

GHG Verification Report

**Responsible party: Multek
Industries Limited**

Site inspection date: April 8, 2024

Compile date: May 22, 2024

Approval date: May 27, 2024

CTI Certification Co., LTD.

Abstract – Verification Opinion

Responsible party:

Multek Industries Limited

Level of assurance

- Level of reasonable assurance
- Level of limited assurance

Substantial Threshold: 5%

Boundary(ies) :

Verified greenhouse gas statement:

The 2023 Greenhouse Gas Inventory Report of Multek Industries Limited

Organizational boundaries:

All facilities under the operational control approach related to greenhouse gas emissions and removals of Multek Industries Limited (Short as: North Campus), located in No.2 XinTang Road,XinQing Science&Technology Industrial Park,JingAn Town,Doumen, Zhuhai City.

Scope of business and activities:

Production and sales of PCB.

Time period:

January 1, 2023- December 31, 2023

GHG Category(ies):

Category1 Category2 Category3 Category4 Category5 Category6

Site inspection date:

April 8, 2024

On-site review method:

Site assessment Remote review

Places where remote verification is carried out in multiple places: _____

Standards Applied to Verify GHG Emission Inventory and Report

ISO 14064-1:2018

Other Requirements:

Verification programme

ISO/IEC 17029:2019

ISO 14065:2020

ISO 14064-3:2019

ISO 14066:2011

Other designated GHG programs:

Members of Verification Team

Team Leader **Li xiaojing** **Signature:** 

/address: **/Shenzhen**

Members **Huang yangbin** **Signature:** 

/address: **/Shenzhen**

Technical **Li lian** **Signature:** 

Reviewer **/Shenzhen**

/address:

GHG Emission Report Summary

Category	GHG	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	Total GHG Emission
Category 1	Emission (tCO ₂ e/year)	90.20	234.67	3.28	2,368.08	0.00	0.00	0.00	2,696.24
	Percentage in total emission	3.35%	8.70%	0.12%	87.83%	0.00%	0.00%	0.00%	100.00%
Category 2	Emission (tCO ₂ e/year)	116177.52	0.00	0.00	0.00	0.00	0.00	0.00	116,177.52
	Percentage in total emission	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Category 3	Emission (tCO ₂ e/year)	1329.78	0.00	0.00	0.00	0.00	0.00	0.00	1,329.78
	Percentage in total emission	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Category 4	Emission (tCO ₂ e/year)	57783.16	0.00	0.00	0.00	0.00	0.00	0.00	57783.16
	Percentage in total emission	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Category 5	Emission (tCO ₂ e/year)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
	Percentage in total emission	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Category 6	Emission (tCO ₂ e/year)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
	Percentage in total emission	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	Emission (tCO ₂ e/year)	175380.67	234.67	3.28	2368.08	0.00	0.00	0.00	177,987
	Percentage in total emission	98.54%	0.13%	0.00%	1.33%	0.00%	0.00%	0.00%	100.00%

Verification Statement and Opinions

According to the data and information provided by Multek Industries Limited, CTI has carried out the verification activities in accordance with ISO 14064-1:2018 Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals. CTI provides assurance that: the GHG Emission from January 1, 2023 to December 31, 2023 reported by Multek Industries Limited are verifiable and meeting the requirements of the standards of ISO 14064-1:2018.

CTI concludes that: the GHG assertion is substantially correct and fairly statement of GHG data and information.

Multek Industries Limited is responsible for the preparation and fair presentation of greenhouse gas emission reports according to the guidelines.

The verification team is responsible for expressing an opinion on the greenhouse gas emission report based on the verification.

1 BRIEF INTRODUCTION

1.1 Objectives

The verification work is implemented in accordance with ISO 14064-1:2018. To be able to provide a level of reasonable assurance, CTI has implemented the following procedures we consider appropriately:

- Taking sampling test source data to check data and documents.
- Confirming the calculation is correct.
- On-site inspection of instruments and reported GHG Emission.
- Conducting face-to-face interviews and discussions with relevant personnel involved in systems, procedures, and operation control.
- Observations and checking related documents.

CTI confirms that we are not aware of any actual or perceived conflict of interest when completing this agreement.

