Greenhouse Gas Inventory Report 2024

Our Mission:

To provide innovation, clean and efficiency energy solutions

for a better tomorrow

For the period: 1 January 2024 to 31 December 2024

Scope: Delta Electronic (Thailand) PCL.

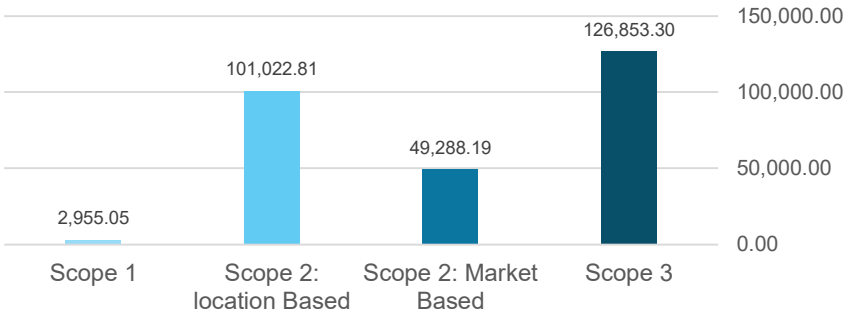
Delta Electronic India Private Limited

Delta Electronic (Slovakia), s.r.o

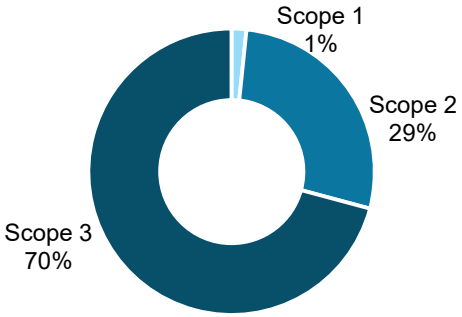
2024 Summary of Greenhouse Gas Emission

Type of Emissions (Tones CO2e)	Delta Thailand	Delta India	Delta Slovakia	Other	Total
Direct Emission Scope 1:	1,626.71	775.08	553.26	-	**2,955.05**
Indirect Emission Scope 2 (location Based):	81,044.18	18,279.26	1,405.22	294.15	**101,022.81**
Indirect Emission Scope 2 (Market Based):	36,571.58	12,662.74	0.89	52.98	**49,288.19**
Indirect Emission Scope 3:	108,988.46	1,974.89	15,796.54	93.42	**126,853.30**
Scope 1 & 2 intensity (Market Based):					**12.23**

Structure Emission by Scope



Market-Based Emission



Details of Greenhouse Gas Emission

Type of Emissions (Tones CO2e)	Delta Thailand	Delta India	Delta Slovakia	Other	Total
Total Direct Emission Scope 1	**1,626.71**	**775.08**	**553.26**	**-**	**2,955.04**
Stationary Combustion	7.46	568.05	501.74	-	1,077.25
Mobile Combustion	244.58	108.38	-	-	352.96
Direct process emissions from industrial processes	0.09	-	-	-	0.09
Direct fugitive emissions arise from the release of GHG in anthropogenic systems	1,374.57	98.65	51.52	-	1,524.74

1) Delta Thailand cover: Manufacturing site include DET 1,3,5,6,7,8, 9 WHC 1,2,3
Sales Office include DGiT, Eltek, Australia, Singapore, Myanmar, Malaysia, Vietnam and Philippine

2) Delta India cover: Manufacturing site include Guragon, Rudrapur, and Krishanagiri site
Sales Office include Bangalore, Mumbai, Ahemdabad, and Chennai

3) Delta Slovakia cover: Manufacturing site in Dubnica

Type of Emissions (Tones CO2e)	Delta Thailand	Delta India	Delta Slovakia	Other	Total
Scope 2 (location Based):	81,044.18	16,597.29	1,405.22	294.15	99,340.84
Scope 2 (Market Based):	36,571.57	13,742.36	0.89	217.35	50,532.17

Type of Emissions (Tones CO2e)	Delta Thailand	Delta India	Delta Slovakia	Other	Total
Direct Emission Scope 3:	**108,988.46**	**17,854.73**	**15,796.53**	**93.42**	**142,733.15**
Category 1: Purchased goods and services	-	-	6,643.62	-	6,643.62
Category 2: Capital goods	-	-	2,512.22	-	2,512.22
Category 3: Fuel- and energy-related activities	-	58.21	1,192.34	-	1,250.55
Category 4: Upstream transportation and distribution	18638.35	13,460.53	3,659.41	-	35,758.29
Category 5: Waste generated in operations	-	333.91	55.78	-	389.69
Category 6: Business travel	1288.44	1,746.44	232.87	-	3,267.75
Category 7: Employee commuting	-	1,906.65	326.45	-	2,233.10
Category 8 : Upstream leased assets	-	-	-	-	0.00
Category 9: Downstream transportation and distribution	89061.67	348.99	1,173.86	93.42	90,677.94
Category 10: Processing of sold products	-	-	-	-	0.00
Category 11: Use of sold products	-	-	-	-	0.00
Category 12: End-of-life treatment of sold products	-	-	-	-	0.00
Category 13: Downstream leased assets	-	-	-	-	0.00
Category 14: Franchises	-	-	-	-	0.00
Category 15: Investments	-	-	-	-	0.00

Greenhouse Gas Inventory Report

Our Mission:

To provide innovative, clean and efficient energy solutions for a better tomorrow

For the period: January 1, 2024 to December 31, 2024
Published in: March, 2025 by Delta Electronics (Thailand) PCL.

Reported by: Mr. Saroj Ruangsakulraj

Introduction

The global financial crisis is causing massive economic upheaval, but with the world's governments working together, recovery is now in sight. Yet the threat posed by global warming still requires a major breakthrough in international negotiations and a change in modern lifestyles to slow the rate of warming and avert an ecological catastrophe.

With our corporate mission of "To provide innovative, clean and efficient energy solutions for a better tomorrow", DET strive to do our utmost to help slow global warming and reduce our environmental impact and also believe in fulfilling Delta's CSR goals through sound corporate governance, balancing stakeholder interests and social participation.

Responding to climate change is not only a corporation's social responsibility. How to respond to the threat it poses; and take advantage of the opportunities it offers; is something that businesses must look at seriously in their corporate strategies.

Carbon emissions reporting becoming an important topic, there is an increasing move towards greenhouse emissions reporting and disclosure. DET is looking towards best practice in the area of sustainability reporting. Sometimes the information is included in Annual Reports or in annual Sustainability and Corporate Responsibility reports. The format and composition of the information varies widely.

Greenhouse Gas report illustrates for a typical company the strategy, targets, performance, and benchmarking of how the company is working to reduce its impact on and adapt to climate change. Clearly, in order to produce reliable information for such reporting, and to monitor emissions performance and management actions to achieve reductions during the year, companies will need to consider carefully processes, systems, controls and internal reporting requirements.

Contents

1. Company Profile

Delta Electronics (Thailand) Public Company Limited was established in 1988. DET is the world's leading manufacturers and distributors; design and development of: Power Conversion Products (such as Switching Power Supply, Adaptor & Charger, AC-DC / DC-DC converter, Telecommunication / Server Power Supply) ; Magnetic products (such as Transformer, Line Filter, Coil) ; Electronic control units / Vision system for Automotive; EMI Filter; Cooling Fan; MTS (Molding, Tooling and Stamping); Solenoid product; PWB Assembly and Transformer. Its operation has now covered several regions i.e. Europe, Middle East, South America and Asia with a total consolidated sales turnover of approximate USD 1 billion.

Delta Electronics (Thailand) Public Company Limited and other sites in Southeast Asia (hereafter DET) had approximately 21,765 workers during the 2024 year.

2. GHG Management

2.1 Guideline of the report

This emissions inventory report has been prepared and written in accordance with the principles set out by the International Standards Organization (ISO) for the quantification and reporting of Greenhouse Gas Emissions and Removals (ISO14064-1).

2.2 Report Principle and Criteria

According to the report complete, consistent, accurate, relevant and transparent information complied principles.

2.3 Base Year

Setting and Adjustment the base year

Set the base year for SBTi: 2°C SBT target

Base-year Greenhouse Gas Inventory is annually thereafter, DET shall report the inventory of the preceding calendar year. DET has chosen the set base year for this report in 2014, which spans from January 1st, 2014 to December 31st , 2014, in the following manner:

- GHG Scope 1 (tCO_2e) : 823.56
- GHG Scope 2 (tCO_2e) – Location based : 37,662.19
- Total GHG Scope1 and 2 (tCO_2e) – Location based : 38,485.75

Set the base year for SBTi: Net-Zero SBT

Base-year Greenhouse Gas Inventory is annually thereafter, DET shall report the inventory of the preceding calendar year. DET has chosen the set base year for this report in 2021, which spans from January 1st, 2021 to December 31st , 2021, in the following manner:

- GHG Scope 1 (tCO_2e) : 802.47
- GHG Scope 2 (tCO_2e) – Location based : 50,693.46
- GHG Scope 3 (tCO2e) : 127,378.53
- Total GHG Scope1 and 2 (tCO_2e) – Location based : 51,495.93
- Total GHG Scope 1, 2 and 3 (tCO2e) – Location based : 178,874.46

Adjust the base year

Amendments to the base year by the implementation team by adjustment the internal and external situation, and report to Top management for approval.

Recalculation of the base year's emission

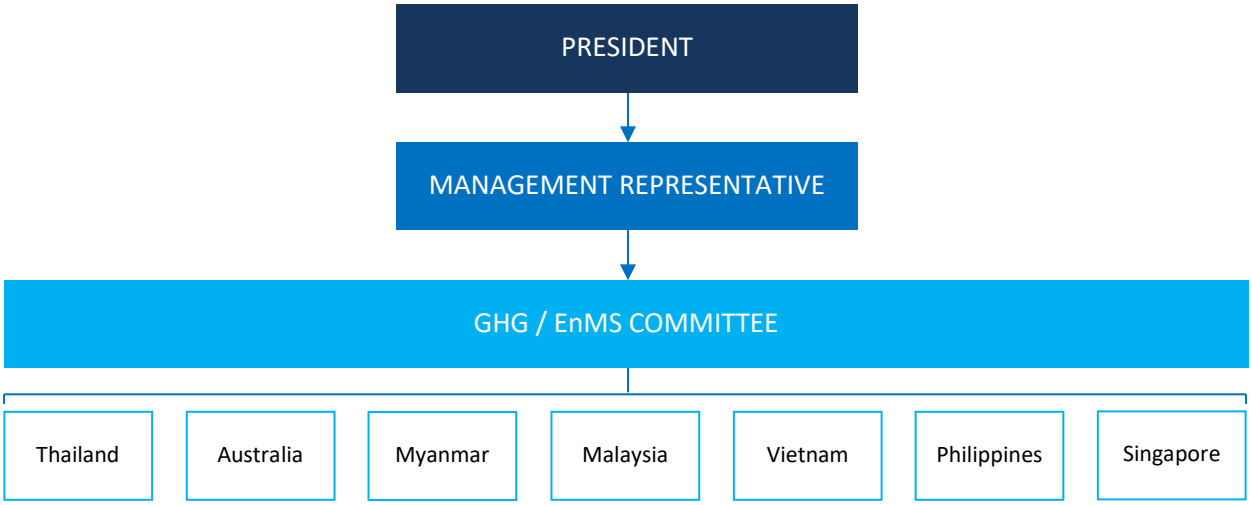
The base year emissions recalculation base-year inventory in the following cases should be re-calculated emissions for more than 5% significance threshold totally:

- When the operation of boundary changes;
- When the source of equity stakeholders / transfer;
- When a change in calculation method.

2.4 Organizational and Operational Boundaries

The company used the operational control-based approach to defining organizational boundaries. Due to the control prescribed nature of the core company, the application of either the control or equity approach is likely to have the same effect. The activity data is gathered from DET. The organizational boundary of DET. is defined by the purposes of the greenhouse gas (GHG) inventory include core business activities only.

2.5 GHG Organization and Responsibility



Responsibility:

Executive Management Team (Management Representative & GHG / EnMS Committee)

DET's Executive Management Team shall review and ultimately approve DET's annual GHG inventory and Carbon Footprint Report / Strategy. Members of the Executive Management Team will also be responsible for the communication of the Report / Strategy at their plant through meetings and discussions where necessary.

Plant Manager

DET's Plant Manager shall oversee the development of DET's annual GHG inventory and Carbon Footprint Report / Strategy. They shall review DET's annual GHG inventory and Carbon Footprint Report / Strategy, and assume ultimate responsibility for the achievement of targets set.

Concern Department Manager

DET's Manager shall oversee the day-to-day development of DET's annual GHG inventory. They will develop and manage the projects annual communications strategy, arrange documentation to communicate inventory and strategy, arrange and coordinate the project's annual external verification and assurance process.

The Manager shall also provide support to the EMR in the development of DET's annual GHG inventory.

DET's EMR, together with members of the Plant Representative Team will gather data from facilities, finance and related dept; and develop an annual GHG inventory with Management Representative. They shall also work cooperatively with external verification and assurance team to allow smooth implementation of process.

DET's Plant Representative shall assist in the provision of data wherever applicable. The team shall ensure the collection of data for annual inclusion in DET's GHG inventory.

2.6 Management Review

As the new base year was set as 2021 for DET reported detailed greenhouse gas emissions, Management Representatives or his assignee shall review and approve Greenhouse Gas Inventory Report. On an annual basis, it shall be reviewed the relevance of DET's performance and the effectiveness of existing monitoring / measurement systems to provide accurate, complete and timely information sets to management team. The latest management review was held in November 27, 2024.

2.7 Verification of Greenhouse Gas Inventory Report

This Greenhouse gas Emissions report has been verified by SGS auditor. A positive assurance report has been given over the assertions and quantifications included in this report.

3. Primary Statement of GHG Inventory

3.1 Greenhouse Gas Emissions Sources

Emissions sources were identified with reference to the methodology described in the Greenhouse Gas Protocol and ISO14064-1:2018. Emissions sources Identification was achieved using specific guidance on Scope 3 factors included in ISO14064-1 Annex B and in the Greenhouse Gas Protocol (WBCSD).

These emissions have then been classified into 3 categories. The definition of each has been adapted from the Greenhouse Gas Protocol; the 3 types of emissions are:

- Direct Emissions (Scope 1 – Category 1): from sources that are owned or controlled by DET.
- Indirect Emissions (Scope 2 – Category 2): from generation of purchased electricity consumed by DET.
- Indirect Emissions (Scope 3 – Category 3, 4, 5 and 6): Emissions that occur as a consequence of the activities of DET but occur from sources not owned or controlled by DET. Inclusions of these are determined on DET's aims of the program.

Actual Emissions

Scope	Emission Sources
Scope 1	Category 1: Direct GHG Emission 1.1 Stationary Combustion - Generator and Fire Pump (Diesel) 1.2 Mobile Combustion - Forklift and Truck (Diesel) - Company Car (Gasoline) / Company Van (Diesel) - Transportation for Sale Activities (Gasoline) 1.3 Direct process emissions from industrial processes - Injection LPG Cylinder - Welding LPG Cylinder 1.4 Direct fugitive emissions arise from the release of GHG in anthropogenic systems - Septic Tank (CH_4) - Fire Extinguisher (CO_2 type & HFC227ea / FM200 type & FK-5-1-12/Novec1230 type) - Cooling System (HFC134a/R134a & HFC404/R404a & HFC23/R23 & HFC410A/R410A & HFC407c/R407c & HFO514A/R514A & R1234ze(E)) - Air Compressor System (HFC407C/R407C) - Water Drinking Dispenser (HFC134a/R134a) - Circuit Breaker (SF_6)
Scope 2	Category 2: Indirect GHG Emission from purchased electricity 2.1 Purchased Electricity from other organization 2.2 Electricity from renewable energy sources purchased from other organization (Unbundled Energy Attribute Certificates (EACs), Green Electricity Products, Directly Procured from RE Generators (PPA))
Scope 3	Category 3: Indirect GHG Emission from transportation 3.1 Transportation of Raw material (Ocean and Air Freight only) 3.2 Transportation of Finished Goods (Ocean and Air Freight only) 3.3 Transportation of Business trip by Air Freight 3.4 Transportation of Bus/Van for Employee 3.5 Emission from transportation that are not described in the above subcategories (Transportation of Food & Waste Management Entrepreneur, Ambulance) Category 4: Indirect GHG Emission from product used by organization 4.1 Canteen (Liquefied Petroleum Gas) 4.2 Industrial and Normal Waste (from Production / Garbage) Category 5: Indirect GHG Emission associated with the use of products from the organization 5.1 Emission from Processing of Sold Product 5.2 Emission from The Use of Sold Products 5.3 Emission from Downstream Leased Assets (Electricity for EV Chargers Use) 5.4 Emission from End-of-Life Stage of The Product 5.5 Emission from Investments Category 6: Indirect GHG Emission from other sources

Remark:

- No biomass is used in DET operations and therefore no emissions from the combustion of biomass are included.
- No generated electricity from fuel combustion, heat or stream is used in DET operations and therefore no emissions from these sources are included.

