

# Development of Sustainable Development

Achievements in energy conservation, environmental protection, and carbon reduction from 2023 to 2024

## Energy Management

In alignment with the government's renewable energy promotion goals, solar panels were installed at the Tuku Plant in Yunlin in 2015. The solar energy generated is fed back to the government as an alternative to conventional electricity sources, demonstrating our commitment to environmental protection and sustainable development.

To promote a paperless office environment, we have adopted an electronic document system and use email for official communications, significantly reducing paper consumption. We procure copy paper certified by the Programme for the Endorsement of Forest Certification (PEFC), advocate for double-sided printing, and use recycled paper for non-essential documents. Obsolete documents are regularly sent to professional recycling facilities for secure destruction, contributing to the supply of recycled pulp. Since 2020, the company has gradually transitioned its members and fans to digital platforms such as APP, Web, and OTT for video content sales. Consumers can now stream Pili series online, reducing reliance on physical DVD production. Employees are encouraged to bring reusable cups to meetings, and disposable cups are avoided except for guests, minimizing environmental impact.

Effective energy management is essential for reducing operational costs, enhancing corporate image, and mitigating environmental impact.

Energy Management Measures

Measure Type	Description
Lighting System Optimization	<ul style="list-style-type: none"><li>● Replaced traditional incandescent and fluorescent lights with LED lighting to reduce electricity consumption and extend service life.</li><li>● Installed automatic lighting systems in low-traffic areas such as warehouses and restrooms to enable motion-sensing control.</li></ul>
Air Conditioning and Ventilation Management	<ul style="list-style-type: none"><li>● Set air conditioning temperatures to optimal levels (approximately 26°C in summer and 20°C in winter) to minimize unnecessary energy use.</li><li>● Conducted regular cleaning and maintenance of air conditioning filters to improve operational efficiency and reduce energy waste.</li><li>● Implemented smart temperature control systems that automatically adjust heating and cooling based on indoor occupancy and climate conditions.</li></ul>
Equipment and Appliance Management	<ul style="list-style-type: none"><li>● Procured energy-efficient equipment certified with energy efficiency labels.</li><li>● Regularly inspected the sealing condition of refrigerators and cooling equipment to prevent energy loss due to air leakage.</li></ul>
Energy Monitoring and Data Analysis	<ul style="list-style-type: none"><li>● Installed sub-metering systems to analyze electricity consumption across different areas and optimize energy allocation.</li><li>● Conducted regular reviews of electricity bills to identify abnormal usage patterns and promptly address issues.</li></ul>
Renewable Energy Applications	<ul style="list-style-type: none"><li>● Installed solar panels to reduce reliance on grid electricity.</li><li>● Where feasible, collaborated with local power companies to participate in green energy programs such as wind or hydroelectric power.</li></ul>
Water and Energy Integration Management	<ul style="list-style-type: none"><li>● Installed water-saving faucets and toilets to reduce hot water usage and conserve both water and energy resources.</li></ul>
Employee Engagement	<ul style="list-style-type: none"><li>● Conducted energy-saving awareness training for employees, encouraging practices such as turning off lights and shutting down equipment when not in use to reduce waste.</li></ul>

The company actively adopts energy-efficient equipment and smart energy management systems in its office operations. Employees are encouraged to engage in daily energy-saving behaviors, such as the responsible use of air conditioning, lighting, and electronic devices. The office is equipped with energy performance assessment tools to regularly monitor energy consumption, enabling the formulation of further energy-saving strategies and ensuring minimal energy usage in the workplace.

In addition, recycling stations have been set up to promote waste sorting and resource recovery, thereby reducing waste generation. The company also advocates for the use of digital documents to minimize paper consumption and lessen the environmental burden. These concrete actions not only contribute to reducing energy consumption but also demonstrate our commitment to sustainable development.

Through the implementation of these energy management measures, the company not only lowers operational costs but also advances its sustainability goals and enhances its brand’s environmental value.

## Water Resource Management

As a company operating in the cultural and creative content industry, we do not engage in manufacturing processes and therefore do not generate wastewater, air pollutants, or other environmentally harmful waste. Our environmental performance remains sound, and no violations of environmental regulations were recorded in 2024.

The water resources used at our operational sites are sourced from municipal tap water. Our operations do not impact any natural water sources, and we do not utilize surface water, groundwater, or seawater. Wastewater generated is limited to domestic use and is discharged into the municipal treatment system, with no direct discharge into natural water bodies. As our Taipei headquarters does not involve any industrial production, the industrial water consumption is zero. We will continue to implement water-saving equipment to maximize the efficiency of water resource usage.