1.2 Scope

CTI is contracted to carry out the verification of the GHG Inventory Report (Initial release date: February 10, 2024, final release date: April 10, 2024, coverage period: January 1, 2023 - December 31, 2023) of Multek Industries Limited. The verification was implemented on 8 April 2024 in accordance with the verification plan, which provides an opinion at the level of reasonable assurance on whether the 2023 GHG Inventory of Multek Industries Limited has made fair presentation in all material aspects in accordance with the standards of ISO 14064-1:2018.

1.3 Level of Assurance

The assurance level selected for this verification activity is a reasonable assurance level, and the substantial threshold is 5%.

2 OVERVIEW OF VERIFICATION ACTIVITIES

2.1 Verification Evidence Collection Procedures and Evaluation

The verifier implemented evidence gathering activities and reviewed the following as determined by the risk assessment:

No.	Content of the Review	Brief description of	Accreditation Findings
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		evidence collected (describe in parentheses below or add additional records if needed)	or Evaluation of GHG Statement/GHG Management
a	Operations and activities related to GHG sources, sinks and reservoirs; identification of emission sources;	<input checked="" type="checkbox"/> Organization Structure Chart <input checked="" type="checkbox"/> Process flow diagram <input checked="" type="checkbox"/> List of equipment <input checked="" type="checkbox"/> List of emission sources <input type="checkbox"/> Others ()	The identification of GHG emission sources of the enterprise was carried out by reviewing the enterprise organization chart and the GHG inventory report, and the identification of emission sources was found to be comprehensive.
b	GHG data management and control system: a) Selection and management of GHG data and information; b) Processes for collecting, processing, summarizing and reporting GHG data and information; c) Systems and processes to ensure the validity and accuracy of GHG data and information; d) the design and maintenance of the GHG information system;	<input checked="" type="checkbox"/> Documentation Records Control Procedures <input checked="" type="checkbox"/> Greenhouse Gas Quantification and Reporting Management Program <input type="checkbox"/> Other regulatory requirements ()	Through communication with enterprise managers and review of GHG quantification and reporting management documents, the enterprise's regulations on GHG data management and control system are clear, and the management of GHG data and information is more effective and accurate.
c	Infrastructure;	<input checked="" type="checkbox"/> Plane layout	The verification team conducts on-site

			surveys of all production processes and physical buildings to verify consistency.
d	Equipping, calibrating and monitoring of GHG-related measuring equipment;	<input checked="" type="checkbox"/> List of GHG-related measuring equipment <input checked="" type="checkbox"/> Evidence of calibration of GHG-related metrology equipment	Enterprises have established a list of GHG-related measuring equipment, which is regularly updated
e	The equipment information, supporting assumptions and calculation methods involved in the GHG emissions calculation process, and the consistency with the actual situation;	<input checked="" type="checkbox"/> Photographs of relevant equipment <input type="checkbox"/> Other regulatory requirements ()	The verification team identified on-site working facilities and took relevant site photographs.
f	Identification of processes affecting emissions and management of material flows;	<input type="checkbox"/> Processes affecting emissions (not involving process emissions) <input type="checkbox"/> Evidence of material flow (not related to process emissions)	Does not involve process emissions
g	Scope and boundaries (organizational boundaries, reporting boundaries); Results of previous verifications, if available and appropriate, to be compared;	<input checked="" type="checkbox"/> GHG statement <input checked="" type="checkbox"/> Previous GHG verification results	The verification team confirmed on-site that the enterprise boundary is all facilities generating GHG emissions and removals located at 3 Guangbao Dadao, Guangzhou Free Trade Zone, Guangzhou, as determined by the organization in accordance with the

			principle of right to operational control. GHG verifications have been carried out in previous years and the last verification year was 2022, with no change in scope or boundaries from the previous year.
h	Conformity with operational and data collection procedures;	<input checked="" type="checkbox"/> Relevant records <input type="checkbox"/> Other ()	By reviewing relevant records and communicating with site personnel, the business operation and data collection procedures are reasonable and compliant.
i	Personnel activities with potential impact on materiality;	<input checked="" type="checkbox"/> Training Management Procedures <input checked="" type="checkbox"/> Procedure Plan <input checked="" type="checkbox"/> Training Records	By reviewing relevant records and communicating with site personnel, the business operation and data collection procedures are reasonable and compliant.
j	Sampling equipment and sampling methods;	<input checked="" type="checkbox"/> Sampling plan and instructions	1 production site, not involving sampling.
k	Monitoring practices in accordance with requirements established by the Responsible Party or specified in the Guidelines;	<input checked="" type="checkbox"/> Evidence of routine monitoring by the responsible party	Meter reading records, usage records, testing records.
l	Calculations and assumptions made in determining GHG data,	See 2.3 for details	