3.2 Greenhouse Gas Emissions Inclusions & Exclusions

Scope of Emissions		Emission Sources
Scope 3	Inclusions:	Category 3: Indirect GHG Emission from transportation 3.1 Transportation of Raw material (Ocean and Air Freight only) 3.2 Transportation of Finished Goods (Ocean and Air Freight only) 3.3 Transportation of Business travel Category 5: Indirect GHG Emission associated with the use of products from the organization 5.3 Emission from Downstream Leased Assets (Electricity for EV Chargers Use)
	Exclusions:	Category 3: Indirect GHG Emission from transportation 3.4 Transportation of Bus/Van for Employee 3.5 Emission from transportation that are not described in the above subcategories (Transportation of Food & Waste Management Entrepreneur, Ambulance) Category 4: Indirect GHG Emission from product used by organization 4.1 Canteen (Liquefied Petroleum Gas) 4.2 Industrial and Normal Waste (from Production / Garbage) Category 5: Indirect GHG Emission associated with the use of products from the organization 5.1 Emission from Processing of Sold Products 5.2 Emission from The Use of Sold Products 5.4 Emission from End-of-Life Stage of The Product 5.5 Emission from Investments Category 6: Indirect GHG Emission from other sources

Indirect Emissions (Scope 3)

The emissions are occurred as a consequence of the activities of DET, but occur from sources not owned or controlled by DET therefore some Indirect Emissions (Scope 3) have been ignored.

3.3 Summary of Greenhouse Gas Emissions

3.3.1 Thailand

Type of Emissions (Tonnes CO_2e*)	DET1	DET3	WHC1	WHC2	WHC3	DET5	DET6	DET7	DET8&9	DGIT*	Eltek Co., Ltd.	2024 Performance
Direct (Scope 1) Emissions:												
Category 1: Direct GHG Emission												
1.1 Stationary Combustion												
- Generator (Diesel)	0.95	0.62	0	0	0.46	2.44	0	0.54	0	0	0	5.01
- Fire Pump (Diesel)	0	0.76	0.39	0.54	0	0.76	0	0	0	0	0	2.45
1.2 Mobile Combustion												
- Own Transportation by Truck (Diesel)	39.48	5.63	0	0	0	24.60	34.48	0	0	0	0	104.20
- Own Transportation by Forklift (Diesel)	4.94	1.86	0	0	0	0	15.55	4.20	0	0	0	26.54
- Own Transportation by Company Car (Gasoline)	0	0	0	0	0	10.46	0	0	0	0	0	10.46
- Own Transportation by Company Van (Diesel)	0	0	0	0	0	14.26	0	0	0	0	0	14.26
- Transportation for Sale Activities	0	0	0	0	0	0	0	0	0	89.12	0	89.12
1.3 Direct process emissions from industrial processes												
- Injection LPG Cylinder	0	0	0	0	0	0	0	0.09	0	0	0	0.09
- Welding LPG Cylinder	0	0	0	0	0	0	0	0	0	0	0	0
1.4 Direct fugitive emissions arise from the release of GHG in anthropogenic systems												
- Domestic Wastewater (CH_4)	77.61	77.23	66.21	6.06	1.07	200.04	4.06	334.68	102.70	0	0	869.67
- Fire Extinguisher (CO_2 type)	0	0	0	0	0	0	0	0	0	0	0	0
- Fire Extinguisher (HFC227ea / FM200 type)	0	0	0	0	0	0	0	0	0	0	0	0
- Fire Extinguisher (FK-5-12 / Novec1230 type)	0	0	0	0	0	0	0	0	0	0	0	0
- Cooling System (HFC134a / R134a)	0	0	0	0	0	504.90	0	0	0	0	0	504.90
- Cooling System (HFC404A / R404A)	0	0	0	0	0	0	0	0	0	0	0	0
- Cooling System (HFC23 / R23)	0	0	0	0	0	0	0	0	0	0	0	0
- Cooling System (HFC410A / R410A)	0	0	0	0	0	0	0	0	0	0	0	0
- Cooling System (HFC407C / R407C)	0	0	0	0	0	0	0	0	0	0	0	0
- Cooling System (HFC514A / R514A)	0	0	0	0	0	0	0	0	0	0	0	0
- Air Compressor System (HFC407C / R407C)	0	0	0	0	0	0	0	0	0	0	0	0
- Water Drinking Dispenser (HFC134a / R134a)	0	0	0	0	0	0	0	0	0	0	0	0
- Circuit Breaker (SF_6)	0	0	0	0	0	0	0	0	0	0	0	0
Total Direct (Scope 1) Emissions	**122.98**	**86.10**	**66.60**	**6.60**	**1.53**	**757.46**	**54.09**	**339.51**	**102.70**	**89.12**	**0**	**1,626.71**

Type of Emissions (Tonnes CO_2e*)	DET1	DET3	WHC1	WHC2	WHC3	DET5	DET6	DET7	DET8&9	DGIT	Eltek Co., Ltd.	2024 Performance
Indirect (Scope 2) Emissions: Category 2: Indirect GHG Emission from Purchased Electricity												
2.1 All purchased electricity in owned buildings.	9,677.93	5,517.54	578.88	718.36	4,009.04	26,249.21	6,734.79	18,839.12	8,665.27	0	0	80,990.14
2.2 All purchased electricity in leased buildings.	0	0	0	0	0	0	0	0	0	18.26	35.78	54.04
2.3 Unbundled Energy Attribute Certificates (Total 88,963 RECs)	6,073.29	2,869.93	269.95	377.92	1,970.11	12,671.97	2,671.97	9,072.69	8,466.31	11.25	17.25	44,472.60
2.4 All purchased green electricity products	0	0	0	0	0	0	0	0	0	0	0	0
2.5 Directly Procured from RE Generators (PPA)	0	0	0	0	0	0	0	0	0	0	0	0
Total Indirect (Scope 2 – Location based) Emissions	9,677.93	5,517.54	578.88	718.36	4,009.04	26,249.21	6,734.79	18,839.12	8,665.27	18.26	35.78	81,044.18
Total Indirect (Scope 2 – Market based) Emissions	3,604.64	2,647.61	308.94	340.43	2,038.94	13,577.24	4,062.83	9,766.44	198.96	7.01	18.54	36,571.57
Total Gross Controlled Emissions (Scope 1 and Scope 2) – Location based	**9,800.90**	**5,603.64**	**645.49**	**724.96**	**4,010.57**	**27,006.66**	**6,788.89**	**19,178.64**	**8,767.97**	**107.38**	**35.78**	**82,679.89**
Total Gross Controlled Emissions (Scope 1 and Scope 2) – Market based	**3,727.62**	**2,733.71**	**375.54**	**347.04**	**2,040.47**	**14,334.70**	**4,116.92**	**10,105.95**	**301.66**	**96.14**	**18.54**	**38,198.28**
Indirect (Scope 3) Emissions: Category 3: Indirect GHG Emission from Transportation												
3.1 Transportation of Raw material (Ocean and Air Freight only)												18,638.35
3.2 Transportation of Finished Goods (Ocean and Air Freight only)												89,061.67
3.3 Transportation of Business trip by Air Freight						1,269.40				19.04		1,288.44
Indirect (Scope 3) Emissions: Category 5: Indirect GHG Emission associated with the use of products from the organization												
5.3 Emission from Downstream Leased Assets (Electricity for EV Chargers Use)	0	0	0	0	0	0	0	0	0	0	0	0
Total Indirect (Scope 3) Emissions						**1,269.40**				**19.04**		**108,988.46**
Total Gross Controlled Emissions (Scope 1 - Scope 3) – Location based	**9,800.90**	**5,603.64**	**645.49**	**724.96**	**4,010.57**	28,276.06	**6,788.89**	**19,178.64**	**8,767.97**	**126.42**	**35.78**	**191,659.35**
Total Gross Controlled Emissions (Scope 1 - Scope 3) – Market based	3,727.62	2,733.71	375.54	347.04	2,040.47	15,604.10	4,116.92	10,105.95	301.66	**115.18**	18.54	**147,186.74**

Remark:

- Data expressed in carbon dioxide equivalent units
- DGIT is an abbreviation for Delta Green Industrial (Thailand) Co., Ltd.

3.3.2 Australia

Type of Emissions (Tonnes CO2e*)	Delta Electronics (Australia) Pty., Ltd.	March Networks (Australia) Pty., Ltd.	2024 Performance
Indirect (Scope 2) Emissions:			
Category 2: Indirect GHG Emission from Purchased Electricity			
2.1 All purchased electricity in owned buildings.	0	0	0
2.2 All purchased electricity in leased buildings.	83.28	5.18	88.46
2.3 Unbundled Energy Attribute Certificates (Unbundled EACs)	0	0	0
2.4 All purchased green electricity products (GreenPower Program)	76.79	0	76.79
2.5 Directly Procured from RE Generators (PPA)	0	0	0
Total Indirect (Scope 2 – Location based) Emissions	83.28	5.18	88.46
Total Indirect (Scope 2 – Market based) Emissions	**6.49**	**5.18**	**11.67**

Remark:

- Data expressed in carbon dioxide equivalent units.
- There are no direct emissions from Category 1 because the activities are not owned by Delta.

3.3.3 Myanmar

Type of Emissions (Tonnes CO2e*)	Delta Electronics (Myanmar) Co., Ltd.	2024 Performance
Indirect (Scope 2) Emissions:		
Category 2: Indirect GHG Emission from Purchased Electricity		
2.1 All purchased electricity in owned buildings.	0	0
2.2 All purchased electricity in leased buildings.	4.83	4.83
2.3 Unbundled Energy Attribute Certificates (Unbundled EACs)	0	0
2.4 All purchased green electricity products	0	0
2.5 Directly Procured from RE Generators (PPA)	0	0
Total Indirect (Scope 2 – Location based) Emissions	4.83	4.83
Total Indirect (Scope 2 – Market based) Emissions	**4.83**	**4.83**

Remark:

- Data expressed in carbon dioxide equivalent units.
- There are no direct emissions from Category 1 because the activities are not owned by Delta.
- Myanmar site was closed in Dec 2024.

3.3.4 Malaysia

Type of Emissions (Tonnes CO2e*)	Eltek Power (Malaysia) Sdn. Bhd.	Universal Instrument Corporation	2024 Performance
Indirect (Scope 2) Emissions:			
Category 2: Indirect GHG Emission from Purchased Electricity			
2.1 All purchased electricity in owned buildings.	0	0	0
2.2 All purchased electricity in owned buildings.	12.50	8.63	21.13
2.3 Unbundled Energy Attribute Certificates (Unbundled EACs)	0	0	0
2.4 Green Electricity Products	0	0	0
2.5 Directly Procured from RE Generators (PPA)	0	0	0
Total Indirect (Scope 2 – Location based) Emissions	12.50	8.63	21.13
Total Indirect (Scope 2 – Market based) Emissions	**12.50**	**8.63**	**21.13**

Remark:

- Data expressed in carbon dioxide equivalent units.
- There are no direct emissions from Category 1 because the activities are not owned by Delta.
- Eltek Power (Malaysia) Sdn. Bhd. will officially operate under its new name, Delta Electronics Solutions (Malaysia) Sdn. Bhd., effective 17 February 2025.

3.3.5 Vietnam

Type of Emissions (Tonnes CO2e*)	Delta Electronics (Vietnam) Co., Ltd.	2024 Performance
Indirect (Scope 2) Emissions:		
Category 2: Indirect GHG Emission from Purchased Electricity		
2.1 All purchased electricity in owned buildings.	0	0
2.2 All purchased electricity in owned buildings.	9.41	9.41
2.3 Unbundled Energy Attribute Certificates (Unbundled EACs)	0	0
2.4 Green Electricity Products	0	0
2.5 Directly Procured from RE Generators (PPA)	0	0
Total Indirect (Scope 2 – Location based) Emissions	9.41	9.41
Total Indirect (Scope 2 – Market based) Emissions	**9.41**	**9.41**

Remark:

- Data expressed in carbon dioxide equivalent units.
- There are no direct emissions from Category 1 because the activities are not owned by Delta.

3.3.6 Philippines

Type of Emissions (Tonnes CO2e*)	ELTEK POWER INCORPORATED	2024 Performance
Indirect (Scope 2) Emissions:		
Category 2: Indirect GHG Emission from Purchased Electricity		
2.1 All purchased electricity in owned buildings.	0	0
2.2 All purchased electricity in owned buildings.	5.94	5.94
2.3 Unbundled Energy Attribute Certificates (Unbundled EACs)	0	0
2.4 Green Electricity Products	0	0
2.5 Directly Procured from RE Generators (PPA)	0	0
Total Indirect (Scope 2 – Location based) Emissions	5.94	5.94
Total Indirect (Scope 2 – Market based) Emissions	**5.94**	**5.94**

Remark:

- Data expressed in carbon dioxide equivalent units.
- There are no direct emissions from Category 1 because the activities are not owned by Delta.

3.3.7 Singapore

Type of Emissions (Tonnes CO2e*)	Delta Electronics Int'l (Singapore) Pte., Ltd.	2024 Performance
Indirect (Scope 2) Emissions:		
Category 2: Indirect GHG Emission from Purchased Electricity		
2.1 All purchased electricity in owned buildings.		
2.2 All purchased electricity in owned buildings.	164.38	164.38
2.3 Unbundled Energy Attribute Certificates (Total 330 RECs)	164.38	164.38
2.4 Green Electricity Products	0	0
2.5 Directly Procured from RE Generators (PPA)	0	0
Total Indirect (Scope 2 – Location based) Emissions	**164.38**	**164.38**
Total Indirect (Scope 2 – Market based) Emissions	**0**	**0**
Indirect (Scope 3) Emissions:		
Category 5: Indirect GHG Emission associated with the use of products from the organization		
5.3 Emission from Downstream Leased Assets (Electricity for EV Chargers Use)	93.42	93.42
Total Indirect (Scope 3) Emissions		
Total Gross Controlled Emissions (Scope 2 - Scope 3) – Location based	**257.80**	**257.80**
Total Gross Controlled Emissions (Scope 2 - Scope 3) – Market based	**93.42**	**93.42**

Remark:

- Data expressed in carbon dioxide equivalent units.
- There are no direct emissions from Category 1 because the activities are not owned by Delta.

Quantity of Greenhouse Gas separated by type of emissions

Thailand

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tonnes CO_2e
Scope 1 Category 1: Direct GHG Emission	**Total**	**246.18**	**871.09**	**4.55**	**504.90**	**0**	**0**	**1,626.71**
	DET1	44.66	77.66	0.657	0	0	0	
	DET3	8.64	77.24	0.230	0	0	0	
	WHC1	0.39	66.21	0.001	0	0	0	
	WHC2	0.54	6.06	0.001	0	0	0	
	WHC3	0.46	1.07	0.001	0	0	0	
	DET5	52.14	200.20	0.211	504.90	0	0	
	DET6	48.11	4.12	1.865	0	0	0	
	DET7	4.34	334.69	0.484	0	0	0	
	DET8&9	0	102.70	0	0	0		
	DGiT	86.91	1.12	1.099	0	0	0	
	Eltek Co., Ltd.	0	0	0	0	0	0	
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	**Total**	**81,044.18**						**81,044.18**
	DET1	9,677.93						
	DET3	5,517.54						
	WHC1	578.88						
	WHC2	718.36						
	WHC3	4,009.04						
	DET5	26,249.21						
	DET6	6,734.79						
	DET7	18,839.12						
	DET8&9	8,665.27						
	DGiT	18.26						
	Eltek Co., Ltd	35.78						
Scope 2 (Market based) Category 2: Indirect GHG Emission from purchased electricity	**Total**	**36,571.57**						**36,571.57**
	DET1	3,604.64						
	DET3	2,647.61						
	WHC1	308.94						
	WHC2	340.43						
	WHC3	2,038.94						
	DET5	13,577.24						
	DET6	4,062.83						
	DET7	9,766.44						
	DET8&9	198.96						
	DGiT	7.01						
	Eltek Co., Ltd.	18.54						
Scope 3 Category 3: Indirect GHG Emission from transportation	**Total**	**108,988.46**						**109,988.46**
	DET	108,969.42						
	DGIT	19.04						
Scope 3 Category 5: Indirect GHG Emission from Downstream Leased Assets (Electricity from EV Charger Use)	**Total**	0						**0.00**
Total Gross Controlled Emissions (Location based)		**81,290.35**	**871.09**	**4.55**	**504.90**	**0**	**0**	**191,659.35**
Total Gross Controlled Emissions (Market based)		**36,817.75**	**871.09**	**4.55**	**504.90**	**0**	**0**	**147,186.74**

Note: Greenhouse Gas Emissions Rate follows Global Warming Potential from IPPC AR6 Version 2.0, Updated Aug 7, 2024

