo 6, Amata City Rayong Industrial Estate, Tambol Mabyangporn, Amphur Pluak Daeng, Rayong Province 21140, Thailand.
4. SOMBOON FORGING TECHNOLOGY COMPANY LIMITED (SFT3)	No. 129 Moo 2, Debaratna Road, Tambol Bang Chalong, Amphur Bangplee, Samut Prakan Province 10540, Thailand.
5. SOMBOON MALLEABLE IRON INDUSTRIAL COMPANY LIMITED (SBM)	No. 7/250 Moo 6, Amata City Industrial Estate, Tambol Mabyangporn, Amphur Pluakdaeng, Rayong 21140, Thailand.
6. INTERNATIONAL CASTING PRODUCTS COMPANY LIMITED (ICP1)	No. 7/137 Moo 4, Amata City Industrial Estate, Tambol Mabyangporn, Amphur Pluakdaeng, Rayong 21140, Thailand.
7. INTERNATIONAL CASTING PRODUCTS COMPANY LIMITED (ICP2)	No. 7/299 Moo 6, Amata City Industrial Estate, Tambol Mabyangporn, Amphur Pluakdaeng, Rayong 21140, Thailand.