	emissions, and, where applicable, emission reductions and removal increments;		
m	Establishment and implementation of quality control and quality assurance procedures to prevent or identify and correct any errors or omissions in the reported monitoring parameters.	<input checked="" type="checkbox"/> Greenhouse gas quality management procedures <input checked="" type="checkbox"/> Evidence of implementation of GHG quality management procedures ()	The enterprise has established and implemented a GHG management system document that effectively prevents or identifies and corrects any errors or omissions in reporting monitoring parameters.
n	Selection and applicability of base year	<input checked="" type="checkbox"/> GHG Representation	<p>The fixed base year is adopted, and 2018 is the first inventory year of the enterprise, with normal production and operation throughout the year, so it is set as the base year, which meets the requirements.</p> <p>2018 annual emissions 134848tCO₂e (Category 1-2), total output 725863m², unit product carbon emissions 185.78kgCO₂e/m².</p>
o	Establishment and implementation of GHG emission reduction targets		Reduction target: From 2021 to 2030, with 2018 as the base year, greenhouse gas emissions will be reduced by 50% (set

			<p>according to customer needs, for categories 1-2 only).</p> <p>Emissions in 2023 are 118,874TCO₂e (category 1-2), total output is 848,471.4 m², and carbon emissions per unit product are 140.10kgCO₂e/m².</p> <p>Compared with 2018 (base year), total emissions in 2023 are reduced by 11.85% and carbon emissions per unit product by 24.58%. Compared with the year 2022, the total emissions in 2023 decreased by 0.04%, and the carbon emissions per unit product decreased by 1.47%.</p>
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2.2 Confirmation of changes since the last verified GHG statement

Prior year verification: Yes(CTI Non-CTI) No (no confirmation required)

No.	Changes	Changes	Conformity of GHG statement with changed situation (if not, there should be a record of rectification verification)
a	Substantial unexplained changes in emissions, removals, and storage;	<input type="checkbox"/> Yes() <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Conformity <input type="checkbox"/> Non-conformity ()
b	An increase in the number of	<input type="checkbox"/> Yes()	<input checked="" type="checkbox"/> Conformity

	GHG source, sink and reservoir sites or facilities that are material to the GHG statement;	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Non-conformity ()
c	Substantial changes in the scope or boundary of the report;	<input type="checkbox"/> Yes() <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Conformity <input type="checkbox"/> Non-conformity ()
d	A significant change in data management involving a specific site or facility.	<input type="checkbox"/> Yes() <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Conformity <input type="checkbox"/> Non-conformity ()

2.3 Verification of GHG emissions data and information

Activity and Emission Source	Document	Verification Findings
Direct Emission from stationary combustion (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input type="checkbox"/> Delivery note <input type="checkbox"/> Invoice <input checked="" type="checkbox"/> Record of use <input checked="" type="checkbox"/> Emission factors	The diesel consumption of the generator is subject to the diesel consumption record table, which cannot be cross-verified due to the absence of the invoice. After verification, the diesel consumption record table is the actual consumption, that is, the diesel consumption of the generator is 1167.60kg.
Direct Emission from mobile combustion (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input checked="" type="checkbox"/> IC Card Fueling Ledger <input checked="" type="checkbox"/> Fueling invoice <input type="checkbox"/> Mileage driven by the vehicle <input checked="" type="checkbox"/> Vehicle inventory <input checked="" type="checkbox"/> Emission factor	The diesel consumption of forklift truck is subject to the diesel consumption record table, which cannot be cross-verified due to the absence of the invoice. After verification, the diesel consumption record table is the actual consumption, that is, the diesel consumption of forklift truck is 4340.00kg. The fuel and diesel consumption of official vehicles is subject to