Australia

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tonnes CO_2e
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	**Total**	**88.46**						**88.46**
	Delta Electronics (Australia) Pty.,Ltd	83.28						83.28
	March Networks (Australia) Pty., Ltd.	5.18						5.18
Scope 2 (Market based) Category 2: Indirect GHG Emission from purchased electricity	**Total**	**11.67**						**11.67**
	Delta Electronics (Australia) Pty.,Ltd	6.49						6.49
	March Networks (Australia) Pty., Ltd.	5.18						5.18
Total Gross Controlled Emissions (Location based)		**88.46**						**88.46**
Total Gross Controlled Emissions (Market based)		**11.67**						**11.67**

Myanmar

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tonnes CO_2e
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	Delta Electronics (Myanmar) Co., Ltd	4.83						4.83
Total Gross Controlled Emissions (Location based)		**4.83**						**4.83**
Total Gross Controlled Emissions (Market based)		**4.83**						**4.83**

Malaysia

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tonnes CO_2e
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	**Total**	**21.13**						**21.13**
	ELTEK POWER (MALAYSIA) SDN. BHD.	12.50						12.50
	Universal Instruments Corporation	8.63						8.63
Total Gross Controlled Emissions (Location based)		**21.13**						**21.13**
Total Gross Controlled Emissions (Market based)		**21.13**						**21.13**

Vietnam

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tonnes CO_2e
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	Delta Electronics (Vietnam) Co., Ltd.	9.41						9.41
Total Gross Controlled Emissions (Location based)		**9.41**						**9.41**
Total Gross Controlled Emissions (Market based)		**9.41**						**9.41**

Philippines

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tonnes CO_2e
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	ELTEK POWER INCORPORATED	5.94						5.94
Total Gross Controlled Emissions (Location based)		**5.94**						**5.94**
Total Gross Controlled Emissions (Market based)		**5.94**						**5.94**

Singapore

Type of Emissions	Area	CO_2	CH_4*	N_2O*	HFCs*	PFCs*	SF_6*	Tones CO_2e
Scope 2 (Location based) Category 2: Indirect GHG Emission from purchased electricity	Delta Electronics Int'l (Singapore) Pte., Ltd.	**164.38**						**164.30**
Scope 2 (Market based) Category 2: Indirect GHG Emission from purchased electricity	Delta Electronics Int'l (Singapore) Pte., Ltd.	**0**						**0**
Scope 3 Category 5: Indirect GHG Emission from Downstream Leased Assets (Electricity for EV Chargers Use)	Delta Electronics Int'l (Singapore) Pte., Ltd.	111.87						111.87
Total Gross Controlled Emissions (Location based)		**276.24**						**276.24**
Total Gross Controlled Emissions (Market based)		**111.87**						**111.87**

3.4 Data Collection Quantification of Methodologies

The next table is shown the details of the sources, the relevant data, and the emission factors, which have been used. All factors have been approved by DET. The amount of CO_2e has been calculated by multiplying the activity data sources by DET by the relevant emission factors. As this is the first year that DET has produced these figures, there are no changes in methodology to report.

Emission or Removal Sources	Data Unit	Emission Factors [kgGHG / unit]	Global Warming Potential [GWP100]	Factor Sources
Electricity - Location-based: Local grid mix - Market-based: (Local grid mix - Unbundle Energy Attribute Certificates (REC))	kWh	CO_2e = 0.4999	CO_2e = 1.00	TGO Database updated April, 2022 with reference Thai National LCI Database, TIISMTEC-NSTDA, AR5 (with TGO electricity 2016-2018)
Diesel (Stationery Combustion)	Liter	CO_2 = 2.70 CH_4 = 0.000109 N_2O = 0.0000219 CO_2e = 2.7078	CO_2 = 1.00 $CH_{4\text{-non-fossil}}$ = 27.0 N_2O = 273 CO_2e = 1.00	
Diesel (Mobile Combustion - On road)	Liter	CO_2 = 2.70 CH_4 = 0.000142 N_2O = 0.000142 CO_2e = 2.7406	CO_2 = 1.00 $CH_{4\text{-non-fossil}}$ = 27.0 N_2O = 273 CO_2e = 1.00	
Diesel (Mobile Combustion - Off road-Industry)	Liter	CO_2 = 2.18 CH_4 = 0.000151 N_2O = 0.00104 CO_2e = 2.9793	CO_2 = 1.00 $CH_{4\text{-non-fossil}}$ = 27.0 N_2O = 273 CO_2e = 1.00	Emission Factor: - TGO Database updated April, 2022 with reference to IPCC Vol.2 table 2.2, 3.2.1, 3.2.2, DEDE, AR5 GWP - IPCC AR6 Global Warming Potential Values, Version 2.0, Updated Aug 7, 2024
Gasoline (Mobile Combustion)	Liter	CO_2 = 2.18 CH_4 = 0.00104 N_2O = 0.000101 CO_2e = 2.2394	CO_2 = 1.00 $CH_{4\text{-non-fossil}}$ = 27.0 N_2O = 273 CO_2e = 1.00	
LPG (Stationery Combustion)	kg	CO_2 = 3.11 CH_4 = 0.0000493 N_2O = 0.00000493 CO_2e = 3.1134	CO_2 = 1.00 $CH_{4\text{-non-fossil}}$ = 27.0 N_2O = 273 CO_2e = 1.00	
LPG (Mobile Combustion)	kg	CO_2 = 3.11 CH_4 = 0.00306 N_2O = 0.00000986 CO_2e = 3.2049	CO_2 = 1.00 $CH_{4\text{-non-fossil}}$ = 27.0 N_2O = 273 CO_2e = 1.00	
Truck 10 wheels / B5 / 16 tons (0% load)	km	CO_2e = 0.6053	CO_2e = 1.00	
Truck 10 wheels / B5 / 16 tons (100% load)	Ton-km	CO_2e = 0.0489	CO_2e = 1.00	TGO Database updated July, 2022 with reference Thai National LCI Database,TIIS-MTEC-NSTDA (with TGO electricity 2016-2018)
Truck 6 wheels / B5 / 11 tons (0% load)	km	CO_2e = 0.4923	CO_2e = 1.00	
Truck 6 wheels / B5 / 11 tons (100% load)	Ton-km	CO_2e = 0.0613	CO_2e = 1.00	
Pick-up 4 wheels / 7 tons (0% load)	km	CO_2e = 0.3131	CO_2e = 1.00	
Pick-up 4 wheels / 7 tons (100% load)	Ton-km	CO_2e = 0.1411	CO_2e = 1.00	
Ship Container	Ton-km	CO_2e = 0.0107	CO_2e = 1.00	TGO Database updated July, 2022 with reference Ecoinvent 2.2, IPCC 2007 GWP 100a
Air Freight (Outbound)	Ton-km	CO_2e = 0.53867	CO_2e = 1.00	GOV.UK Greenhouse gas reporting: Conversion factors 2022 condensed set (for most users)
Sea (In Land)	Ton-km	CO_2e = 0.0107	CO_2e = 1.00	TGO Database updated July, 2022 with reference Thai National LCI Database,TIIS-MTEC-NSTDA (with TGO electricity 2016-2018)
Refrigerant (HCFC22 or R22) Refrigerant (HFC134a or R134a) Refrigerant (HFC404a or R404a) Refrigerant (HFC23 or R23) Refrigerant (HFC407c or R407c) Refrigerant (HFC410a or R410a) Refrigerant (HFC32 or R32) Refrigerant (HFO514 or R514) Fire Extinguisher (HFC227ea or FM200)	kg	CO_2e = 1.00	HCFC22 = 1,960.00 HFC134a = 1,530.00 HFC404A = 4,728.00 HFC23 = 14,600.00 HFC407c = 1,907.93 HFC410a = 2,255.50 HFC32 = 771.00 HFO514A = 2.00 HFC227ea = 3,600.00 HFC1234ze(E) = 1.37	IPCC AR6 Global Warming Potential Values, Version 2.0, Updated Aug 7, 2024.
Circuit Breaker (SF_6)	kg	CO_2e = 1.00	SF_6 = 24,300.00	
Waste (Paper)	kg	CO_2e = 2.93	CO_2e = 1.00	CFP Guideline; 3rd Edition
Waste Water (Industrial)	m^3	CO_2e = 0	CO_2e = 1.00	IPCC Volume 5 : Wastewater Treatment and Discharge
Waste Water (Domestic)	m^3	CO_2e = 1.00	$CH_{4\text{-non-fossil}}$ = 27.0	IPCC AR6 Global Warming Potential Values, Version 2.0, Updated Aug 7, 2024

3.5 References for Emission Factors

- CO_2 Emission Factor Sourced from: Thailand National Data Base
- CO_2 Emission Factor Sourced from: Electricity Generating Authority of Thailand (EGAT) 2011
- CO_2 Emission Factor Sourced from: GOV.UK - Greenhouse gas reporting: conversion factors 2022 condensed set (for most users)
- ISO14064-1 GHG Part 1: Specification for Quantification, Monitoring and Reporting of Entity Emissions and Removal
- Google Map (http://map.google.co.th/maps?hl=th&tab=wl)
- ISO14040 Environmental Management – Life Cycle Assessment – Principles and Framework
- ISO14044 Environmental Management – Life Cycle Assessment – Requirements and Guidelines
- Carbon Footprint Product Guideline (TGO) – February 2020
- Carbon Footprint Organization Guideline (TGO) – April 2020
- Carbon Footprint Organization Guideline (TGO) – April 2021
- AA1000: A Standard for Ethical Performance
- PAS2050: Assessing the Life Cycle Greenhouse Gas Emissions of Goods & Services
- ISO26000: Guidance on Social Responsibility
- IPCC Volume 5: Wastewater Treatment and Discharge
- The Global Warming Potential (GWP) Sourced from: IPCC AR6 Global Warming Potential Values, Version 2.0, Updated Aug 7, 2024.

- http://www.searates.com/reference/portdistance
- http://www.timeanddate.com/
- https://www.prokerala.com/travel/airports/distance/
- http://ports.com/sea-route

3.6 Uncertainty Management

This Greenhouse Gas Inventory report has been assessed and evaluated the uncertainty rating. The rating is 24 points which focus on Electricity consumption (98% of Greenhouse Gas Inventory). The rating is 18 points which focus on Transportation system (Company's car and van). The rating is 16 points which focus on Septic Tank (Domestic Wastewater). The rating is 12 points which focus on Fire Fighting System, Diesel used in Electricity Backup System, Refrigerant, LPG used in Welding & Injection Process and Transportation for Sale Activities which has been shown the activity data is moderated data quality which comes from the regular measurement eq. Meter Reading, Purchase Order, etc.; and Emission factors is uncertainty of data quality which comes from Manufacturer to provide coefficient. And the rating is 6 points which focus on Transportation system (Forklift).

Explanation: Greenhouse Gas Inventory and the estimated operation itself on the scientific uncertainty, to achieve the purpose of continuous improvement of data quality, therefore, uncertainty is evaluated. IPCC uncertainty is used in more complex calculation. DET adapts Delta Group Guideline for the model of uncertainty which provided by the way of class distinction specify below.

The uncertainty of inventory operations can be divided into model uncertainty and parameter uncertainty. Since the pattern is more complex uncertainty, therefore, not be included in this assessment of the range of uncertainty. Parameter uncertainty refers to the uncertainty of quantitative parameters. Activity data and Emission factors include the uncertainty of activity data differentiate the following 3 levels:

- Automatic Continuous Measurement
- Regular Measurement (Meter reading, Purchase order)
- Own Estimation

Note: Order of score is 6-1; the higher score the better the response data, the lower score the uncertainty; will Emission Factors in 6 categories:

- Measurement / Material and Energy balance coefficient
- Manufacturer to provide coefficient
- Regional Emission Factors
- National Emission Factors
- International Emission Factors

Value Type	Data Quality Level		
Activity Data	**X=6-5 Points**	**Y=4-3 Points**	**Z=2-1 Points**
	Automatic Continuous Measurement	Regular Measurement (Meter Reading, Purchase Order)	Own Estimation
Emission Factors	**A=6-5 Points**	**B=4-3 Points**	**C=2-1 Points**
	- From Measurement / Quality Factor - Manufacturer to provide coefficient	- Regional Emission Factors - National Emission Factors	International Emission Factors

The qualitative analysis of uncertainty assessment method adopted, in the following table will be divided into 6 overall data quality as the following table:

Rating	Overall Level of Scoring Data	Explanation
First Class	1 - 9	High uncertainty, Data quality is very poor.
Second Class	10 - 18	Uncertainty, Moderate data quality.
Third Class	19 - 27	Slightly uncertainty, Data quality is good.
Fourth Class	28 - 36	Uncertainty is very low, Excellent data quality.

3.7 Compare GHG with Base year

DET use electricity as a main power and fuel to operate our business. These are non-renewable energy sources and lead to GHG emissions in Scope 1 and 2.

SBTi: 2°C SBT Target

DET has set the target to reduce Scope 1 and 2 GHG emissions 56.6% per MUSD output value by 2025 from a 2014 base year. The latest statistics shows that the direct emissions (Scope 1 - Category 1) of 2024 were 1,626.71 tCO_2e, indirect emissions (Scope 2 – Category 2) were 81,338.33 tCO_2e for location-based and 36,624.56 tCO_2e for market-based and other indirect emissions (Scope 3 – Category 3, 4, 5 and 6) were 109,081.88 tCO_2e separately, that mean the GHG intensity (Thailand's sites) of 2024 (scope1 and 2) was 20.79 tCO_2e/MUSD for location-based and 9.59 tCO_2e/MUSD for market-based. This represents a 48% and 76% reduction for location-based and market-based emissions, respectively, from our base year of 2014, and a 5% and 24% decrease, respectively, from 2023.

SBTi: Net-Zero SBT

DET has set a target to achieve a 90% reduction in GHG emissions for Scope 1 and 2 by 2030, compared to 2021, and a 25% reduction in Scope 3 emissions compared to 2021. Additionally, DET aims for a 90% reduction in net-zero science-based targets for Scope 1, 2, and 3 by 2050, using 2021 as the base year.

The latest statistics show that the direct emissions (Scope 1 - Category 1) for 2024 were 1,626.71 tCO_2e, indirect emissions (Scope 2 – Category 2) were 81,338.33 tCO_2e for location-based and 36,624.56 tCO_2e for market-based, and other indirect emissions (Scope 3 – Categories 3, 4, 5, and 6) were 109,081.88 tCO_2e. This means that the total GHG emissions for 2024 (Scope 1 and 2) were 82,965.04 tCO_2e for location-based emissions and 38,251.27 tCO_2e for market-based emissions.

This represents a 26% reduction in Scope 1 and 2 emissions for market-based categories and a 14% reduction in Scope 3 emissions from our 2021 base year. Similarly, Scope 1, 2, and 3 emissions decreased by 18% compared to our 2021 base year

For GHG scope 3, major global distribution centers cooperate with logistics providers to implement transportation cost optimization, consolidated delivery, full-truck load, packaging design, container packaging and selection of optimal delivery routes. Since Delta attained ISO/IEC 27001 Information Security Management System (ISMS), we encourage our suppliers to utilized e-invoice and e-document as much as possible to save natural resource and mitigate greenhouse gas from distance transportation.

To respond to the circumstances of climate change and align with the target 56.6% of decreasing Scope 1 and 2 GHG emission intensity by 2025. DET has been participating and registering in T-VER since 2014. There are total 8 projects had been registered in T-VER and it is proximately accredited 5,600 tonsCO_2e carbon credits that had been reduced from those projects. Additionally, the Delta Group (Delta Electronics, Inc. and its subsidiaries, including Delta Electronics (Thailand) PCL) has joined RE100, a global initiative that brings together the world's most influential businesses committed to 100% renewable electricity. DET has set a target to achieve total renewable energy usage (RE100) by reaching a 60% renewable energy usage ratio by 2025 and progressively increasing this to 100% by 2030. The company also aims to achieve carbon neutrality by 2030 and continues to focus on GHG reduction, with the ultimate goal of achieving net-zero emissions by 2050 compared to the 2021 base year.

4. Future Opportunity

4.1 Performance Overview and Monitoring

DET shall review the future targets and ensure the remain appropriate for the business and industry, therefore continuous to drive DET's performances and associated management reward by planning, implementing and documenting the actions; to monitor Greenhouse Gas Inventory through the meeting to maintain GHG information management quality and; to reduce or prevent Greenhouse Gas Emissions which is apart of Energy Saving project.

The target information is base on estimates and assumptions that are subject to significant inherent uncertainties, which may be difficult to predict and may be beyond control. As with most forward looking information, there can be no assurance that targets will be realized.

4.2 Greenhouse Gas Reduction and Removal

DET will have a management plan in place for managing and reducing emissions by early 2014 with the aim to be carbon emissions reduction by the end of 2025. DET reflects to the Energy Saving Action Plan to reduce the scope 1 and scope 2 by 56.6% per million USD output value (a measurement of product sale price x production quantity) based on 2014 actual by 2025. Additionally, DET will implement a plan to transition company fleets to EVs and increase the use of electricity from renewable energy sources in its operations to achieve a 90% reduction in GHG emissions for Scope 1 and 2 by 2030, compared to 2021, and a 25% reduction in Scope 3 emissions, also compared to 2021. The company continues to work toward the ultimate goal of achieving net-zero emissions by 2050, using 2021 as the base year.

