

Green Environmental Management



4.1 Climate Change Management



4.2 Raw Materials & Water Resources



4.3 Energy & GHG Emissions



4.4 Waste Management



宏泰電工股份有限公司
HONG TAI ELECTRIC INDUSTRIAL CO., LTD

Climate Change Management

CLIMATE CHANGE MANAGEMENT

Policy	A Sustainable Development Committee under the Board identifies climate-related risks and opportunities using the TCFD framework.
Strategy	Complete Group GHG inventory and third-party verification, reducing impact through risk transfer, mitigation, and avoidance.
Goals	Regulations require completion of the Group GHG inventory by 2028; the Company already achieved this ahead of schedule in 2024.



Policy & Regulatory Risk



Transition (Market) Risk



Extreme Weather Physical Risk



Energy-Efficient Product Market Opportunity



Renewable Energy Demand Opportunity



High-Voltage Cable Development Opportunity

01

2024

Ahead of schedule—
completed Group GHG inventory and third-party
verification early

2025

Adopted the ISO 50001 energy management system

Decarbonization targets and emission strategies are reviewed annually, with rolling adjustments made in real time to respond to carbon fee collection and regulatory changes.

Raw Materials & Water Resources

RAW MATERIALS & WATER RESOURCES

Policy	Actively implement water resource management and use packaging materials with high recovery and reuse rates to reduce resource consumption.
Strategy	Assess site water resource risk using the World Resources Institute's Water Risk Atlas and strengthen wastewater treatment.
Goals	Continuously improve packaging recycling rates, keeping wastewater discharge quality better than industrial park treatment standards.

95.5%

Wooden reel packaging recycling rate

100%

Steel reel packaging recycling rate

Low-to-Medium Risk

Plant water risk (WRI assessment)



Wastewater Quality Far Exceeds Discharge Standards

In 2025, total wastewater discharge was 7,850 cubic meters, sedimented and filtered before discharge to the industrial park's wastewater treatment plant. COD was 86.9 ppm (standard: 560), suspended solids 19.65 ppm (standard: 480), and BOD 21 ppm (standard: 400)—all three indicators far exceeding regulatory standards.

Water Quality Performance

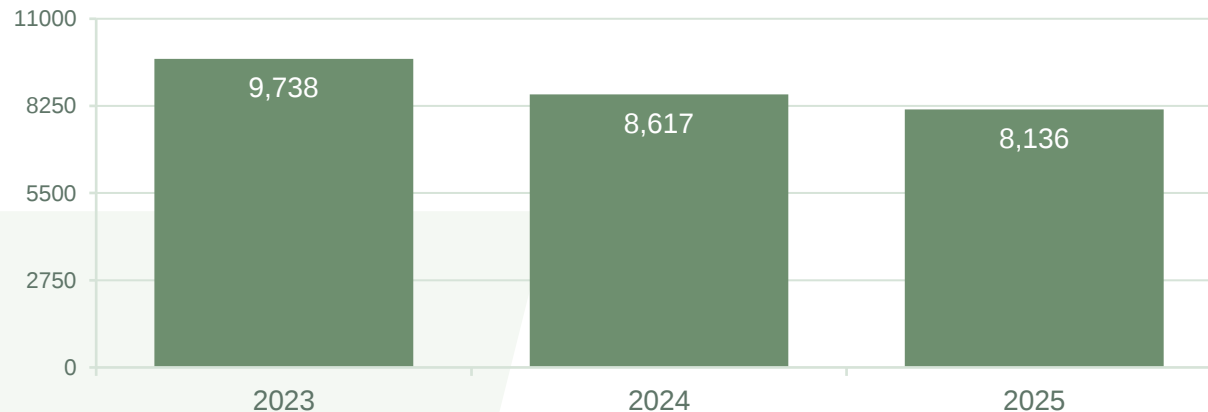
02

Energy & GHG Emissions

ENERGY & GHG EMISSIONS

Policy	Adopted the ISO 50001 energy management system in 2025 to identify major energy-consuming equipment and energy-saving potential.
Strategy	Replace aging equipment, build energy storage systems, conduct GHG inventories per ISO 14064-1, and apply PDCA management.
Goals	Decarbonization target: 2% annual reduction for 2025–2030, rising to 4.28% annual reduction for 2037–2050, moving toward net zero.

Total GHG Emissions Trend (metric tons CO₂e, 2023–2025)



Emission intensity (tons CO₂e / NT\$M revenue) 2023: 1.57 → 2024: 1.31 → 2025: 1.08

03

Down 6.3%

2025 GHG emissions decreased versus 2024

6.71

Energy intensity, GJ / NT\$M revenue (down 44% vs. 2023)

Guanyin plant electricity savings down 2.24% versus 2024

Energy Saving Actions & Waste Management

ENERGY SAVING ACTIONS & WASTE MANAGEMENT

Policy	Promote equipment upgrades and office energy-saving measures; waste is recycled through qualified haulers per regulations.
Strategy	Build energy storage systems, promote e-invoices and e-payslips, and sell recyclable waste materials to qualified vendors.
Goals	Continuously reduce per-unit energy consumption and GHG emissions, with zero major leaks or air-pollution penalty incidents all year.



Coarse wire-drawing machine upgrade, 47% energy savings



UPS air conditioning improvement, 32.5% energy savings



Cumulative solar capacity: 1,840.07 kW



All air pollution monitoring items in regulatory compliance



Recyclable waste sold to qualified vendors



No major leaks or penalty incidents

04

297,841 kWh

2025 annual electricity savings, reducing approx.
115,636.6 metric tons CO2e

17,676

E-invoices / e-payslips issued in total

All waste is removed and recycled under contract with licensed professional waste haulers, monitored per waste management procedures.

Building a Sustainable Environment Through Green Action

Down 6.3%

2025 GHG emissions decreased versus 2024

ISO 50001

Energy management system adopted in 2025

297,841 kWh

Total annual electricity savings

100%

Steel reel packaging recycling rate

1,840kW

Cumulative installed solar capacity

0

Major pollution penalty / leak incidents