		<p>the fuel and diesel allocation table (according to the total fuel consumption and the proportion of people, the fuel and diesel consumption of three areas in the North factory, Shuohong and South Factory), which is consistent with previous years, that is, the gasoline consumption of official vehicles in the North factory is 16,865.71 kg, and the diesel consumption of official vehicles is 5240.87kg.</p> <p>Gasoline density: 0.775 kg/L, source GB17930-2016, Table 2 Technical requirements and test methods for automotive gasoline (V) High limit for gasoline density; Diesel oil density: 0.84 kg/L, from China Petroleum Products Information, Diesel Oil Properties Introduction.</p>
<p>Direct Emission from process activities (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Statistics <input checked="" type="checkbox"/> Inventory records <input checked="" type="checkbox"/> Calculation Methods <input checked="" type="checkbox"/> Emission factors 	<p>The acetylene receiving record is missing. After verification, the acetylene receiving record is the actual consumption, that is, the acetylene consumption is 75kg; Material fire performance burner (methane) is not used in 2023, so the consumption is 0; Plasma (CF4) according to the purchase quantity and receiving records, the data is consistent with cross-verification, and the CH4 consumption is 1930kg; Laser gas (CO2) was cross-verified according to the receiving record</p>

		and the receiving record, the data were consistent, and the consumption was 598kg; The sodium permanganate was cross-verified according to the receiving record and the receiving record, and the actual consumption was subject to the receiving record. The on-site confirmed consumption of 40% sodium highbornate was 44,775kg.
Direct fugitive Emission: Refrigeration system (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input checked="" type="checkbox"/> Refrigerant charging records <input type="checkbox"/> Refrigerant purchase records <input checked="" type="checkbox"/> Calculation Methods <input checked="" type="checkbox"/> Emission factors	The on-site verification confirmed that the refrigerant (R134A, R123, R22, R32, R407C, R404A) emission source was involved in the enterprise, and it was confirmed by checking the charging record that only R134A was charged in 2023, and the filling amount was 136kg.
Fire-fighting System (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input type="checkbox"/> Purchase Record <input checked="" type="checkbox"/> Invoice <input checked="" type="checkbox"/> Calculation method <input checked="" type="checkbox"/> Emission factor	The verification team confirmed on site that the enterprise involved the emission source of HFC-2 gas fire extinguishers and carbon dioxide fire extinguishers, and confirmed the HFC-2 filling capacity of 600kg and carbon dioxide filling capacity of 1640kg in 2023 by checking the procurement records.
Septic tank/sewage treatment tank (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input checked="" type="checkbox"/> Design parameters of sewage treatment facilities <input checked="" type="checkbox"/> Design parameters of septic tank <input checked="" type="checkbox"/> Calculation Methods <input checked="" type="checkbox"/> Emission factors	Check the check-in schedule of the inspected party, and estimate the annual septic tank BOD production volume based on the monthly attendance and monthly production time as the active

		<p>data source of CH₄ escape discharge of domestic wastewater.</p> <p>The depth of the septic tank is greater than 2 m, and the total BOD production is 17,482kg.</p>
<p>SF₆ (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/> SF₆ charging records <input type="checkbox"/> Calculation Methods <input type="checkbox"/> Emission factors</p>	<p>Not involved.</p>
<p>Category 2 Indirect emissions of GHG from external energy inputs</p>		
<p>Indirect Emission from electricity consumption (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)</p>	<p><input checked="" type="checkbox"/> Electricity bill <input checked="" type="checkbox"/> Invoice <input checked="" type="checkbox"/> Calculation method <input checked="" type="checkbox"/> Emission factor</p>	<p>Grid electricity: Check the electricity bill and invoice, the data is consistent, the power consumption of the whole plant this year is 203712989.58kWh.</p> <p>Photovoltaic power: enterprise self-use, photovoltaic equipment is installed by the three parties free of charge, through the form of monthly electricity bill settlement fees, through the verification of electricity notice and invoice, this year the entire plant photovoltaic power consumption of 746860.50kWh.</p>
<p>Indirect Emission from a CHP facility, imported steam, district heating, and district cooling (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/> Monthly utilities bill <input type="checkbox"/> Fuel and efficiency data from suppliers <input type="checkbox"/> Emission factors</p>	<p>Not involved.</p>
<p>Category 3 Indirect GHG emissions from transportation</p>		
<p>Emissions from upstream transport of goods (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)</p>	<p><input checked="" type="checkbox"/> Procurement records <input checked="" type="checkbox"/> Transportation distance <input checked="" type="checkbox"/> Calculation method <input checked="" type="checkbox"/> Emission factors</p>	<p>The on-site communication of the verification team, combined with the raw material consumption ledger provided by</p>