5. Reference

5.1 Unbundle Energy Attribute Certificates (EACs): I-RECs

Thailand

Delta Electronics Thailand PCL. – DET1

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	A J TECHNOLOGY Co.,Ltd.,	Thailand	Solar	2013-06-25	0000-0220-3720-8730.000000	0000-0220-3720-9157.399999	2024-01-01 - 2024-01-31	1,131.00
	Solar Power (Khon Kaen 1) Co., Ltd.			2012-02-15	0000-0220-3675-1111.680000	0000-0220-3675-1815.279999	2024-01-01 - 2024-01-31	
2024-02-01 - 2024-02-29	Solar Power (Khon Kaen 8) Co., Ltd. ,	Thailand	Solar	2013-01-18	0000-0220-3738-5438.000000	0000-0220-3738-5614.239999	2024-01-01 - 2024-01-31	1,097.00
	Solar Power (Khon Kaen 9) Co., Ltd,			2014-05-20	0000-0220-3718-6544.000000	0000-0220-3718-7365.839999	2024-01-01 - 2024-01-31	
	Solar Power (Khon Kaen 10) Co., Ltd.			2014-05-20	0000-0220-3737-2947.760000	0000-0220-3737-3046.679999	2024-01-01 - 2024-01-31	
2024-03-01 - 2024-03-31	Solar Power (Korat 6) Co.,Ltd. ,	Thailand	Solar	2013-06-26	0000-0220-3719-1119.000000	0000-0220-3719-1771.039999	2024-01-01 - 2024-01-31	1,021.00
	Solar Power (Korat 7) Co.,Ltd.			2012-05-30	0000-0220-3735-9351.440000	0000-0220-3735-9720.399999	2024-01-01 - 2024-01-31	
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-4189.000000	0000-0220-5986-5205.999999	2024-01-01 - 2024-03-31	1,017.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-8177.000000	0000-0220-5985-9175.999999	2024-01-01 - 2024-03-31	999.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-2273.000000	0000-0220-5985-3253.999999	2024-01-01 - 2024-03-31	981.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5265-9996.000000	0000-0219-5266-0962.999999	2024-02-01 - 2024-02-19	967.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-7409.000000	0000-0219-5266-8375.999999	2024-02-01 - 2024-02-19	967.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-8733.051613	0000-0219-5209-9700.051612	2024-01-04 - 2024-01-31	967.00

Delta Electronics Thailand PCL. – DET1

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-10-01 - 2024-10-31	Solar Power (Loei1) Co.,Ltd.,	Thailand	Solar	2011-09-15	0000-0222-1499-1856.000000	0000-0222-1499-2695.919999	2024-02-01 - 2024-02-29	969.00
	A J TECHNOLOGY Co.,Ltd.			2013-06-25	0000-0222-1499-0640.000000	0000-0222-1499-0769.079999	2024-02-01 - 2024-02-29	
2024-11-01 - 2024-11-30	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0221-8335-6065.000000	0000-0221-8335-6863.959999	2024-03-01 - 2024-03-31	992.00
	Solar Power (Khon Kaen 6) Co., Ltd.			2014-05-30	0000-0221-8334-2061.000000	0000-0221-8334-2254.039999	2024-03-01 - 2024-03-31	
2024-12-01 - 2024-12-31	Solar Power (Udon Thani 1)Co., Ltd.	Thailand	Solar	2014-04-01	0000-0222-1812-0469.000000	0000-0222-1812-1125.170999	2024-10-01 - 2024-10-31	1,041.00
	Solar Power (Korat 2) Co., Ltd.			2011-09-13	0000-0222-1828-9696.000000	0000-0222-1829-0080.828999	2024-10-01 - 2024-10-31	

Delta Electronics Thailand PCL. – DET3

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 1) Co., Ltd.	Thailand	Solar	2012-02-15	0000-0220-3675-0952.000000	0000-0220-3675-1111.679999	2024-01-01 - 2024-01-31	597.00
	Solar Power (Khon Kaen 2) Co., Ltd.			2013-07-29	0000-0220-3675-4875.280000	0000-0220-3675-5312.599999	2024-01-01 - 2024-01-31	
2024-02-01 - 2024-02-29	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0220-3737-2384.760000	0000-0220-3737-2947.759999	2024-01-01 - 2024-01-31	563.00
2024-03-01 - 2024-03-31	Solar Power (Korat 7) Co., Ltd.	Thailand	Solar	2012-05-30	0000-0220-3735-8864.440000	0000-0220-3735-9351.439999	2024-01-01 - 2024-01-31	487.00
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-3706.000000	0000-0220-5986-4188.999999	2024-01-01 - 2024-03-31	483.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-7712.000000	0000-0220-5985-8176.999999	2024-01-01 - 2024-03-31	465.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-1826.000000	0000-0220-5985-2272.999999	2024-01-01 - 2024-03-31	447.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-0963.000000	0000-0219-5266-1395.999999	2024-02-01 - 2024-02-19	433.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-8376.000000	0000-0219-5266-8808.999999	2024-02-01 - 2024-02-19	433.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-9700.051613	0000-0219-5210-0133.051612	2024-01-04 - 2024-01-31	433.00
2024-10-01 - 2024-10-31	Solar Power (Nakorn Phanom 1) Co.,Ltd.	Thailand	Solar	2011-04-22	0000-0222-1505-0600.000000	0000-0222-1505-0744.199999	2024-02-01 - 2024-02-29	435.00
	A J TECHNOLOGY Co.,Ltd.,			2013-06-25	0000-0222-1499-0769.080000	0000-0222-1499-1059.879999	2024-02-01 - 2024-02-29	
2024-11-01 - 2024-11-30	Solar Power (Khon Kaen 3) Co., Ltd.	Thailand	Solar	2013-01-17	0000-0221-8333-2472.000000	0000-0221-8333-2929.999999	2024-03-01 - 2024-03-31	458.00
2024-12-01 - 2024-12-31	Solar Power (Korat 2) Co., Ltd.	Thailand	Solar	2011-09-13	0000-0222-1829-0080.829000	0000-0222-1829-0587.828999	2024-10-01 - 2024-10-31	507.00

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Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 7) Co., Ltd.	Thailand	Solar	2013-10-01	0000-0220-3717-7087.000000	0000-0220-3717-7131.999999	2024-01-01 - 2024-01-31	45.00
2024-02-01 - 2024-02-29	Solar Power (Korat 5) Co., Ltd.	Thailand	Solar	2013-01-15	0000-0220-3735-9784.000000	0000-0220-3735-9828.999999	2024-01-01 - 2024-01-31	45.00
2024-03-01 - 2024-03-31	Solar Power (Nakorn Phanom 1) Co.,Ltd.	Thailand	Solar	2011-04-22	0000-0220-3719-2789.000000	0000-0220-3719-2833.999999	2024-01-01 - 2024-01-31	45.00
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-9577.000000	0000-0220-5985-9621.999999	2024-01-01 - 2024-03-31	45.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-3637.000000	0000-0220-5985-3681.999999	2024-01-01 - 2024-03-31	45.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-7805.000000	0000-0220-5984-7849.999999	2024-01-01 - 2024-03-31	45.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-5330.000000	0000-0219-5266-5374.999999	2024-02-01 - 2024-02-19	45.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-6654.051613	0000-0219-5209-6699.051612	2024-01-04 - 2024-01-31	45.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5210-4067.051613	0000-0219-5210-4112.051612	2024-01-04 - 2024-01-31	45.00
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 4) Co., Ltd.	Thailand	Solar	2013-01-17	0000-0221-8333-8540.320000	0000-0221-8333-8585.319999	2024-03-01 - 2024-03-31	45.00
2024-11-01 - 2024-11-30	Solar Power (Bureerum 1) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-3269.000000	0000-0222-1812-3313.999999	2024-10-01 - 2024-10-31	45.00
2024-12-01 - 2024-12-31	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0222-1812-8180.308000	0000-0222-1812-8225.307999	2024-10-01 - 2024-10-31	45.00

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Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 7) Co., Ltd.	Thailand	Solar	2013-10-01	0000-0220-3717-7024.000000	0000-0220-3717-7086.999999	2024-01-01 - 2024-01-31	63.00
2024-02-01 - 2024-02-29	Solar Power (Korat 5) Co., Ltd.	Thailand	Solar	2013-01-15	0000-0220-3735-9721.000000	0000-0220-3735-9783.999999	2024-01-01 - 2024-01-31	63.00
2024-03-01 - 2024-03-31	Solar Power (Nakorn Phanom 1) Co.,Ltd.	Thailand	Solar	2011-04-22	0000-0220-3719-2726.000000	0000-0220-3719-2788.999999	2024-01-01 - 2024-01-31	63.00
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-9514.000000	0000-0220-5985-9576.999999	2024-01-01 - 2024-03-31	63.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-3574.000000	0000-0220-5985-3636.999999	2024-01-01 - 2024-03-31	63.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-7742.000000	0000-0220-5984-7804.999999	2024-01-01 - 2024-03-31	63.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-5375.000000	0000-0219-5266-5437.999999	2024-02-01 - 2024-02-19	63.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-6699.051613	0000-0219-5209-6762.051612	2024-01-04 - 2024-01-31	63.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5210-4112.051613	0000-0219-5210-4175.051612	2024-01-04 - 2024-01-31	63.00
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 4) Co., Ltd.	Thailand	Solar	2013-01-17	0000-0221-8333-8585.320000	0000-0221-8333-8648.319999	2024-03-01 - 2024-03-31	63.00
2024-11-01 - 2024-11-30	Solar Power (Bureerum 1) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-3314.000000	0000-0222-1812-3376.999999	2024-10-01 - 2024-10-31	63.00
2024-12-01 - 2024-12-31	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0222-1812-8225.308000	0000-0222-1812-8288.307999	2024-10-01 - 2024-10-31	63.00

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Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Nakorn Phanom 3) Co., Ltd.	Thailand	Solar	2014-03-10	0000-0220-3719-4184.000000	0000-0220-3719-4630.999999	2024-01-01 - 2024-01-31	447.00
2024-02-01 - 2024-02-29	Solar Power (Nakorn Phanom 3) Co., Ltd.	Thailand	Solar	2014-03-10	0000-0220-3719-3881.000000	0000-0220-3719-4183.999999	2024-01-01 - 2024-01-31	413.00
	Solar Power (Khon Kaen 7) Co., Ltd.		Solar	2013-10-01	0000-0220-3717-6914.000000	0000-0220-3717-7023.999999	2024-01-01 - 2024-01-31	
2024-03-01 - 2024-03-31	Solar Power (Khon Kaen 7) Co., Ltd.	Thailand	Solar	2013-10-01	0000-0220-3717-6629.000000	0000-0220-3717-6913.999999	2024-01-01 - 2024-01-31	337.00
	Solar Power (Khon Kaen 8) Co., Ltd.		Solar	2013-01-18	0000-0220-3738-5386.000000	0000-0220-3738-5437.999999	2024-01-01 - 2024-01-31	
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-9181.000000	0000-0220-5985-9513.999999	2024-01-01 - 2024-03-31	333.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-3259.000000	0000-0220-5985-3573.999999	2024-01-01 - 2024-03-31	315.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-7445.000000	0000-0220-5984-7741.999999	2024-01-01 - 2024-03-31	297.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-5438.000000	0000-0219-5266-5720.999999	2024-02-01 - 2024-02-19	283.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-6762.051613	0000-0219-5209-7045.051612	2024-01-04 - 2024-01-31	283.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5210-4175.051613	0000-0219-5210-4343.851612	2024-01-04 - 2024-01-31	283.00
					0000-0219-5267-1276.000000	0000-0219-5267-1390.199999	2024-02-01 - 2024-02-19	
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 4) Co., Ltd.	Thailand	Solar	2013-01-17	0000-0221-8333-8648.320000	0000-0221-8333-8933.319999	2024-03-01 - 2024-03-31	285.00
2024-11-01 - 2024-11-30	Solar Power (Bureerum 1) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-3377.000000	0000-0222-1812-3684.999999	2024-10-01 - 2024-10-31	308.00
2024-12-01 - 2024-12-31	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0222-1812-8288.308000	0000-0222-1812-8645.307999	2024-10-01 - 2024-10-31	357.00

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Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 2) Co., Ltd.	Thailand	Solar	2013-07-29	0000-0220-3675-4379.000000	0000-0220-3675-4875.279999	2024-01-01 - 2024-01-31	2,231.00
	Solar Power (Khon Kaen 3) Co., Ltd.			2013-01-17	0000-0220-3738-2166.000000	0000-0220-3738-3006.799999	2024-01-01 - 2024-01-31	
	Solar Power (Khon Kaen 4) Co., Ltd.			2013-01-17	0000-0220-3737-3992.000000	0000-0220-3737-4849.039999	2024-01-01 - 2024-01-31	
	Solar Power (Khon Kaen 5) Co., Ltd.			2013-01-18	0000-0220-3737-3954.600000	0000-0220-3737-3991.479999	2024-01-01 - 2024-01-31	
2024-02-01 - 2024-02-29	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0220-3737-2189.000000	0000-0220-3737-2384.759999	2024-01-01 - 2024-01-31	2,197.00
	Solar Power (Korat 1) Co., Ltd.			2010-04-21	0000-0220-3737-1211.000000	0000-0220-3737-2188.359999	2024-01-01 - 2024-01-31	
	Solar Power (Korat 2) Co., Ltd.			2011-09-13	0000-0220-3718-9904.000000	0000-0220-3719-0906.559999	2024-01-01 - 2024-01-31	
	Solar Power (Korat 3) Co., Ltd.			2012-03-09	0000-0220-3736-9749.480000	0000-0220-3736-9770.799999	2024-01-01 - 2024-01-31	
2024-03-01 - 2024-03-31	Solar Power (Korat 7) Co., Ltd.	Thailand	Solar	2012-05-30	0000-0220-3735-8784.000000	0000-0220-3735-8864.439999	2024-01-01 - 2024-01-31	2,121.00
	Solar Power (Korat 8) Co., Ltd.			2013-01-15	0000-0220-3735-7797.000000	0000-0220-3735-8783.719999	2024-01-01 - 2024-01-31	
	Solar Power (Korat 9) Co., Ltd.			2013-01-16	0000-0220-3735-5421.000000	0000-0220-3735-6335.479999	2024-01-01 - 2024-01-31	
	Solar Power (Loei1) Co., Ltd.			2011-09-15	0000-0220-3735-5280.960000	0000-0220-3735-5420.319999	2024-01-01 - 2024-01-31	
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-1589.000000	0000-0220-5986-3705.999999	2024-01-01 - 2024-03-31	2,117.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-5613.000000	0000-0220-5985-7711.999999	2024-01-01 - 2024-03-31	2,099.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-9745.000000	0000-0220-5985-1825.999999	2024-01-01 - 2024-03-31	2,081.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-1396.000000	0000-0219-5266-3462.999999	2024-02-01 - 2024-02-19	2,067.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-8809.000000	0000-0219-5267-0875.999999	2024-02-01 - 2024-02-19	2,067.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5210-0133.051613	0000-0219-5210-2200.051612	2024-01-04 - 2024-01-31	2,067.00

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Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 5) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0221-8334-1535.000000	0000-0221-8334-1658.439999	2024-03-01 - 2024-03-31	2,069.00
	Solar Power (Nakorn Phanom 1) Co.,Ltd.			2011-04-22	0000-0222-1505-0744.200000	0000-0222-1505-1507.679999	2024-02-01 - 2024-02-29	
	Solar Power (Khon Kaen 6) Co., Ltd.			2014-05-30	0000-0221-5716-5777.040000	0000-0221-5716-6054.319999	2024-02-01 - 2024-02-29	
	Solar Power (Nong Kai 1) Co., Ltd.			2014-02-28	0000-0222-1499-3595.000000	0000-0222-1499-4499.799999	2024-02-01 - 2024-02-29	
2024-11-01 - 2024-11-30	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0221-8335-6863.960000	0000-0221-8335-6909.679999	2024-03-01 - 2024-03-31	2,092.00
	Solar Power (Khon Kaen 9) Co., Ltd.			2014-05-20	0000-0221-8335-5191.000000	0000-0221-8335-6050.199999	2024-03-01 - 2024-03-31	
	Solar Power (Khon Kaen 3) Co., Ltd.			2013-01-17	0000-0221-8333-2930.000000	0000-0221-8333-3289.599999	2024-03-01 - 2024-03-31	
	Solar Power (Khon Kaen 2) Co., Ltd.			2013-07-29	0000-0221-8327-2270.000000	0000-0221-8327-3097.479999	2024-03-01 - 2024-03-31	
2024-12-01 - 2024-12-31	Solar Power (Korat 8) Co., Ltd.	Thailand	Solar	2013-01-15	0000-0222-1828-3898.000000	0000-0222-1828-4013.994999	2024-10-01 - 2024-10-31	2,141.00
	Solar Power (Khon Kaen 9) Co., Ltd.			2014-05-20	0000-0222-1812-8969.000000	0000-0222-1812-9876.759999	2024-10-01 - 2024-10-31	
	Solar Power (Korat 2) Co., Ltd.			2011-09-13	0000-0222-1829-0587.829000	0000-0222-1829-0689.439999	2024-10-01 - 2024-10-31	
	Solar Power (Nakorn Phanom 3) Co., Ltd.			2014-03-10	0000-0222-1812-5058.000000	0000-0222-1812-6073.633999	2024-10-01 - 2024-10-31	

