

Environment management

Commitment and Goals

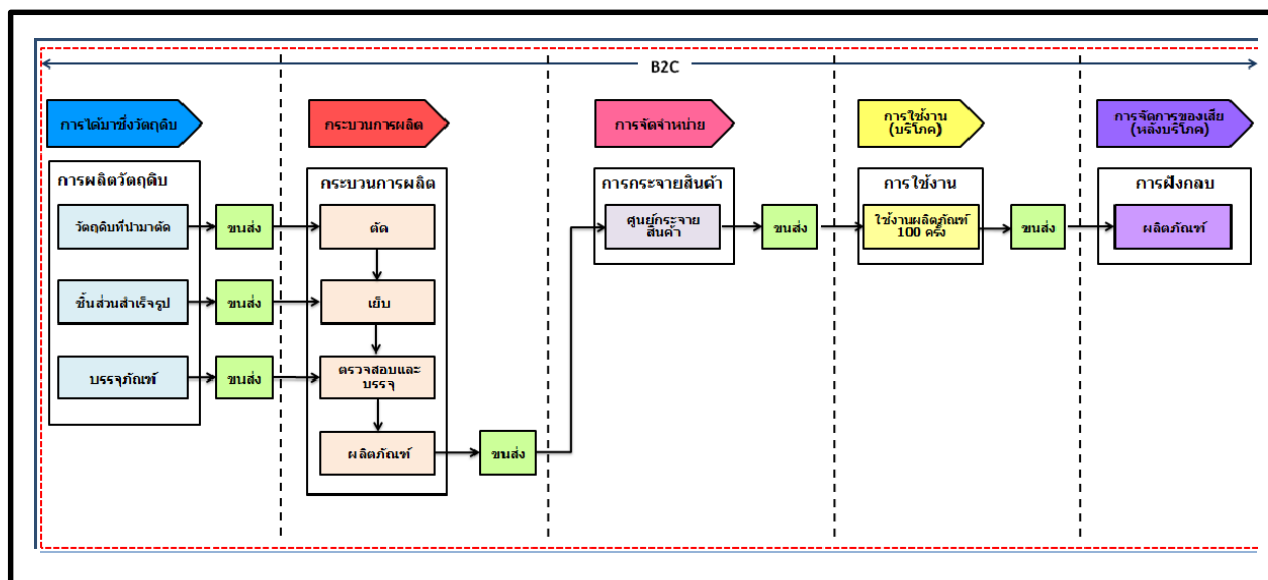
The Company recognizes its responsibility towards the environment and has been certified under the ISO 14001 Environmental Management System, covering all operations including offices, factories, and warehouses, by Bureau Veritas Certification (Thailand) Ltd. This commitment has been established as one of the Company's core missions and is embedded in its Good Corporate Governance and Business Ethics Policy, ensuring that all business activities are conducted with due regard for the impact on natural resources and the environment. The Company has also set forth its Environmental Policy under the principle of “**4 Por 1 Lod**” which is to comply with other laws and regulations to protect the environment, prevent pollution, continuously improve, and reduce energy and resource consumption.

To ensure that the Company's ISO Environmental Management System and all relevant departments share a unified understanding and operate in alignment with the Environmental Policy, the Company has established the following environmental objectives and targets:

1. The Company is committed to continuously developing, maintaining, and improving the ISO 14001 Environmental Management System.
2. Ensure zero complaints from surrounding communities regarding pollution or environmental impacts.
3. Reduce greenhouse gas emissions from organizational activities by **7.14% cumulatively**, compared with the 2022 baseline year (Scopes 1 and 2).
4. Ensure that **100%** of treated wastewater from the wastewater treatment system meets the effluent quality standards prescribed by law.
5. Reduce overall energy consumption by **at least 2%**, compared with baseline data (2021–2022).

Management Strategies

In defining the characteristics of environmental issues and related environmental impacts within the scope of the Environmental Management System, the Company considers activities, products, and services that it can control and influence. This is carried out through a **Product Life Cycle Assessment (LCA)**, covering raw material acquisition, production processes, distribution, usage, and waste management.



Product Life Cycle Assessment (LCA),

Identification of Risks and Opportunities

The Company recognizes the various risk factors and opportunities that may affect the achievement of its business objectives. Accordingly, it has assessed and identified the relevant risks, opportunities, and necessary management measures within the Quality and Environmental Management Systems, covering the following areas:

Considered Risk Aspects	Standards Framework		Criteria for Assessing Risks and Opportunities
	ISO9001	ISO14001	
Internal and External Factors <ul style="list-style-type: none"> Internal Factors External Factors 	✓ ✓	✓ ✓	Strengths / Weaknesses Analysis Results Opportunities / Threats Analysis Results
Stakeholders' Needs and Expectations	✓	✓	Impact on the Achievement of Stakeholders' Needs and Expectations, in Terms of Both Opportunities and Risks
Significant Environmental Issues		✓	Environmental Impacts in Terms of Both Opportunities and Risks
Emergency Plan		✓	Impacts on the Organization in Terms of Both Opportunities and Risks
Process	✓	✓	Impacts on Process Objectives or Effectiveness in Terms of Both Opportunities and Risks
Applicable Laws and Other Requirements		✓	Impacts on Compliance with Applicable Laws and Other Requirements in Terms of Both Opportunities and Risks

A process is in place to monitor and review the effectiveness of risk and opportunity management, as well as to periodically review the identification of risks and opportunities for all activities at least once a year. The Company applies **SWOT Analysis** to assess risks, identifying two key issues with high risk as follows:

- **Environmental and Climate Change Issues:** The primary raw materials used to produce lingerie products are derived from synthetic fibers.

The Company manages risks by setting annual objectives for product development using raw materials in accordance with the **BCG Principles**, which include selecting raw materials that are environmentally friendly and innovative, can be recycled (Circular Economy), or are biodegradable when disposed of (Bio Economy). The goal is to increase the proportion of Circular Economy and Bio Economy raw materials as the main materials for the Company's products.

Sustainability Strategy	Indicators	Goal in 2027	Goal in 2024	Performance In 2024
Beautiful Figures (Economic)	Revenue from innovative products each year	12% of domestic sales of finished good	10% of domestic sales of finished good	10% of domestic sales of finished good
	Produce products using raw materials according to BCG Model	38% of the value of domestic finished good	35% of the value of domestic finished good	33% of the value of domestic finished good

- **Environmental and Climate Change Impacts:** The use of air conditioning in offices and factories involves refrigerants of the HCFC-22 type, which have environmental and climate change impacts.

The Company manages risks by developing a 5-year long-term project plan for the electrical systems and air conditioning units.

Corporate Greenhouse Gas Mitigation Measures (5-Year plan: 2024-2028)

No.	Project	Year Project	Type	Investment (Baht)	Energy Savings (kWh/year)
1	Project for the Replacement of Split-Type Air Conditioner (72,000 BTU) at Building 1, Second Floor, Board of Directors' Reception Room	2024	Electricity	197,395	11,270
2	Project for the Replacement of Split-Type Air Conditioner (80,000 BTU) at Building 2, Second Floor, Factory	2024	Electricity	170,000	10,751
3	Project for the Reduction of Transformer Capacity at Building 5 from 1,000 kVA to 800 kVA	2024	Electricity	395,000	23,364
4	Project for the Improvement of Building Frame at Building 4, Second Floor (OTTV), by Reducing Transparent Walls and Minimizing Heat Infiltration	2024	Electricity	65,000	102,242

No.	Project	Year Project	Type	Investment (Baht)	Energy Savings (kWh/year)
Total 2024				827,395	142,627
5	Project for the Installation of Solar Rooftop System at Building 4 with an Installed Capacity of 524.20 kWp	2025	Electricity	12,377,918	770,011
6	Project for the Installation of Variable Speed Drive (VSD) to Regulate the Flow Rate of Chilled Water Pump in Accordance with Load Conditions at Building 3 (CHP No.1)	2025	Electricity	20,000	11,625
7	Project for the Replacement of 120 TR Evaporator Coil (AHU 2-2) at Building 4, Second Floor	2025	Electricity	468,600	75,971
Total 2025				12,866,518	857,607
8	Project for the Installation of Solar Control Film at Building 6, Second and Third Floors, East Side	2026	Electricity	129,120	12,200
9	Project for the Replacement of Package Water-Cooled Air Conditioning System with Variable Refrigerant Volume (VRV) System at Building 1, First Floor (AHU1-1, AHU1-2)	2026	Electricity	2,436,000	76,608
10	Project for the Replacement of Package Water-Cooled Air Conditioning System with Variable Refrigerant Volume (VRV) System at Building 4, Second Floor	2026	Electricity	9,600,000	766,944
11	Project for the Replacement of Package Water-Cooled Air Conditioning System with Variable Refrigerant Volume (VRV) System at Building 4, First Floor	2026	Electricity	3,438,000	203,472
Total 2026				15,603,120	1,059,224
12	Project for the Replacement of Package Water-Cooled Air Conditioning System with Variable Refrigerant Volume (VRV) System at Building 1, Third Floor, Exhibition Room	2027	Electricity	1,600,800	46,080
13	Project for the Replacement of Package Water-Cooled Air Conditioning System with Variable Refrigerant Volume (VRV) System at Building 1, Second Floor, Design, Research and Development Department	2027	Electricity	2,436,000	74,381
Total 2027				4,036,800	120,461
14	Project for the Replacement of Split-Type Air Conditioning System with Variable Refrigerant	2028	Electricity	1,869,000	157,500

Monitoring results confirm that dust levels in the workplace, as well as airborne substances discharged from the factory, remain within legal limits and do not cause adverse impacts on the environment.