		the enterprise and the related information of procurement and transportation, confirmed the data of cargo upstream transportation and distribution tonnage kilometers as truck: 4707481.42 tkm; By sea: 348,777.00 tkm.
Emissions from downstream transport and distribution for goods (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input checked="" type="checkbox"/> Product sales volume <input checked="" type="checkbox"/> Transportation distance <input checked="" type="checkbox"/> Calculation method <input checked="" type="checkbox"/> Emission factors	The on-site communication of the verification team, combined with the product sales information provided by the enterprise, confirmed the data of the downstream transportation and distribution tonnage kilometers of goods as truck: 306220.59 tkm; Sea transport: 10763.37 tkm; By air, 42357.25 tkm.
Emissions from business travels (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input checked="" type="checkbox"/> Business trip records <input checked="" type="checkbox"/> Travel distance <input checked="" type="checkbox"/> Calculation Methods <input checked="" type="checkbox"/> Emission factors	The verification team communicated on the spot, combined with the business travel records provided by the enterprise, and confirmed that the business travel mainly involved flight, and the number of people kilometers was 1552,973.00 people·km.
Emissions from employee commuting include emissions related to the transporting of employees from homes to their workplaces (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)	<input checked="" type="checkbox"/> Commuting modes <input checked="" type="checkbox"/> Commuting distance <input checked="" type="checkbox"/> Calculation Methods <input checked="" type="checkbox"/> Emission factors	The on-site communication of the verification team, combined with the shuttle bus commuting records provided by the company, confirmed that the commuting of employees mainly involves bus transportation, and the number of people kilometers is 5322012.60 people·km.

<p>Emissions from client and visitors transport (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/> Transportation modes <input type="checkbox"/> Travel distance <input type="checkbox"/> Emission factors <input type="checkbox"/> Calculation Methods</p>	<p>Not involved.</p>
<p>Category 4 Indirect GHG emissions from products used by the organization</p>		
<p>Emissions from purchased goods (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)</p>	<p><input checked="" type="checkbox"/> Purchasing ledger <input checked="" type="checkbox"/> Emission factors <input checked="" type="checkbox"/> Calculation Methods</p>	<p>The verification team communicated on site, combined with the raw material consumption ledger and office supplies consumption ledger provided by the company, and confirmed the carbon emission related data generated by the purchased goods in the production process.</p>
<p>Emissions from capital goods (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)</p>	<p><input checked="" type="checkbox"/> Procurement category <input checked="" type="checkbox"/> Purchase amount <input checked="" type="checkbox"/> Emission factor <input checked="" type="checkbox"/> Calculation method</p>	<p>After on-site communication, the verification team, combined with the purchase details of assets and goods provided by the enterprise, confirmed that the total amount of capital goods purchased was 58.4381 million yuan, that is, 9,058,800 US dollars (6.451RMB/USD at the 2021 exchange rate).</p>
<p>Upstream emissions from energy and electricity (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/> Invoices <input type="checkbox"/> Purchase records <input type="checkbox"/> Operating ledgers <input type="checkbox"/> Emission factors <input type="checkbox"/> Calculation Methods</p>	<p>Not involved.</p>
<p>Waste disposal (<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable)</p>	<p><input checked="" type="checkbox"/> Reporting records <input checked="" type="checkbox"/> Emission factors <input checked="" type="checkbox"/> Calculation method</p>	<p>In the process of on-site verification, it was found that the data of the enterprise solid waste account was inconsistent with the actual situation, so the</p>

		<p>non-conforming items were issued.</p> <p>Non-conformance: the data of solid waste account in the enterprise inventory report, inventory and basic data statistics table are wrong and need to be revised;</p> <p>Article No. Iso 14064-1:2018 6.2.2 Selection and collection of quantified data</p> <p>Closed: Revised and corrected basic data sheets, inventories and inventory reports, closed on April 10, 2024.</p>
<p>Waste transportation (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/>Waste disposal and transportation modes</p> <p><input type="checkbox"/>Haul distance</p> <p><input type="checkbox"/> Emission factors</p> <p><input type="checkbox"/>Calculation Methods</p>	Not involved.
<p>Emissions from the use of organizational assets (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/> Lease amount</p> <p><input type="checkbox"/> Emission factor</p> <p><input type="checkbox"/> Calculation method</p>	Not involved.
<p>Emissions from services purchased by the organization (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/>Purchasing ledger</p> <p><input type="checkbox"/> Emission factors</p> <p><input type="checkbox"/> Calculation Methods</p>	Not involved.
<p>Category 5 Indirect GHG emissions associated with the use of organizational products</p>		
<p>Emissions from downstream processing of products (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)</p>	<p><input type="checkbox"/> Product Sales Area</p> <p><input type="checkbox"/> Processing costs</p> <p><input type="checkbox"/> Calculation method</p>	Not involved.
<p>Emissions from the use</p>	<p><input type="checkbox"/> Product sales area</p>	Not involved.