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Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 6) Co., Ltd.	Thailand	Solar	2014-05-30	0000-0220-3676-8774.120000	0000-0220-3676-9338.119999	2024-01-01 - 2024-01-31	564.00
2024-02-01 - 2024-02-29	Solar Power (Korat 3) Co., Ltd.	Thailand	Solar	2012-03-09	0000-0220-3736-9219.480000	0000-0220-3736-9749.479999	2024-01-01 - 2024-01-31	530.00
2024-03-01 - 2024-03-31	Solar Power (Loei1) Co., Ltd.	Thailand	Solar	2011-09-15	0000-0220-3735-4826.960000	0000-0220-3735-5280.959999	2024-01-01 - 2024-01-31	454.00
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-1139.000000	0000-0220-5986-1588.999999	2024-01-01 - 2024-03-31	450.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-5181.000000	0000-0220-5985-5612.999999	2024-01-01 - 2024-03-31	432.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-9331.000000	0000-0220-5984-9744.999999	2024-01-01 - 2024-03-31	414.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-3463.000000	0000-0219-5266-3862.999999	2024-02-01 - 2024-02-19	400.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5267-0876.000000	0000-0219-5267-1275.999999	2024-02-01 - 2024-02-19	400.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5210-2200.051613	0000-0219-5210-2600.051612	2024-01-04 - 2024-01-31	400.00
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 5) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0221-8334-1658.440000	0000-0221-8334-2060.439999	2024-03-01 - 2024-03-31	402.00
2024-11-01 - 2024-11-30	Solar Power (Khon Kaen 8) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0221-8334-7522.000000	0000-0221-8334-7869.839999	2024-03-01 - 2024-03-31	425.00
	Solar Power (Khon Kaen 2) Co., Ltd.			2013-07-29	0000-0221-8327-3097.480000	0000-0221-8327-3174.639999	2024-03-01 - 2024-03-31	
2024-12-01 - 2024-12-31	Solar Power (Khon Kaen 8) Co., Ltd.	Thailand	Solar	2013-01-15	0000-0222-1828-4013.995000	0000-0222-1828-4487.994999	2024-10-01 - 2024-10-31	474.00

Delta Electronics Thailand PCL. – DET7

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 5) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0220-3737-3047.000000	0000-0220-3737-3954.599999	2024-01-01 - 2024-01-31	1,631.00
	Solar Power (Khon Kaen 6) Co., Ltd.			2014-05-30	0000-0220-3676-8439.000000	0000-0220-3676-8774.119999	2024-01-01 - 2024-01-31	
	Solar Power (Khon Kaen 7) Co., Ltd.			2013-10-01	0000-0220-3717-7132.000000	0000-0220-3717-7520.279999	2024-01-01 - 2024-01-31	
2024-02-01 - 2024-02-29	Solar Power (Korat 3) Co., Ltd.	Thailand	Solar	2012-03-09	0000-0220-3736-8814.000000	0000-0220-3736-9219.479999	2024-01-01 - 2024-01-31	1,597.00
	Solar Power (Korat 4) Co., Ltd.			2012-05-14	0000-0220-3736-0709.000000	0000-0220-3736-1646.599999	2024-01-01 - 2024-01-31	
	Solar Power (Korat 5) Co., Ltd.			2013-01-15	0000-0220-3735-9829.000000	0000-0220-3736-0082.919999	2024-01-01 - 2024-01-31	
2024-03-01 - 2024-03-31	Solar Power (Loei1) Co., Ltd.	Thailand	Solar	2011-09-15	0000-0220-3735-4630.000000	0000-0220-3735-4826.959999	2024-01-01 - 2024-01-31	1,521.00
	Solar Power (Loei 2) Co., Ltd.			2014-04-24	0000-0220-3735-3900.000000	0000-0220-3735-4629.839999	2024-01-01 - 2024-01-31	
	Solar Power (Nakorn Phanom 1) Co.,Ltd.			2011-04-22	0000-0220-3719-2834.000000	0000-0220-3719-3428.199999	2024-01-01 - 2024-01-31	
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-9622.000000	0000-0220-5986-1138.999999	2024-01-01 - 2024-03-31	1,517.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-3682.000000	0000-0220-5985-5180.999999	2024-01-01 - 2024-03-31	1,499.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-7850.000000	0000-0220-5984-9330.999999	2024-01-01 - 2024-03-31	1,481.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-3863.000000	0000-0219-5266-5329.999999	2024-02-01 - 2024-02-19	1,467.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-5187.051613	0000-0219-5209-6654.051612	2024-01-04 - 2024-01-31	1,467.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5210-2600.051613	0000-0219-5210-4067.051612	2024-01-04 - 2024-01-31	1,467.00
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 4) Co., Ltd.	Thailand	Solar	2013-01-17	0000-0221-8333-8267.000000	0000-0221-8333-8540.319999	2024-03-01 - 2024-03-31	1,469.00
	Solar Power (Khon Kaen 7) Co., Ltd.			2013-10-01	0000-0221-8334-6656.000000	0000-0221-8334-7521.679999	2024-03-01 - 2024-03-31	
	Solar Power (Khon Kaen 5) Co., Ltd.			2013-01-18	0000-0221-8334-1205.000000	0000-0221-8334-1534.999999	2024-03-01 - 2024-03-31	

Delta Electronics Thailand PCL. – DET7

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-11-01 - 2024-11-30	Solar Power (Khon Kaen 2) Co., Ltd.	Thailand	Solar	2013-07-29	0000-0222-1828-1088.000000	0000-0222-1828-2022.559999	2024-10-01 - 2024-10-31	1,492.00
	Solar Power (Khon Kaen 8) Co., Ltd.			2013-01-18	0000-0221-8334-7869.840000	0000-0221-8334-8427.279999	2024-03-01 - 2024-03-31	
2024-12-01 - 2024-12-31	Solar Power (Korat 8) Co., Ltd.	Thailand	Solar	2013-01-15	0000-0222-1828-4487.995000	0000-0222-1828-4917.366999	2024-10-01 - 2024-10-31	1,541.00
	Solar Power (Surin 1) Co., Ltd.			2014-06-27	0000-0222-1811-3191.000000	0000-0222-1811-4163.319999	2024-10-01 - 2024-10-31	
	Solar Power (Khon Kaen 10) Co., Ltd.			2014-05-20	0000-0222-1812-8041.000000	0000-0222-1812-8180.307999	2024-10-01 - 2024-10-31	

Delta Electronics Thailand PCL. – DET8&9

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Nakorn Phanom 2) Co., Ltd.	Thailand	Solar	2014-02-27	0000-0220-3738-9483.000000	0000-0220-3739-0182.999999	2024-01-01 - 2024-01-31	700.00
2024-02-01 - 2024-02-29	Solar Power (Nakorn Phanom 2) Co., Ltd.	Thailand	Solar	2014-02-27	0000-0220-3738-9287.000000	0000-0220-3738-9482.999999	2024-01-01 - 2024-01-31	903.00
	Solar Power (Nakorn Phanom 3) Co., Ltd.	Thailand	Solar	2014-03-10	0000-0220-3719-4635.000000	0000-0220-3719-4886.559999	2024-01-01 - 2024-01-31	
	Solar Power (Nakorn Phanom 1) Co.,Ltd	Thailand	Solar	2011-04-22	0000-0220-3719-3428.200000	0000-0220-3719-3642.639999	2024-01-01 - 2024-01-31	
	Solar Power (Korat 6) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0220-3719-1810.960000	0000-0220-3719-2051.959999	2024-01-01 - 2024-01-31	
2024-03-01 - 2024-03-31	Solar Power (Korat 6) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0220-3719-1775.040000	0000-0220-3719-1810.959999	2024-01-01 - 2024-01-31	1,362.00
	Solar Power (Korat 5) Co., Ltd.	Thailand	Solar	2013-01-15	0000-0220-3736-0082.920000	0000-0220-3736-0708.999999	2024-01-01 - 2024-01-31	
	Solar Power (Khon Kaen 8) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0220-3738-5618.240000	0000-0220-3738-6318.239999	2024-01-01 - 2024-01-31	
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-8301.000000	0000-0220-5986-9684.999999	2024-01-01 - 2024-03-31	1,384.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-6807.000000	0000-0220-5986-8300.999999	2024-01-01 - 2024-03-31	1,494.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5986-5206.000000	0000-0220-5986-6806.999999	2024-01-01 - 2024-03-31	1,601.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-5721.000000	0000-0219-5266-7403.999999	2024-02-01 - 2024-02-19	1,683.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-7045.051613	0000-0219-5209-8728.051612	2024-01-04 - 2024-01-31	1,683.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5267-1390.200000	0000-0219-5267-2265.905171	2024-02-01 - 2024-02-19	1,683.00
					0000-0220-0009-2826.000000	0000-0220-0009-3633.294827	2024-02-20 - 2024-02-29	
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 6) Co., Ltd.	Thailand	Solar	2014-05-30	0000-0221-8334-2254.040000	0000-0221-8334-2908.039999	2024-03-01 - 2024-03-31	1,672.00
	Solar Power (Khon Kaen 1) Co., Ltd.	Thailand	Solar	2012-02-15	0000-0221-8332-9413.000000	0000-0221-8333-0221.319999	2024-03-01 - 2024-03-31	
	Solar Power (Khon Kaen 4) Co., Ltd.	Thailand	Solar	2013-01-17	0000-0221-8333-8933.320000	0000-0221-8333-9142.999999	2024-03-01 - 2024-03-31	

Delta Electronics Thailand PCL. – DET8&9

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-11-01 - 2024-11-30	Solar Power (Nakorn Phanom 2) Co., Ltd.	Thailand	Solar	2014-02-27	0000-0222-1812-6074.000000	0000-0222-1812-6778.969999	2024-10-01 - 2024-10-31	1,532.00
	Solar Power (Khon Kaen 2) Co., Ltd.	Thailand	Solar	2013-07-29	0000-0222-1828-2022.560000	0000-0222-1828-2038.920999	2024-10-01 - 2024-10-31	
	Solar Power (Bureerum 1) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-3685.000000	0000-0222-1812-4189.559999	2024-10-01 - 2024-10-31	
	Solar Power (Udon Thani 1) Co., Ltd.	Thailand	Solar	2014-04-01	0000-0222-1812-1125.171000	0000-0222-1812-1431.279999	2024-10-01 - 2024-10-31	
2024-12-01 - 2024-12-31	Solar Power (Bureerum 2) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-2352.000000	0000-0222-1812-3268.107999	2024-10-01 - 2024-10-31	1,239.00
	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0222-1812-8645.308000	0000-0222-1812-8968.199999	2024-10-01 - 2024-10-31	

Delta Green Industrial (Thailand) Co., Ltd.

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 8) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0220-3738-5616.740000	0000-0220-3738-5618.239999	2024-01-01 - 2024-01-31	1.50
2024-02-01 - 2024-02-29	Solar Power (Korat 6) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0220-3719-1773.540000	0000-0220-3719-1775.039999	2024-01-01 - 2024-01-31	1.50
2024-03-01 - 2024-03-31	Solar Power (Nakorn Phanom 3) Co., Ltd.	Thailand	Solar	2014-03-10	0000-0220-3719-4633.500000	0000-0220-3719-4634.999999	2024-01-01 - 2024-01-31	1.50
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-9179.000000	0000-0220-5985-9180.999999	2024-01-01 - 2024-03-31	2.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-3257.000000	0000-0220-5985-3258.999999	2024-01-01 - 2024-03-31	2.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-7443.000000	0000-0220-5984-7444.999999	2024-01-01 - 2024-03-31	2.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-7404.000000	0000-0219-5266-7405.999999	2024-02-01 - 2024-02-19	2.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-8728.051613	0000-0219-5209-8730.051612	2024-01-04 - 2024-01-31	2.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0220-0009-3633.294828	0000-0220-0009-3635.294827	2024-02-20 - 2024-02-29	2.00
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0221-8335-6060.000000	0000-0221-8335-6061.999999	2024-03-01 - 2024-03-31	2.00
2024-11-01 - 2024-11-30	Solar Power (Udon Thani 1) Co., Ltd.	Thailand	Solar	2014-04-01	0000-0222-1812-0464.000000	0000-0222-1812-0465.999999	2024-10-01 - 2024-10-31	2.00
2024-12-01 - 2024-12-31	Solar Power (Bureerum 2) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-2347.000000	0000-0222-1812-2348.999999	2024-10-01 - 2024-10-31	2.00

ELTEK POWER Co., Ltd.

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-01-31	Solar Power (Khon Kaen 8) Co., Ltd.	Thailand	Solar	2013-01-18	0000-0220-3738-5614.240000	0000-0220-3738-5616.739999	2024-01-01 - 2024-01-31	2.50
2024-02-01 - 2024-02-29	Solar Power (Korat 6) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0220-3719-1771.040000	0000-0220-3719-1773.539999	2024-01-01 - 2024-01-31	2.50
2024-03-01 - 2024-03-31	Solar Power (Nakorn Phanom 3) Co., Ltd.	Thailand	Solar	2014-03-10	0000-0220-3719-4631.000000	0000-0220-3719-4633.499999	2024-01-01 - 2024-01-31	2.50
2024-04-01 - 2024-04-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-9176.000000	0000-0220-5985-9178.999999	2024-01-01 - 2024-03-31	3.00
2024-05-01 - 2024-05-31	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5985-3254.000000	0000-0220-5985-3256.999999	2024-01-01 - 2024-03-31	3.00
2024-06-01 - 2024-06-30	Lopburi Solar Power Plant Project	Thailand	Solar	2011-12-22	0000-0220-5984-7440.000000	0000-0220-5984-7442.999999	2024-01-01 - 2024-03-31	3.00
2024-07-01 - 2024-07-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5266-7406.000000	0000-0219-5266-7408.999999	2024-02-01 - 2024-02-19	3.00
2024-08-01 - 2024-08-31	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0219-5209-8730.051613	0000-0219-5209-8733.051612	2024-01-04 - 2024-01-31	3.00
2024-09-01 - 2024-09-30	Kwae Noi Bumrung Dan Hydropower Plant	Thailand	Hydro	2015-11-01	0000-0220-0009-3635.294828	0000-0220-0009-3638.294827	2024-02-20 - 2024-02-29	3.00
2024-10-01 - 2024-10-31	Solar Power (Khon Kaen 10) Co., Ltd.	Thailand	Solar	2014-05-20	0000-0221-8335-6062.000000	0000-0221-8335-6064.999999	2024-03-01 - 2024-03-31	3.00
2024-11-01 - 2024-11-30	Solar Power (Udon Thani 1) Co., Ltd.	Thailand	Solar	2014-04-01	0000-0222-1812-0466.000000	0000-0222-1812-0468.999999	2024-10-01 - 2024-10-31	3.00
2024-12-01 - 2024-12-31	Solar Power (Bureerum 2) Co., Ltd.	Thailand	Solar	2013-06-26	0000-0222-1812-2349.000000	0000-0222-1812-2351.999999	2024-10-01 - 2024-10-31	3.00

Singapore

Delta Electronics Int'l (Singapore) Pte., Ltd.

Reporting Period	Device	Country of Origin	Energy Source	Commissioning Date	From Certificate ID	To Certificate ID	Period of Production	Number of Certificates
2024-01-01 - 2024-12-31	SPES – WJI Solar Project	Singapore	Solar	2023-09-11	0000-0220-5303-0641.836010	0000-0220-5303-0971.836009	2024-04-01 - 2024-06-30	330.00

Assessment Report

DELTA ELECTRONICS INDIA PVT. LTD.

Assessment dates	25/02/2025 to 08/03/2025 (Please refer to Appendix for details)
Assessment Location(s)	Gurgaon(000), Rudrapur(001), Krishnagiri(002), B'lore(004)
Report Author	Ishan Mehrotra(IM)
Assessment Standard(s)	ISO 14064-1:2018

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Executive Summary

The verification was based upon the Client's Greenhouse gas (GHG) Annual Report referenced below:

Annual GHG report – titled 'Greenhouse Gas Emissions Annual Report, Year 2024, revision 02, dated 10/03/2025, submitted on 10/03/2025 for the period **01/01/2024 to 31/12/2024**.

The organisation decided to report the emissions for their plants spread in PAN India locations excluding the warehouses. The GHG inventory includes their direct, indirect and other indirect emissions taking place at these locations mainly. Operation control approach has been adopted for consolidation of these plants.

Though the verifications were done as one organisation - the emissions were calculated and verified for individual facilities level.

The direct emissions, indirect emissions for imported energy & other indirect emissions of the sites were based on actual measured data. However, for any assumptions taken for estimating or calculating the data is explained and referred to reputed literature sources.
The report also describes the exclusions made in the GHG inventory with proper justification as needed, for ensuring the transparency in information sharing. Emission quantification methodology and sources of emission factors are described in the report.