Air Pollution Control Results in the Workplace (2022–2024)

Year	Measurement Item	Measured Result Range (mg/m ³)	Standard Limit 1 (mg/m ³)	Standard Limit 2 (mg/m ³)	Result
2024	Total Dust	0.238 – 0.679	15	10	Pass
	Respirable Dust	0.073 – 0.380	5	3	Pass
2023	Total Dust	0.017 – 0.057	15	10	Pass
	Respirable Dust	0.005 - 0.011	5	3	Pass
2022	Total Dust	0.556 – 2.500	15	10	Pass
	Respirable Dust	0.222 - 1.222	5	3	Pass

Note: Standard Limit1: The National Institute for Occupational Safety and Health (NIOSH)
Standard Limit2: American Conference of Governmental Industrial Hygienists (ACGIH)

Air Pollution Control from Production Processes (monitored once every three years)

Year	Measurement Item	Measured Result	Standard Limit	Result
2024	Stack Emission (Total Suspended Particulate)	<1 mg/m ³	400 mg/m ³	Pass
2023	Stack Emission (Sulfuric Acid)	0.09 ppm	25 ppm.	Pass

Note: Standard Limit: Notification of the Ministry of Industry, issued under Factory Act B.E. 2535 (1992), Opacity of Emission Air from Boiler, published in the Royal Government Gazette, B.E. 2549 (2006).

As a result of the Company's continuous environmental and pollution management efforts, the Company has never received any complaints from surrounding communities regarding environmental issues. The Company has obtained official confirmation of the absence of environmental complaints from the Bang Kho Laem District Office.



The **Certificate of No Environmental Complaints**
is issued by the **Bang Kho Laem District Office**.

3. Reduce greenhouse gas emissions from the Company’s activities by **7.14% cumulatively** compared with the 2022 baseline year (Scopes 1 and 2).

Result of Net Zero Pathway

List	Base Year 2022	Year 1 2024	Year 2 2025	Year 3 2026	Year 4 2027	Year 5 2028
Scope 1 (Ton CO ₂ e)	628	583	561	538	516	493
Scope 2 (Ton CO ₂ e)	3,518	3,267	3,141	3,015	2,890	2,764
Scope 3 (Ton CO ₂ e)	17,040	-	-	-	-	-
Total (Scope 1+2) (Ton CO₂e)	4,146	3,850	3,702	3,554	3,406	3,258
Accumulate % reduction compared base year (compared to the total)		7.14%	10.71%	14.29%	17.86%	21.43%
Performance results	2024	2025	2026	2027	2028	
Scope 1 (Ton CO ₂ e)	821					
Scope 2 (Ton CO ₂ e)	3,182					
Scope 3 (Ton CO ₂ e)	10,097					
Total (Scope 1+2) (Ton CO₂e)	4,003					
Accumulate % reduction compared base year (compared to the total)	3.45%					

Based on the results of greenhouse gas reduction activities in 2024 compared to the base year (2022), it was found that the total amount of Scope 1 and 2 greenhouse gas emissions in 2024 was 4,003 tons of carbon dioxide equivalent, a decrease of 3.45% compared to the base year. The company will compensate for the excess greenhouse gas emissions in the fifth year of the project using Renewable Energy Certificates (RECs) to ensure that operational results meet the organization's targets.

4. Treated wastewater from the Company's wastewater treatment system meets 100% of the effluent quality standards required by law.

The results of the waste water measurement in 2022 – 2024

Details	Unit	Point 1 In front of Building 1			Point 2 In front of Building 6			Point 3 In front of Building 3			Point 4 Behind Building 3			Legal Standard
		2022	2023	2024	2022	2023	2024	2022	2023	2024	2022	2023	2024	
1. pH Value	pH	7.3	7.2	7.8	7.8	7.4	7.8	6.9	7.2	7.6	7.8	7.4	7.5	5.5 - 9.0
2. Chemical Oxygen Demand (COD)	Mg/L	43.0	40.0	40.0	47.0	40.0	40.0	40.0	40.0	40.0	41.0	40.0	40.0	≤ 120
3. Color in Waste Water (COL)	ADMI	121.4	73.5	90.8	85.6	49.1	41.7	49.8	32.9	52.0	61.3	43.2	35.5	< 300
4. Organic Nitrogen and Ammonia Nitrogen (TKN)	Mg/L	12.0	14.3	40.3	37.0	43.1	29.0	7.0	13.0	18.5	23.0	38.0	30.9	≤ 100
5. Total Dissolved Solids (TDS)	Mg/L	520.0	348.0	365.0	388.0	260.0	274.0	347.0	243.0	351.0	322.0	221.0	268.0	≤ 3,000
6. Oil & Grease	Mg/L	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	≤ 5
7. Suspended Solids (SS)	Mg/L	10.0	10.0	10.0	10.0	10.0	10.0	12.0	13.0	10.0	10.0	10.0	10.0	≤ 50
8. Biochemical Oxygen Demand (BOD)	Mg/L	9.0	11.0	4.0	7.0	7.0	17.0	4.0	7.0	14.0	5.0	5.0	17.0	≤ 20
9. Water Temperature	°C	29.9	25.7	24.7	30.6	25.6	24.7	32.6	26.0	25.4	32.6	25.8	25.4	≤ 40