phase of the product (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)	<input type="checkbox"/> Design parameters for product use <input type="checkbox"/> Emission factors <input type="checkbox"/> Calculation method	
Emissions from downstream leased assets (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)	<input type="checkbox"/> Lease amount <input type="checkbox"/> Emission factor <input type="checkbox"/> Calculation method	Not involved.
End-of-life disposal of products (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)	<input type="checkbox"/> Waste disposal method <input type="checkbox"/> Waste disposal weight <input type="checkbox"/> Emission factor <input type="checkbox"/> Calculation method	Not involved.
Investment Emissions (<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable)	<input type="checkbox"/> Investment amount <input type="checkbox"/> Emission factors <input type="checkbox"/> Calculation method	Not involved.

2.4 面谈的人员及发现

Name	Department	Title	Interviews	Verification Findings
Huo guoqiang	EHS	Manager	The basic information of the enterprise, the scope of organizational boundaries, the base year, and the identification of emission sources are preliminarily understood.	/
Pang Jierong	EHS	assistant manager	Introduction to greenhouse gas quality management, understanding of enterprise emission reduction targets, energy saving measures.	/

Liang Guoquan	FS	senior engineer	Check electricity invoice, notification, gasoline, diesel and other data.	/
Cao Genfu	FS	engineer	Check the refrigerant charging data of the air conditioner.	/
Huang Jiaxiang	EHS	fire protection engineer	Check carbon dioxide fire extinguisher filling, solid waste account data.	In the process of on-site verification, it was found that the data of the enterprise solid waste account was inconsistent with the actual situation, so the non-conforming items were issued.
Gao Xiying	SCM	senior manager	Check the purchase of raw and auxiliary materials.	/
Wen Yuying	HR	high commissioner	Check personnel, working hours, etc	/
Chen Simei	ADM	commissioner	Check office supplies purchase, shuttle commute, etc	/

2.5 Scope of the use of ICT verification in remote verification and its effectiveness in achieving the purpose of the verification (applicable to remote verification)

On-site verification, not involving remote verification.

2.6 Internal Quality Control

Before submitting the report, the verification report undergone an independent review. The independent review is carried out by an independent peer reviewer who meets the organization's GHG verification requirements of the CTI Certification Ability Management Program.

3 VERIFICATION FINDINGS

3.1 Site Verify

The organizational boundaries of this report including all production and operation activities related to GHG emission in the plant area and living area of Multek Industries Limited (Short as: North Campus) locates at No. 2 Xintang Road, Xinqing Science & Technology Industrial Park, Jingan Town, Doumen District, Zhuhai City, Guangdong Province.

3.2 Organizational boundaries of the report

The organizational boundary of the report covers all production operations related to GHG emissions.

3.3 Reporting boundaries included in the calculation

Category	Subcategory	Emission source specific description
Category 1: Direct GHG emission	Stationary combustion sources	Generator (diesel)
	Mobile combustion sources	Official car (gasoline/diesel), Forklift truck (diesel)
	Sources of fugitive emission from human activities	Electroplating line (sodium permanganate), Plasma unit (CF4), laser drill (CO2), atomic Absorption spectrometer (acetylene), material fire performance burner (methane)
	Sources of emission from industrial process	Septic tank (CH4), cold water host (R134a, R123), compressed air dry machine (R404a), air conditioner (R407c), air conditioner (R22), air