The period of 1 Jan 2023 to 31 Dec. 2023 (CY 2023) is considered as the base year for the organization for all categories.

Based on site visits & seeing the activities, Biogenic emissions were not evident.

Level of Assurance: **Reasonable**

The main activity of the organisation is:

'Manufacturing, Supply, Repair, Installation and Servicing of Visual Display Solutions and Sales, Repair & Servicing of Industrial Automation Products. Manufacturing, Supply, Repair & Installation of Telecom Power Solutions (TPS), Telecom Rack & Cabinets, Power Solutions, Power Back up Solutions, Battery Charger, Uninterrupted Power Supply (UPS), Power Distribution Cabinet (PDC). Manufacturing & Supply of EV Chargers. Manufacturing, Supply & Installation of Power Quality Restorer Solutions (PQRS), Power Conversion System (PCS) & Energy Management System (EMS). In-house Calibration of Measuring Equipment.

The scope of verification includes:

Emissions of scope 1 (Direct emissions or Category1 emission), scope 2 (Indirect emissions from energy import or Category 2 emissions) and scope 3 (Indirect emission from other sources like transportation), and category-4: services purchased(waste disposal).

Materiality threshold: 5% of the total amount of carbon footprint

Inventory Summary:

GHG Inventory report states the emissions as the following, and these were validated as follows: For CY 2024:

Fuel Source	CO2 (t CO2e)	CH4 (t CO2e)	N2O (t CO2e)	HFC (t CO2e)
Diesel fuel	666.89	2.32	1.28	-
Petrol used	7.81	0.00	0.00	-
Fire Extinguishers CO2	0.03	-	-	-
Refrigerants	-	-	-	98.59

Total Category 1 Emissions	**775.08 tCO2e**

Category 2: Indirect Emissions from the Use of Purchased Electricity, Steam, Heating and Cooling	(t CO2e)
Indirect Emissions from Purchased/Acquired Electricity- **location based**	16597.29
Indirect Emissions from Purchased/Acquired Electricity- **market based**	13742.36

Gases →	CO2
Description of category	(t CO2e)
Employee & business Commute	3640.71
Upstream and Downstream Transportation	14118.6
Waste Disposal & canteen food services purchased	93.35

Category 3,4,5 total	**17854.71**

Enhanced detail relating to the overall assessment findings is contained within subsequent sections of the report.
Corrections with respect to Nonconformities raised at the last assessments have been reviewed and found to be effectively addressed in the revised report.

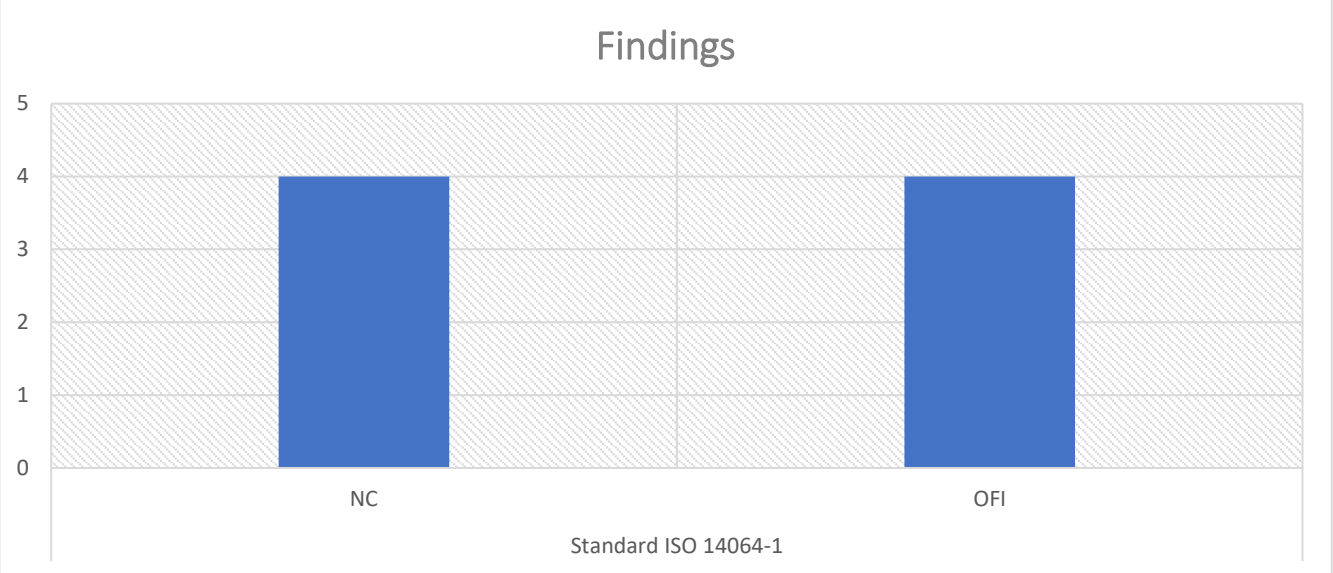
No new Nonconformities were identified during the assessment under stage-2.

Changes in the organization since last assessment

In current year of assessment, client has increased it's organizational boundary to cover all plants from PAN India, Krishnagiri location is the highest contributor to the GHG inventory.

NCR summary graphs

Which standard(s) BSI recorded findings against



NC- Non Conformity- 4

OFI- Opportunity for improvement- 4

Your next steps

NCR close out process

Corrective actions with respect to nonconformities raised at the last assessment have been reviewed and found to be effectively implemented.

No new nonconformities were identified during the assessment. Enhanced detail relating to the overall assessment findings is contained within subsequent sections of the report.

Please refer to Assessment Conclusion and Recommendation section.

Assessment objective, scope, and criteria

Verification of quantification and reporting of greenhouse gas emission for

1- CY 2024 as reporting period.

The scope of the assessment was to review the addressal of the document review and stage 1 findings, check the completeness of the Green House Gas (GHG) report, ensure an impartial and objective review of the reported GHG emissions/ assertion under the agreement with the scope and **Reasonable Level** assurance with the client.

ISO 14064-1:2018, ISO 14064-3:2019, and other specifications of the intended users.

Delta Electronics own documentation.

Statutory and regulatory requirements

Not relevant

Assessment Participants

Name	Position	Opening Meeting	Closing Meeting	Interviewed (processes)
Ms. Mythreyi	Corporate ESG	X	X	
Mr. Raghav Dubey	Admin – Gurugram	X	X	X
Mr. Mir, Soumyaa	Logistics- B'lore	X	X	X
Ms. Renu	Logistics - GGN	X	X	X
Mr. Kashish Chopra	Logistics - Gurugram	X	X	X
Mr. Kamal Tiwari	Facilities - Rudrapur	X	X	X

Assessment conclusion

BSI assessment team

Name	Position
Ishan mehrotra	Team Leader
Krishnaraj S	Team Member

Overall Conclusion

We are pleased to announce that BSI will recommend issuing Unqualified Opinion statements as below:

As a result of verification procedures, it is the opinion of BSI with reasonable assurance that:

The Greenhouse Gas Direct emissions and Indirect Emissions for Delta Electronics India pvt. Ltd.

- for the period from 01/01/2024 to 31/12/2024 in tons of CO_2 equivalent is:
- **Location based:**

Category	**Emission type**	**Delta**
		t CO_2e
Category 1	Direct emission	775.08
Category 2	Indirect emission from imported energy	16597.29
Category 3, 4 & 5	Indirect emission from transportation, products and services used/sold	17854.71
	Total emission (Cat-1 to 6)	**35227.08**

- **Market based:**

Category	**Emission type**	**Delta**
		t CO_2e
Category 1	Direct emission	775.08
Category 2	Indirect emission from imported energy	13742.36
Category 3, 4 & 5	Indirect emission from transportation, products and services used/sold	17854.71
	Total emission (Cat-1 to 6)	**32372.15**

- The period from 01/01/2023 to 31/12/2023 is considered as base year for category-1 to 6 emissions.
- 'Main operational activities carried out in the defined organizational boundary include 'Manufacturing, Supply, Repair, Installation and Servicing of Visual Display Solutions and High –End Power systems, Sales, Repair and Servicing of Industrial Automation Products at Gurugram & Manufacture, Supply, Repair and Servicing of high-quality Telecom Power Solutions, Power solutions, Power backup solutions, Battery chargers, and Uninterrupted power supplies. Also manufacturing and supply of wind power convertors, Electric vehicle chargers, and In-house calibration of measuring equipment.

- No material misstatements in the selected year Greenhouse Gas Emissions calculation for Delta Electronics India Pvt. Ltd.
- Data quality was considered acceptable in meeting the principles as set out in ISO 14064-1:2018 and ISO 14064-3:2019.

Recommendations

The audit team finds the GHG report to be complete and objective in nature. The claims were verified during the offsite document review, remote with human interaction, and onsite based stage 1 assessment and offsite stage 2 assessments. The audit was conducted to provide opinion with reasonable level of assurance. BSI recommends issue of opinion statements without any Limitations.

The use of the BSI certification documents, and mark / logo is effectively controlled.

Findings from previous assessments

Finding Reference	2626647-202503-N1	**Certificate Reference**	CFV 823135
Certificate Standard	ISO 14064-1:2018	**Clause**	9.2, 9.3
Location reference	0047983683-000		
Assessment Number	30363862		
Category	Major		
Area/Process:	Document Review		
Details:	The GHG report is not aligned to the mandatory reporting requirement of the standard		
Objective Evidence:	GHG report does not fulfil the mandatory requirements of the standard as per below: • Requirement of clause 9.3.f- related to capturing all six gases under direct category is not transparent in the report. • Requirement of clause no. 9.3.i for clarifying the excluded significant emissions with justification is not fulfilled. • Requirement of clause no. 9.3.t for use of latest GWP values is not fulfilled. • Requirement of clause 9.3k,9.3l not correctly reflected in the ghg report		
Cause			
ISO 14064-1:2018 clauses wrongly interpreted			
Correction/containment			
The required inputs are incorporated now in the revised GHG report			
Corrective action			
Shall verify the requirements of standard prior to assessment in future reports.			
Closed?			
Yes			
Justification	Corrections incorporated in the revised GHG report		

Finding Reference	2626647-202503-N2	**Certificate Reference**	CFV 823135
Certificate Standard	ISO 14064-1:2018	**Clause**	6.1, 6.2, 6.4

Assessment Report.

<table>
<tr><td>Location reference</td><td>0047983683-000</td></tr>
<tr><td>Assessment Number</td><td>30363835,30363836,30363837</td></tr>
<tr><td>Category</td><td>Major</td></tr>
<tr><td>Area/Process:</td><td>Stage 1</td></tr>
<tr><td>Details:</td><td>Effectiveness of Data collection and reporting process to improve</td></tr>
<tr><td>Objective Evidence:</td><td>Following verified data did not match with the reported data/ requirements.
Data for calculation of direct and indirect emissions following mismatch observed for 2022
<table>
<tr><th>Site Name</th><th>Diesel for DG</th><th>Diesel for owned vehicle</th><th>Fire Extinguisher</th><th>Refrigerant</th><th>Electricity</th><th>Upstream transportation</th><th>Business/Empl. commute</th><th>Waste generation</th><th>FG Transportation</th></tr>
<tr><td>Gurgram</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td></td></tr>
<tr><td>Rudrapur</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr>
<tr><td>Bangalore</td><td>X</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td></td></tr>
<tr><td>Krishnagiri</td><td>X</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td></tr>
</table>
Bangalore RnD centre:
Deviations in diesel quantity of approx.. 100 ltrs. from consolidated sheet. March, may month data are not matching from records.
diesel and petrol records not separated, since emission factors are different for both.
Invoices for bus commute for feb., April, June, sep. not evident.
Invoices for jan, march, aug, dec not evident during verification for waste. e-waste manifest not evident during verification.
For logistics, quantity sampled for two invoices for January month were not correct to derive tonnes.km.
Air miles are not captured correctly in the distances reference taken.
Gurgram Plant:
16.8kg R410A refrigerant not reported in scope-1.
Evidence for fire extinguisher purchases are not evident during the audit.
Difference in the quantity of mixed waste for jan month .
E-waste manifests for pending months not shared.</td></tr>
</table>

	• Disposed used oil is not captured in the emissions reporting. • For employee commute, only shuttle services are included, is not transparent in the ghg report. • Nov., dec. month data for shuttle service invoices are not matching with working day calculations. • office vehicle owned which is already reported under diesel consumption and EV vehicle charged at premises reported two times and double accounted. • Under logistics data- import and export, ports distances are not captured correctly and not tallying with evidences shown for nhava sheva port. **Rudrapur Plant**: • 22 kg refrigerant is reported whereas backup is evident for 20 kg only. • Deviation in wood waste quantity for April and October month. • Deviations in cartons quantity for April and October months. • Deviations for mixed waste quantity for April and October months. • Hazardous waste disposal not added for used oil, DG filters, lead disposed. • For shuttle services, january month data is not tallying from the km breakup records. • Distances sampled for Bilaspur, Aurangabad, Srinagar are not correctly captured. **Krishnagiri:** • Petrol consumption from ambulance and grass cutting machine not included. • Diesel consumption from fire hydrant was evident but not included in the calculations. • The data discrepancies for owned vehicle diesel have been observed on sampled months (Viz., Feb'24 act=2.11KL, Rep=2.14KL, Jul'24 Act=2.987KL, Rep=3.01KL, Dec'24 Act=2.652KL, Rep=3KL). • For waste, the data discrepancies have been observed on sampled months (Total cartons: act= 511840Kgs, Rep= 511860Kgs, Plastics & Polythene: act=132580Kgs, rep=131679Kgs, Mix waste: act=25400Kgs, rep=19545Kgs, Metal waste: act=51185Kgs, rep=55401Kgs, E waste: act=114420Kgs, rep=110020Kgs). • For employee commute, the data discrepancies have been observed on sampled months (Viz., May'24 act=171526KM, Rep=175007KM). • Transfer distances for transport between manufacturing unit to warehouse is not evident in the report. **General:** • Market based mechanism not reported correctly, iRECs purchases certificates not provided.
Cause	

Error during data collection, data interpretation and compilation	
Correction/containment	
The mismatch identified are corrected in the revised report	
Corrective action	
The entire data set for the period is verified once again for 2022. All data sheets will undergo an internal check prior to assessment.	
Closed?	
Yes	
Justification	All mismatches were corrected in revised report

Findings from this assessment

The organizational boundary has been identified and presented in the report.

The organisation has included 8 of their sites including head office and plant locations within the boundary.

The sites Main operational activities carried out in the defined organizational boundary include 'Design and 'Manufacturing, Supply, Repair, Installation and Servicing of Visual Display Solutions and Sales, Repair & Servicing of Industrial Automation Products. Manufacturing, Supply, Repair & Installation of Telecom Power Solutions (TPS), Telecom Rack & Cabinets, Power Solutions, Power Back up Solutions, Battery Charger, Uninterrupted Power Supply (UPS), Power Distribution Cabinet (PDC). Manufacturing & Supply of EV Chargers. Manufacturing, Supply & Installation of Power Quality Restorer Solutions (PQRS), Power Conversion System (PCS) & Energy Management System (EMS). In-house Calibration of Measuring Equipment.'

The details of the sites have been presented in the GHG report.

Organisation has adopted operational control approach to identify the organisational boundaries.

Data has been verified for Cy 2024 period. Base year emissions has also been highlighted in the report itself.

The emissions have been correctly categorized into direct, and indirect categories for Delta Electronics. They have used their significance criteria to identify the indirect emissions.

The scope of this verification included the above reporting boundary.

Identification of GHG sources and sinks and exclusions: 6.1

The identified sources and sinks were verified.

The emission sources identified and their inclusion/exclusion in the report is presented below:

Included in inventory (Emission sources)	***Excluded from inventory***
Category 1	**Category 1**
Diesel Consumption from Stationary Combustion	

Diesel Consumption from owned vehicles	
Refrigerant leakage from air conditioners.	
Release of CO_2 from Fire extinguishers.	
On-site composted food waste.	
Category 2	**Category 2**
Imported electricity from local grid.	
Category 3	**Category 3**
Employee commute (bus service) & Business travel.	Employee commute from employee-owned vehicles.
Upstream transportation (Import) and distribution	Upstream Transportation of domestic Raw Material.
Downstream transportation (Domestic & Export) and distribution	Transport of material from office to warehouse.
Transportation emissions during waste movement for disposal.	
Category 4	**Category 4**
Waste Disposal	Raw material purchases cradle to gate
	Capital Goods purchases cradle to gate
Category 5	**Category 5**
	Processing of sold products.
	End of life of sold products.

The reasons for above identified exclusions for the sites is mainly unavailability of activity data and some secondary factors as well, also currently the organization's intended users are their corporate office who are mainly seeking the inventorization against current categories only. The organisation has made reasonable estimates where possible and included the emissions. Few of significant emissions has also been omitted from the GHG inventory due to data insufficiency and unavailability of data monitoring and recording, however, same has been raised as potential non-conformities and Delta team has taken it positively and ensured to include all such significant emissions in subsequent years.