According to the wastewater measurement in 4 points in the company's areas, it was found that all measurement results conformed to the standards required by laws which had a non-adversary impact against environment and neighboring communities and in 2024, the company had no complaint concerning environmental issue of the relating party.

5. Reduce energy consumption by **at least 2%** compared with baseline data (2021–2022).

2024 Performance

The company has begun utilizing a primary source of energy, which is direct energy sourced from solar rooftops, as well as a secondary source of energy, which is indirect energy sourced from the Metropolitan Electricity Authority, in its manufacturing process.

In 2024, the company consumed 6,365,000 kWh. of electricity, which represented a 2.65% decrease over the previous year's consumption of 6,538,000 kWh. When considering the company's Energy Baseline statistical model equation (from January 2021 to December 2022), which the company has set as an indicator of energy performance of the organization, it was found that electricity consumption had decreased by 17.45% due to energy conservation measures. When considering the Specific Energy Consumption (SEC) value, electricity consumption was 3.322 megajoules per piece in 2024.

4 energy conservation measures were implemented in 2024, aimed at improving energy efficiency and investing in technology that utilize energy from renewable energy sources. These measures consisted of the following projects:

1. Project to improve the building envelope according to BEC (Building Energy Code) standards at Building 4.
2. Project to replace the 1,000 kVA transformer with an 800 kVA transformer.
3. Project to change the 72,000 BTU. Split-type air conditioners in the Board of Directors' reception room.
4. Project to change the 80,000 BTU. Split-type air conditioners in the building 2.

2024 Energy Saving Performance



Energy saving result compared to energy baseline was **1,345,574.00** KWh./Year



Energy costs reduced
6,418,386 Baht/Year



Reduced greenhouse gas emission: **73.78** TonCO₂e

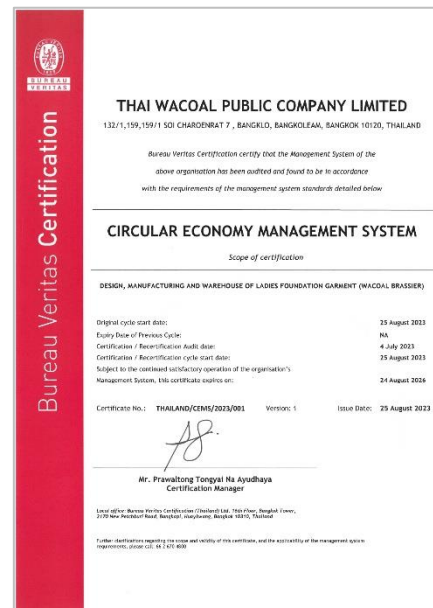
Energy and Greenhouse Gas Management

Energy and greenhouse gas information	Unit	2022	2023	2024
Electricity usage for the entire organization	Kilowatt-hour	7,036,000	6,538,000	6,365,000
Energy consumption index	Megajoules per piece	3.323	3.282	3.322
Electric energy consumption reducing from the implementation of the measure	Kilowatt-hour	225,908.35	1,060,086	146,750
Amount of greenhouse gas emission	TonCO ₂ e	3,517.30	3,268.34	3,181.86
Amount of greenhouse gas emission reduction	TonCO ₂ e	112.7	529.93	73.36

Furthermore, the company was granted the ISO 14001 environmental management system certification and ISO 50001 energy management system certification by Bureau Veritas Certification (Thailand) Ltd. Moreover, the company was engaged in collaboration activities with the government sector on environmental protection through the assessment of environmental impacts to serve as the basis for sustainable environmental safeguard activities. Additionally, the company was granted the Green Industry Certificate in Level 4 - Green Culture for the 3rd time from the Ministry of Industry, the Eco Factory Certificate from the Federation of Thai Industries, Likewise, the company also received the first Circular Economy Management System (CEMS) Certification in Thailand from Bureau Veritas Certification (Thailand) Ltd., reflecting that everyone within the organization conducts its business operations in an environmentally friendly manner, which has become an integral part of the corporate culture.



ISO 50001 CERTIFICATE



CIRCULAR ECONOMY MANAGEMENT SYSTEM CERTIFICATE



Eco Factory Certificate



Green Industry Certificate