		conditioner (R32), carbon dioxide fire extinguisher, heptafluoropropane fire extinguisher
	Sources of emission from land use, land use change and forestry	Not involved.
Category 2: Indirect GHG emission from Imported Energy	Imported energy	Purchased electricity
	Indirect emissions from energy inputs	Not involved.
Category 3: Indirect GHG emissions from transport	Emissions from upstream transportation and distribution of goods	Raw and auxiliary materials transportation, packaging materials transportation (freight, sea)
	Emissions from downstream transportation and distribution of goods	Product transportation (freight, sea, air)
	Emissions from employee commuting	Employee Commuting (bus)
	Emissions from customer and visitor transportation	Not involved.
	Emissions from business travel	Business Travel (Flying)
Category 4: Indirect GHG emissions from products used by the organization	Emissions from the production of purchased goods	Raw and auxiliary materials, packaging materials, office supplies
	Emissions from capital goods	capital goods
	Emissions from solid and liquid waste disposal	waste management
	Emissions from the use of assets	Not involved.
Category 5: Direct GHG emissions associated with the use of tissue	GHG emissions from the use phase of the product	Not involved.

products	Emissions from downstream leases	Not involved.
	Emissions from end-of-life disposal of products	Not involved.
	Emissions from investment	Not involved.
Category 6: Indirect GHG emissions from other GHG sources	/	Not involved.

3.4 GHG information management

The relevant GHG inventory responsibilities are defined in the procedure document and the GHG inventory report. The verification team inspected the GHG information management system, which includes inventory, recording, data calculation, summarization and GHG information management, and it meets the requirements of the verification guidelines.

3.5 GHG emissions data availability

The verification team conducts on-site surveys of all production processes and physical buildings. Data calculations, summaries and data source availability for significant emission sources are checked accordingly, in compliance with the verification guidelines.

3.6 Nature of data and information

Evidence collection plans based on risk assessment are used as an integral part of the on-site verification program.

Data and information collected during the verification process are reasonable assumptions, projections and/or historical facts.

3.7 Evaluation of the GHG statement

3.7.1 Evaluation of changes

No changes in risk and materiality thresholds occurred during the verification process.

3.7.2 Evaluation of Sufficiency and Appropriateness of Evidence

The evidence collected during the verification process was sufficient and appropriate, and

the verification team inspected the system containing inventory, records, data calculation, summarization and GHG information management.

3.7.3 Evaluation of Substantial Misstatements

The organization's GHG statement is free of material error and substantially meets the requirements.

3.7.4 Evaluation of conformity with guidelines

The quantification and reporting of greenhouse gas emissions and removals in the organization's GHG statement meets the relevant requirements of ISO 14064-1:2018.

3.7.5 Appropriateness of quantification and reporting methodologies and any variations

The methodology for quantifying and reporting GHG emissions and removals in the organization's GHG statement is suitable and appropriate.

3.7.6 Evaluation of changes since previous cycles

There is no change in organizational boundaries or emission sources in 2023 compared with 2022. Compared with the year 2018 (fixed base year), the verification increases the accounting of scope 3, but due to the company's own carbon management needs, no change is made in the base year, and the emission reduction target is consistent with that of previous years (only for scope 1 and 2).

4 VERIFICATION COMMENTS

CTI implemented a verification plan through sampling and on-site verification according to the agreed level of reasonable assurance and concluded that the total GHG Emission of Multek Industries Limited in 2023 are verified to be 177987 tCO₂e, which meet the substantial threshold of 5%.

5 VERIFICATION STATEMENT

See Verification Declaration document.

Appendix:

Multek Industries Limited GHG emission practices

1、 Water treatment energy-saving fan improvement project

Four traditional SSR three-leaf Roots blowers are used to aerate the reaction pool in the industrial wastewater treatment station. The Roots blowers have some problems, such as high energy consumption, high noise, high maintenance cost and large footprint. In 2023, we invested 380,000 yuan to purchase a single Neuros air suspension blower to replace four traditional SSR three-leaf Roots blowers, saving 358,95KWH of electricity per year, equivalent to reducing 20.47 tons of greenhouse gas emissions per year.



2、 Wet process horizontal line energy-saving fan replacement project

The wet process horizontal line drying uses ordinary high-pressure fans with low frequency and speed, and cannot meet the requirements after the air volume

adjustment. Multiple fans can only be used to implement the drying. Due to the small clearance between the fan impeller and the shell, large friction heat is generated, resulting in large noise of the outlet, high power consumption, and low efficiency of the fan. The company invested 3,128,300 yuan to replace 181 ordinary high-pressure fans with 84 high-frequency axial flow fans, and added fan frequency converters for control, saving 1,916,594KWH of electricity per year, equivalent to reducing 1093 tons of greenhouse gas emissions per year.