Although our operations do not involve large-scale pollutant emissions like those in the industrial manufacturing sector, we still adopt appropriate air quality management measures to safeguard employee health.

Water Resource Management – Pili International Multimedia

Water-Saving Policy/Measure	2024	2023	Annual Water Savings
1. Installation of sensor-activated water-saving devices (certified green products) for all washbasins, sinks, and urinals in the headquarters office.	7,478 kWh (1.1 kWh per ping)	11,240 kWh (1.1 kWh per ping)	3,762 kWh (0.4 kWh per ping)
2. Reduced water flow in pantry faucets and posted water-saving reminders to encourage conservation.			
3. Maintenance and repair of old pipelines to prevent leakage.			

# Waste Management

Each year, Pili International Multimedia enters into a **General Corporate Waste Disposal Agreement** with a licensed environmental engineering company. This contractor is responsible for the routine collection and disposal of general waste generated at the Content Center – Huawei Studio and Tuku Studio.

In accordance with the GRI 306: Waste standards, which aim to prevent environmental harm through effective waste management, Pili International Multimedia ensures that all waste handling practices meet regulatory and sustainability requirements.

As the company shares building management facilities with other tenants, our waste management procedures fully comply with the unified standards established by the building administration. The company generates only general waste (i.e., domestic waste), and no industrial or hazardous business waste is produced.

Management measures include regular waste sorting and recycling, reduction of single-use packaging, proper storage, and timely disposal of waste to ensure full compliance with local regulations and environmental protection requirements.

In addition, we place strong emphasis on enhancing employees’ environmental awareness. Through regular training on waste classification, we encourage active participation in waste reduction initiatives, further promoting efficient resource utilization and long-term environmental sustainability.

We also conduct regular monitoring of waste generation and disposal effectiveness, continuously optimizing management practices to reduce the environmental impact of construction and operational activities.

All waste generated by the company is transported under Category 4.3a: *Waste Transportation*. The mode of transport used is land-based logistics. In accordance with relevant emission calculation guidelines, the company applies **emission factor 01310** to estimate the carbon emissions associated with waste transportation activities.

This approach ensures that the environmental impact of waste disposal is fully accounted for within the company’s overall greenhouse gas inventory, aligning with our commitment to comprehensive environmental management and sustainability reporting.

Environmental protection expenditure

Item	Environmental Protection Expenditure in 2024	Environmental Protection Expenditure in 2023	Environmental Protection Expenditure Increase/Decrease Compared to Last Year (%)
Waste recycling volume (metric tons)	130 (Note)	150	-13%
Waste recycling/disposal fees	252,000 yuan	290,000 yuan	-13%

Note : The company’s waste primarily consists of daily office waste and materials generated from set construction, which are handled through recycling and proper disposal. In 2024, due to the use of bundled service contracts without weight-based tracking, the recycled waste volume was estimated based on the 2023 disposal costs. Accordingly, the estimated recycled waste volume for 2024 is **130 metric tons**.

# Low-carbon strategy

PILI has actively implemented a range of strategies to drive its low-carbon transition, aiming to reduce carbon emissions and enhance energy efficiency. Our low-carbon approach focuses on optimizing product design and logistics processes to achieve energy conservation and carbon reduction goals, thereby minimizing environmental impact. At the same time, we strive to improve product quality and accuracy to effectively reduce return rates and resource waste. Furthermore, by streamlining transportation and distribution strategies, we are able to lower logistics costs, achieving a win-win outcome for both environmental sustainability and economic performance.

These strategies and objectives reflect the company's commitment to low-carbon development and align with its broader direction toward intelligent operations and carbon reduction. Such initiatives not only contribute to environmental protection but also support the company’s sustainable growth. At our Tuku facility in Yunlin, solar panels have been installed to harness solar energy, which is fed back to the government as a substitute for conventional electricity sources. This initiative is part of our ongoing efforts to meet annual carbon reduction targets. In March 2023, we conducted an audit of our cumulative carbon reduction performance and estimated the changes in carbon emissions between the most recent year (2024) and the previous year.

Carbon reduction		
Carbon reduction in 2024 (Kg)	Carbon reduction in 2023 (Kg)	Carbon reduction % compared to last year
122 tons	160 tons	-24%

Based on our audit, the carbon reduction volume in 2024 decreased by 24% compared to 2023, primarily due to variations in solar irradiance caused by weather conditions, which led to a decline in solar energy conversion efficiency.

Carbon reduction is calculated as: **Power generated (kWh) × 0.474**

Equivalent number of banyan trees planted is calculated as: **(Power generated × 0.474) ÷ 10.1**