For fossil fuel combustion within category 1, along with CO_2 emission factors, CH_4 and N_2O emissions are also considered wherever available.

The grid emission factor of India generally represents tCO_2 component only, hence for the energy indirect emissions reported for the sites do not include CH_4 and N_2O emissions.

Selection of quantification methodology and emission factors: 6.2

Most of the quantification process follow the emission factor method. For all sites, Fuel consumption is either directly measured or accounted based on purchased quantity and stock levels.

Refrigerant leakage from air conditioners and CO_2 leakage from fire extinguishers were estimated by the actual makeup/refill made during the reporting period and emissions calculated using their GWP.

Indirect emissions from imported energy for sites were quantified from electricity consumption reported in the electricity bills and the grid's emission factors for the corresponding year.

Purchased material and capital goods information were obtained from purchase team with suitable classification. The transportation part for related emissions calculation is only included, and emission factor formula is used.

Emission factors were considered from latest IPCC AR6 report, U.K.Defra and local revised grid emission factors.

Waste segregation was visible at site both physically and in records, Waste disposal related emissions are considered for the present reporting period.

LPG consumption comes under the purchased services and is not directly purchased by the organization, it's categorization under cat-4 is not considered in current reporting period however since it's significant, same has been recommended to be included in category 4 from subsequent years.

The report elaborately describes the choice of emission factors with their references - the choices are found suitable and the justifications were found acceptable.

Liquid and gaseous fuel emission factors are taken from reputed source – IPCC- AR6 & DEFRA (UK). It's latest updated version has been considered for emission calculation.

The GWP of refrigerants were referred to Assessment Report 6 of IPCC.

For power grid emission factor, the locally published grid emission factor has been considered for sites.

All above emission factors were verified with their references and found in compliance.

Selection and collection of activity data: 6.2.2

Verification Site selection:

The site selection for verification of carbon footprint was based on the variations of activities, regional spread, and contribution of each site to the overall emission. In present case, data for all the plants and head office has been verified.

The sites covered during stage 1 assessment are:

1- Gurgram Plant.
2- Rudrapur Plant.
3- Bangalore RnD centre.
4- Krishnagiri plant.

The measurement and accounting process of various fuel consumption in particular type of facility were found to be similar. The measurement and verification methodology followed for activity data check during stage 1 of the audit is presented below:

Variable	***Data source***	***Process of data collection***	***Verification***
Diesel fuel consumption	Consumption logs, Invoices, SAP data	From manual consumption log and SAP purchase data.	Month-wise data has been verified from the invoices and reported quantities has been checked for any deviations.

Diesel for owned vehicles	Km travel records, purchase invoices	Data has been recorded in form of invoices of diesel purchases.	Purchase invoices have been checked and data has been verified from them.
Refrigerants	Service reports and invoices.	Data is collected in service reports, also via vendor invoices and collected in excel records.	Verified the readings from service records available on sample basis.
Electricity consumption	Electricity bills	Compilation of electricity bills from electricity authority	Checked all 12 month's electricity bills
Fire Extinguisher leaks	Inspection reports, purchase invoices	Data has been recorded from purchase invoices for leak recharges	Invoices are verified against the reported data.
Employee Commute & Business Travel	Travel logs of employees, admin records	Airmiles calculator and ICAO for air business travel has been used for distances between two sources, for shuttle services, invoices of vendor is used which shows fixed kilometers.	Sample calculations have been checked and found acceptable, records from admin are verified and sample checked for entire process cycle starting from request for travel.
Upstream transportation	Purchase records, SAP data	Collected and extracted via SAP reports. Excel sheets are prepared accordingly.	SAP data has been verified on sample basis.
Downstream transportation	Purchase records, SAP data, invoices	Collected and extracted via SAP reports. Excel sheets are prepared accordingly. Port to port nautical miles are	SAP data has been verified on sample basis.
Waste Disposal	Waste register, vendor PO	Waste classification consumption log and manifests.	Waste quantity verified from manifests and waste register

The calibration of measuring devices records was checked on sample basis and found in conformance. A Hybrid model of onsite and remote audit through audio-video conferences using meeting software applications (like Microsoft teams) was taken up for activity data verification. We also used emails and phones. The auditee organisation was happy with the arrangements and could effectively share all required backup documents in support of their reported data.

Mitigation activities:

Not reported in the present reporting period.

Information management, internal verification, and review:

Delta is having internal sustainability team dedicated towards measuring, monitoring, and tracking the emissions from various sources. The team is dedicated and consolidates the information and backup records from individual facilities to calculate the GHG emissions.

The emission related data is available and traceable. Data was verifiable and complete. Management have reviewed and approved the activity data and the GHG report before release.

Base year inventory: 6.4

1st Jan 2023- 31st Dec 2023 was considered as base year period for organisation, although this is an updated base year(from earlier 2017 where only 2 locations were present in the boundary) which was verified by some another agency, while assessing the comparison from present year inventory, we identified that there is a lack of apple-to-apple comparison since one source inclusion i.e. business travel was identified during this year which was not included in base year's inventory due to non-availability of data, same has been raised as an opportunity of improvement.

During the base year the emissions were found to be:

Category	**Emission type**	**Delta Ele.**
Category 1	Direct emission	506.05
Category 2	Indirect emission from imported energy	14253.73
Category 3, 4 & 5	Indirect emission from transportation, products and services used/sold	44951.94
	Total emission (Cat-1 to 6)	**59711.72**

Uncertainty: 8.3

Organisation has presented a qualitative analysis of uncertainty in the GHG report.

All the activity data for fuel combustions, refrigerant consumption and electricity consumption are primary data, collected from reliable measuring devices. Emission factors are also from reputed sources and the national level data on power grids were collected to calculate the grid emission factors. Thus, the possible error sources are the tolerances of the measuring devices (which are mostly <2%) and the human error while recording the same. The field data verification provides the confidence to the verifier how care has been taken to minimize the human error.

Uncertainty in emission calculation is less for the direct and indirect emission from imported energy for the sites since these are based on actual measured activity data. Organisation explained the exclusions wherever there were high chances of uncertainty expected and considered for recording them with lesser error margins in subsequent years.

Uncertainty of the emission factors is the same as the built-in uncertainty level of these factors, which are very low.

Overall, the uncertainty analysis is acceptable.

Finding Reference	**2626647-202503I1**	**Certificate Reference**	CFV 823135
Certificate Standard	ISO 14064-1:2018	**Clause**	
Location reference	0047983683-000		
Assessment Number	30363861		
Category	Opportunity for Improvement		
Area/Process:	Stage 2		
Details	➢ Emissions pertaining to the rented warehouses were excluded, organization may consider estimating them and showcase it's contribution to identify potential hot spots. ➢ Some potential significant categories like purchased goods and services are not included and could be investigated for considering in future. ➢ Base year is not reflecting apple to apple comparison since in base year, business travel wasn't included and in current year it has been included. Recalculating base year to showcase correct inventory levels and comparisons is ideal. This could be potential NC in future. ➢ GHG data management could be looked into for improvement, different plants were using different formats for data representation. Segregation in inbound and outbound logistics could be looked into for simplifying. This could be potential NC.		

Appendix: Your certification structure & ongoing assessment programme

Scope of Certification

CFV 823135 (ISO 14064-1:2018)
'Main operational activities carried out in the defined organizational boundary include 'Manufacturing, Supply, Repair, Installation and Servicing of Visual Display Solutions and High –End Power systems, Sales, Repair and Servicing of Industrial Automation Products at Gurugram & Manufacture, Supply, Repair and Servicing of high-quality Telecom Power Solutions, Power solutions, Power backup solutions, Battery chargers, and Uninterrupted power supplies. Also manufacturing and supply of wind power convertors, Electric vehicle chargers, and In-house calibration of measuring equipment.

Assessed location(s)

The audit has been performed at Central Office, Permanent Locations.

Noida / CFV 823135 (ISO 14064-1:2018)

Location reference	**0047983683-000**
Address	Delta Electronics India Pvt Ltd Plot No 69-B,C & D, Bommasandra Industrial Area, Hosur Main Road, Bangalore Karnataka 560099 India
Visit type	Stage 2 Audit
Assessment number	30363861
Assessment dates	25/02/2025 to 28/02/2025: DR & Stage-1: 6 MD 07/03/2025 to 08/03/2025: Stage-2 : 2 MD 10/03/2025- report writing
Deviation from Audit Plan	No
Scope of activities at the site	Main Certificate Scope applies.
Assessment duration	9 (6MD- DR & Stage-1, 2 MD- Stage-2, 1 MD- RR)

Definitions of findings:

Non-conformity:
Non-conformity/ Corrective Action request (CAR):
Non-fulfilment of a requirement.

CAR- any act or omission of an act by the installation under verification, either intentional or unintentional, that is contrary to the requirements of ISO 14064-1 or the GHG protocol, however it does not have a material impact on the reported data. Typically, these can be addressed and closed during the verification process. Therefore, a Verification Opinion Statement can be issued.

Material CAR - A non-conformity with the requirements of ISO14064-1 or GHG protocol that could result in the reported information being based on incorrect assumptions, methodologies or other factors and would have a material impact on the reported data (greater than 5%). This would typically prevent completion of the verification process and prevent a Verification Opinion Statement from being issued, i.e. it cannot be resolved within the verification timescale.

Opportunity for improvement:
It is a statement of fact made by an assessor during an assessment, and substantiated by objective evidence, referring to a weakness or potential deficiency in a management system which if not improved may lead to Corrective action request in the future. We may provide generic information about industrial best practices, but no specific solution shall be provided as a part of an opportunity for improvement.

How to contact BSI

Visit the BSI Connect Portal, our web-based self-service tool to access all your BSI assessment and testing data at a time that's convenient to you. View future audit schedules, submit your corrective action plans and download your reports and Mark of Trust logos to promote your achievement. Plus, you can benchmark your performance using our dashboards to help with your continual improvement journey.

Should you wish to speak with BSI in relation to your certification, please contact your local BSI office – contact details available from the BSI website:
https://www.bsigroup.com/en-IN/Contact-us/

Notes

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This audit was conducted through document reviews, interviews, and observation of activities. The audit method used was based on sampling the organization's activities and it was aimed to evaluate the fulfilment of the audited requirements of the relevant management system standard or other normative document and confirm the conformity and effectiveness of the management system and its continued relevance and applicability for the scope of certification.

As this audit was based on a sample of the organization's activities, the findings reported do not imply to include all issues within the system.

Regulatory compliance

BSI requires to be informed of all relevant regulatory non-compliance or incidents that require notification to any regulatory authority. Acceptance of this report by the client signifies that all such issues have been disclosed as part of the assessment process and agreement that any such non-compliance or incidents occurring after this visit will be notified to BSI as soon as practical after the event.

CarbonFix
powered by C3

Carbon footprint calculation report of the company
Delta Electronics (Slovakia), s.r.o.
per year 2024

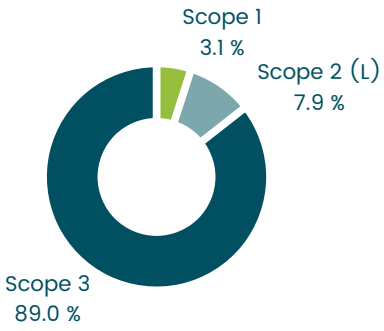
Company **Delta Electronics (Slovakia), s.r.o.** (IČO: 36650871) with headquarters in Priemyselná 4600/1 Dubnica nad Váhom had **on 20. 2. 2025** a simplified report of its own **carbon footprint for the year 2024 generated**. The calculator for calculating the carbon footprint is managed by CI3 s.r.o. The responsibility for the correctness of the data is on the filling company's side.

Total Company carbon footprint is 16 350.7 t CO_2e
(Scope 1, 2 a 3 by method Market based).

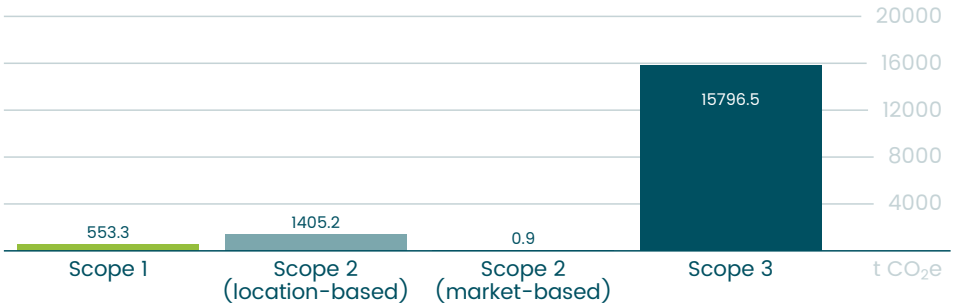
Division of emissions by Scopes

Scope	location based		market based	
Scope 1	553.258 t CO_2e	3.1 %	553.258 t CO_2e	3.4 %
Scope 2	1 405.216 t CO_2e	7.9 %	0.887 t CO_2e	0.0 %
Scope 3	15 796.533 t CO_2e	89.0 %	15 796.533 t CO_2e	96.6 %
Total	17 755.008 t CO_2e	100.0 %	16 350.678 t CO_2e	100.0 %
Scope 1+2	1 958.474 t CO_2e	11.0 %	554.145 t CO_2e	3.4 %
Scope 1-3	17 755.008 t CO_2e	100.0 %	16 350.678 t CO_2e	100.0 %

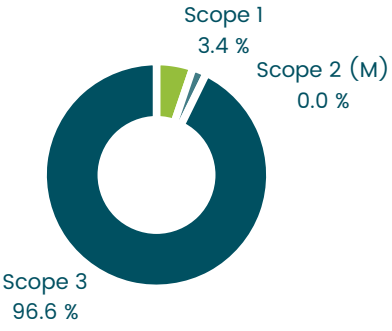
Location-based emissions



Structure of emissions by Scopes

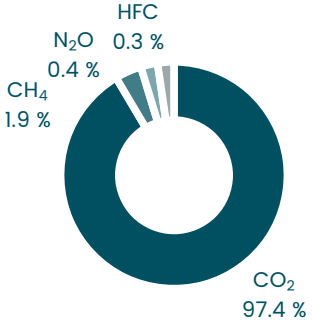


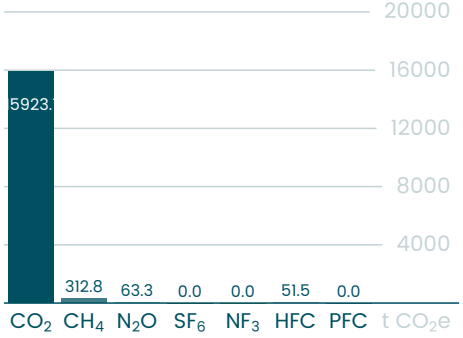
Market-based emissions



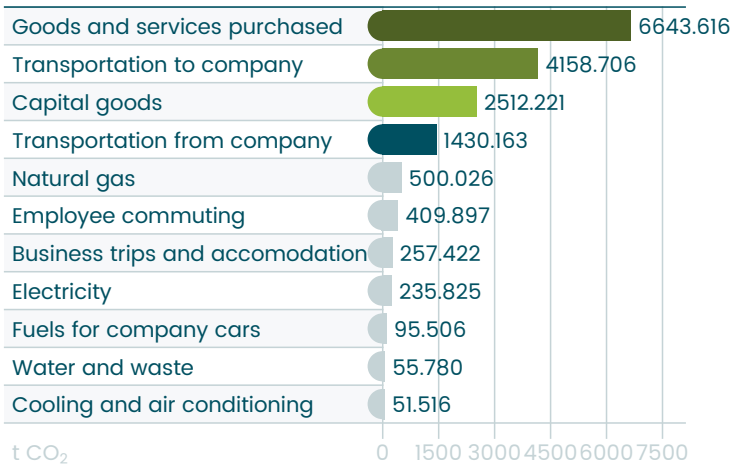
Division of emissions by gases

Gas	t	t CO_2e	Share
CO_2	15 923.086	15 923.086	97.4 %
CH_4	11.211	312.785	1.9 %
N_2O	0.232	63.291	0.4 %
SF_6	0.000	0.000	0.0 %
NF_3	0.000	0.000	0.0 %
HFC	0.027	51.516	0.3 %
PFC	0.000	0.000	0.0 %





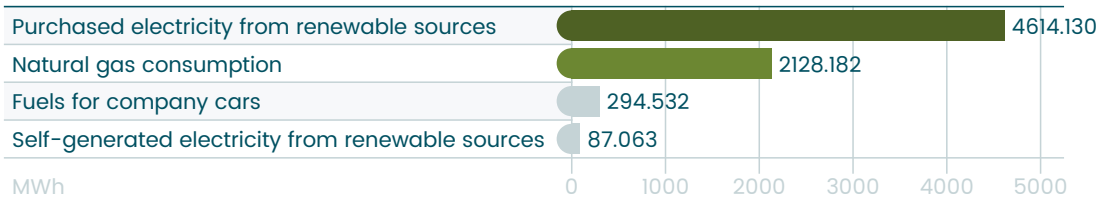
Emissions broken down by functional unit

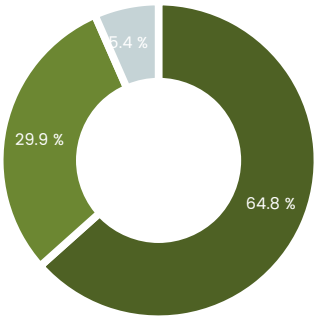


Emissions distribution in Scope 3

	Kategorie	t CO_2e
3.1	Purchased goods and services	6643.616
3.2	Investment equipment	2512.221
3.3	Energy and fuel losses	1192.340
3.4	Upstream transport	3659.405
3.5	Water and waste	55.780
3.6	Business trips and accommodation	232.870
3.7	Employee commuting	326.447
3.8	Upstream rental	0.000
3.9	Downstream transport	1173.856
3.10	Processing of sold products	0.000
3.11	Use of sold products/services	0.000
3.12	Disposal of products	0.000
3.13	Downstream rental	0.000
3.14	Franchises	0.000
3.15	Investment	0.000

Energy consumption





Comparison of the total carbon footprint

The company's carbon footprint per year 2024 (in total 16 350.7 t CO_2e) is comparable, for example, to the footprint of some of the following activities:

year use of
6 059
average cars

return flight
7 434
from London to New York

production and serving of
2 271
thousands of portion of beef meat

production and use
236 975
mobile phones iPhone 13

consumption of energy in
6 012
average households in EU for 1 year

Selected emission intensity indicators

Indicator	Scope 1 + 2	Scope 1 - 3	Units
Emissions per revenue	3.453	101.873	t CO_2e / mil. EUR
Emissions per volume of production (pcs)	0.000	0.004	t CO_2e / product
Emissions per sales (mil. €)	3.485	102.834	t CO_2e / sales (mil. €)
Emissions per employee	0.964	28.436	t CO_2e / FTE

Footprint per one employee

28.44

t CO_2e

Footprint per one million EUR of turnover

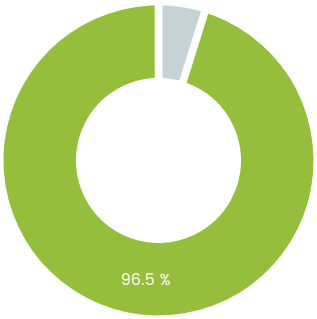
101.87

t CO_2e

Footprint per one square meter

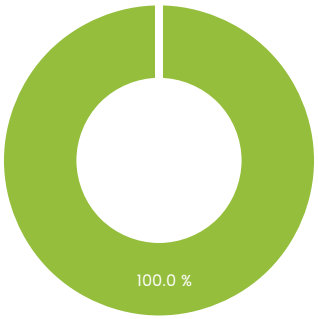
not specified

Selected additional indicators



96.5 %

Proportion of calculated emissions arising outside of the compan



100.0 %

Share of electricity sourced from renewable sources

Explanations

Greenhouse gases are gases that occur in the Earth's atmosphere and contribute to the greenhouse effect. On the one hand, they are of natural origin (such as water vapor, methane), and on the other hand, they are released by human activities (mainly by burning fossil fuels, but also by a number of other activities). The GHG Protocol (see below) records a total of seven anthropogenic greenhouse gases that are relevant in terms of the carbon footprint. These are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur fluoride (SF_6) and nitrogen fluoride (NF_3). Carbon dioxide covers all greenhouse gases and we can convert them to it. We then talk about carbon dioxide equivalents (CO_2e).

Global warming potential (GWP) indicates the extent of the potential contribution of a given greenhouse gas to the greenhouse effect. A unit is the contribution to the greenhouse effect of one molecule of CO_2. Using these coefficients, it is possible to determine the so-called CO_2 equivalent, i.e. the amount of CO_2 that would have an equivalent contribution to the greenhouse effect of the atmosphere equal to the given amount of the relevant gas. It usually refers to a time horizon of 100 years.

GHG Protocol (GHGP) is the global standard for measuring, managing and publishing greenhouse gas emissions. It was developed by the international organization World Resources Institute (WRI) a World Trade Council for Sustainable Development (WBCSD).

Scope 1. Direct emissions of greenhouse gases into the atmosphere, which arise from activities that directly fall under the given company and are simultaneously controlled by it. These include, for example, emissions from boilers or generators burning fossil fuels in the company, emissions from mobile sources (e.g. cars) owned by the company, leakage of refrigerants from refrigeration equipment or emissions from industrial processes (e.g. cement production) or emissions from waste water treatment in facilities operated by the company.

Scope 2. Indirect emissions of greenhouse gases associated with the consumption of purchased energy (electricity, heat, steam or cooling), which do not arise directly in the company, but are a consequence of the company's activities. These are indirect emissions from sources that the company does not directly control, yet it has a fundamental influence on their size.

Scope 3. Indirect emissions of greenhouse gases that are a consequence of the company's activities and that arise from sources outside the control or ownership of the company, but are not classified as Scope 2 (e.g. business trips by plane, landfilling, purchase and transport of material by a third party, etc.). The GHG Protocol is divided into fifteen subcategories, which as a whole may not be relevant for all companies.

Emission factors express the amount of greenhouse gases in tons of carbon dioxide or other greenhouse gases related to a unit of energy or use another unit expression (per mass or volume of the product).

Location-based the method expresses one of two ways of reporting electricity consumption and subsequent emissions, where the national or locally appropriate fuel mix of electricity production and the corresponding emission factor are used to determine emissions from electricity consumption. The emission factor can thus change from year to year depending on the type and quantity of electricity generation sources connected to the energy network.

Marked-based the method is the second way of reporting electricity consumption and subsequent emissions, where the calculation uses the energy mix corresponding to the company's contracts with electricity suppliers. Even this emission factor can change from year to year depending on the type and quantity of electricity purchased and consumed by suppliers.

Upstream emissions arise during the production of goods or services that a company purchases or uses. For example, if a company uses plastic to make its products, the emissions resulting from the production and transportation of that plastic would be upstream emissions.

Downstream emissions are the result of the use or disposal of companies' products or services. For example, if a company manufactures machinery, the emissions that result from the use of that machinery would be considered downstream emissions.

Input values

1.	**Basic information**		
1.1.1	Region	Slovenská republika	
1.1.2	ID	36650871	
2.	**Business information**		
2.1	Calculation year	2024	
2.2	Annual turnover	160 500 000	EUR
2.3	Subject of business activity and share - C - Manufacturing	100	%
2.4	Number of employees	575	pers.
2.6	Next: Add products or clients - tržby (mil. €)	159	
2.6	Next: Add products or clients - objem výroby (ks)	4 233 449	
3.	**Cooling**		
3.1.1	Refrigerant - R407c	27	kg
4.	**Electricity**		
4.1.1.2	Standard electricity tariff in Czechia	0	MWh
4.5.1	Green electricity tariff	4 614.13	MWh
4.5.3	In which country is the green electricity offtake ?	Slovakia	
4.6.1	Production	87.063	MWh
5.	**Gas and other fuels**		
5.1.1	Consumption of natural gas.	2 128.182	MWh
6.	**Company cars**		
6.1.2.1	Car purchases - Full electric car	1	pcs
6.1.2.1	Car purchases - Car with combustion engine	6	pcs
6.1.2.1	Car purchases - Forklifts with combustion engine	4	pcs
6.1.2.1	Car purchases - Forklifts with electric engine	3	pcs
6.2.1.1	I know exact consumption of fuels in company cars - Fuels - Electricity (outside own premises)	2.481	MWh
6.2.1.1	I know exact consumption of fuels in company cars - Fuels - Gasoline	3 986.875	l
6.2.1.1	I know exact consumption of fuels in company cars - Fuels - Diesel	25 171.106	l
7.	**Commuting to work**		
7.1.1.1	Car - petrol	592 284	km
7.1.1.2	Car - diesel	629 706	km
7.1.1.3	Car - PHEV	36 960	km
7.1.1.4	Car - BEV	16 170	km
7.1.1.5	Car - LPG	6 006	okm
7.1.5	Bus	688 380	km/year
7.1.6	Motorcycle	1 848	km/year
7.1.7	Bicycle, foot	60 060	km/year
7.1.8	Data was collected from the share of employees:	62.43	%
8.	**Business trips**		
8.1.4	Airplane - economy	1 091 700.112	km/year
8.2.1	Hotel stay in Czechia	27	nights
8.2.2	Hotel stay in Europe	529	nights
8.2.3	Hotel stay in world (non-Europe)	365	nights
9.	**Upstream transport**		

9.1.3	Heavy good vehicle (HGVs)	1 826 065.48	tkm
9.1.5	Ship	16 894 244.46	tkm
9.1.6	Airplane	2 919 212.78	tkm
10.	**Downstream transport**		
10.1.3	Heavy good vehicle (HGVs)	9 652 370.425	tkm
10.1.5	Ship	40 986.627	tkm
10.1.6	Airplane	210 550.553	tkm
11.	**Purchases**		
11.8.2.2	Cardboard	42 300	kg
11.11.4.3	General organic chemistry	1 800	kg
11.11.6.4	Polyethylene (PE)	8 800	kg
11.11.6.6	High Density Polyethylene (HDPE)	6 980	kg
11.15.1.13	Iron including processing	892 000	kg
11.15.2.4	Steel including processing	800	kg
11.15.3.18	Alluminium	211 000	kg
11.15.4.1	Tin	3 200	kg
11.15.5.1	Copper	85 200	kg
11.17.1.3	Elektronics	77 200	kg
11.17.1.4	Surface joints (kg)	16 700	kg
11.18.2.1	Rechargeable lithium batteries	6 500	kg
11.24.3.1	Wood	73 100	kg
12.	**Operation**		
12.7.2	CAPEX [EUR] - Manufacture of electrical equipment	8 360 689.79	EUR
13.	**Water and waste**		
13.1.1	Consumed water	3 620	m3
13.1.2	Wastewater treatment	3 620	m3
13.1.3	Municipal solid waste	59.16	t
13.1.4	Waste paper	179.3	t
13.1.5	glass waste	0	t
13.1.6	Waste plastic	144.014	t
13.1.7	Scrap metal	122.153	t
13.1.8	Biowaste (composting)	3.44	t
13.1.9	electrowaste	201 138	kg
13.1.10	Hazardous waste	17 856	kg
13.1.11	other waste	1.208	t
13.1.12	Wooden waste	156.194	t

Calculation methodology

The calculation of greenhouse gas emissions was carried out on the basis of the technical standard ČSN EN ISO 14064-1 and the international standard GHG Protocol (GHGP). The used global warming potential values (GWP) were taken from the last, sixth (AR6), assessment report of the Panel on Climate Change (IPCC) under the UN.

Greenhouse gas	GWP	Reference
CO_2 (carbon dioxide)	1.0	IPCC Sixth Assessment Report (AR6 - 100 years)
CH_4 (methane)	27.9	IPCC Sixth Assessment Report (AR6 - 100 years)
N_2O (nitrous oxide)	273.0	IPCC Sixth Assessment Report (AR6 - 100 years)
HFC (fluorinated hydrocarbons)	100–14 800	IPCC Sixth Assessment Report (AR6 - 100 years)

Emission factors were taken or calculated from the following documents and sources - National inventory reports of NIR, ČHMÚ, UK Government GHG Conversion Factors for Company Reporting, Agence de la transition écologique (ADEME),Association of Issuing Bodies, Furniture Industry Research Association, Carbon Trust, Low Carbon Vehicle Partnership, Veolia and Ecoinvent databases. If a specific emission factor was not available, it was estimated based on the experience of CI3, s.r.o. employees.

The uncertainty of emission factors in Scope 1 and 2 ranges from 1.0 to 4.5 %. For items in Scope 3, it can reach up to 50 % due to the merging of different items into one group or non-existent specific emission factors from individual suppliers. Of the greenhouse gases, only CO_2, CH_4, N_2O and HFC are considered, and within the category of Scope 3, only the following areas are considered: purchased goods, investment goods, activities related to fuels and energy, upstream transport and distribution, generated waste, business trips, employee commuting and downstream transportation and distribution.

The calculation coefficients have been updated 18. 2. 2025, the report was generated by CarbonFix version 1.2.7a on day 20. 2. 2025.

CarbonFix je verifikován společností SGS dle normy ISO 14064-3.

Information about the processor – CI3, s. r. o.

CI3, s. r. o. is a sister company of a publicly beneficial company CI2, o. p. s., which is mainly concerned with determining the carbon footprint. In this area, it focuses on determining the company carbon footprint (Company Carbon Footprint), determining the product carbon footprint (Product Carbon Footprint) and verifying the carbon footprint according to the technical standards of the ISO 14064 series and the international GHG Protocol standard. CI3, s.r.o. is a silver accredited partner of the international organization CDP.

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Addendum to the Company Carbon Footprint Report

Delta Electronics (Slovakia), s.r.o.

Table 1: Distribution of emissions **of Delta Electronics (Slovakia), s.r.o.** by Category in accordance with technical standard STN EN ISO 14064-1:2019

Category	location based	market based
Category 1	553.258 t CO2e	553.258 t CO2e
Category 2	1,715.006 t CO2e	310.677 t CO2e
Category 3	6,444.287 t CO2e	6,444.287 t CO2e
Category 4	9,042.457 t CO2e	9,042.457 t CO2e
Category 5	0.000 t CO2e	0.000 t CO2e
Category 6	0.000 t CO2e	0.000 t CO2e
On the whole	**17,755.008 t CO2e**	**16,350.678 t CO_{2e}**

Table 2: Distribution of emissions **of Delta Electronics (Slovakia), s.r.o. - Dubnica** by Category in accordance with technical standard STN EN ISO 14064-1: 2019

Category	location based	market based
Category 1	533.667 t CO2e	533.667 t CO2e
Category 2	1,710.241 t CO2e	308.028 t CO2e
Category 3	6,442.563 t CO2e	6,442.563 t CO2e
Category 4	9,041.960 t CO2e	9,041.960 t CO2e
Category 5	0.000 t CO2e	0.000 t CO2e
Category 6	0.000 t CO2e	0.000 t CO2e
Total	**17,728.431 t CO2e**	**16,326.219 t CO_{2e}**

Table 3: Distribution of emissions **of Delta Electronics (Slovakia), s.r.o. - Bratislava** by Category in accordance with the technical standard STN EN ISO 14064-1:2019

Category	location based	market based
Category 1	19.591 t CO2e	19.591 t CO2e
Category 2	4.766 t CO2e	2.649 t CO2e
Category 3	1.723 t CO2e	1.723 t CO2e
Category 4	0.496 t CO2e	0.496 t CO2e
Category 5	0.000 t CO2e	0.000 t CO2e
Category 6	0.000 t CO2e	0.000 t CO2e
Total	**26.576 t CO2e**	**24.459 t CO_{2e}**

Table 4: Development of the carbon footprint of **Delta Electronics (Slovakia), s.r.o.** From 2016 to 2024 by Category in accordance with technical standard STN EN ISO 14064-1:2019

Category	Scope	Emissions 2016	Emissions 2017	Emissions 2018
Category 1	Scope 1	509.87 t CO2e	504.88 t CO2e	474.24 t CO2e
Category 2	Scope 2	636.61 t CO2e	678.71 t CO2e	539.64 t CO2e
Category 3	Scope 3	8,428.14 t CO2e	10,265.44 t CO2e	12,778.14 t CO2e
Category 4				
Category 5				
Category 6				
Total		**9,574.62 t CO2e**	**11,449.02 t CO2e**	**13,792.03 t CO_{2e}**

Category	Scope	Emissions 2019	Emissions 2020	Emissions 2021
Category 1	Scope 1	498.61 t CO2e	448.56 t CO2e	510.55 t CO2e
Category 2	Scope 2	418.27 t CO2e	601.01 t CO2e	535.91 t CO2e
Category 3	Scope 3	11,367.76 t CO2e	948.59 t CO2e	3,819.05 t CO2e
Category 4			10,526.10 t CO2e	14,827.17 t CO2e
Category 5			–	–
Category 6			–	–
Total		**12,284.63 t CO2e**	**12,524.26 t CO2e**	**19,692.67 t CO_{2e}**

Category	Scope	Emissions 2022	Emissions 2023	Emissions 2024
Category 1	Scope 1	463.90 t CO2e	535.08 t CO2e	553.258 t CO2e
Category 2	Scope 2	629.23 t CO2e	320.85 t CO2e	310.677 t CO2e
Category 3	Scope 3	2,807.91 t CO2e	6,566.31 t CO2e	6,444.287 t CO2e
Category 4		16,346.69 t CO2e	17,860.73 t CO2e	9,042.457 t CO2e
Category 5		–	–	–
Category 6		–	–	–
Total		**20,247.73 t CO2e**	**25,282.97 t CO_{2e}**	**16,350.678 t CO_{2e}**

Elaborated: Lubomír Bartoš, CI3 s.r.o.

Date: 24. 2. 2025