

2025-2027

ENVIRONMENTAL MANAGEMENT OBJECTIVE PLANNING



CHINA MERCHANTS PORT

01 General Provisions

Environmental issues such as climate change, environmental pollution, and the circular economy are becoming central topics in global discussions. China Merchants Port (CMPort) has always adhered to the core concept of green development and is committed to building a green ecological port system that coexists harmoniously with nature and thrives together.

To promote the green, intelligent and sustainable development of China Merchants Port, this plan takes the year 2024 as the baseline and rationally formulates the environmental management objective for the period from 2025 to 2027. Corresponding action plans are also put forward. The planning content covers six issues: climate change, pollutant emissions, waste treatment, energy utilization, water resource utilization, and circular economy.



Water Resource
Utilization



Circular Economy



Waste Treatment



Energy Utilization



Climate Change



Pollutant Emissions

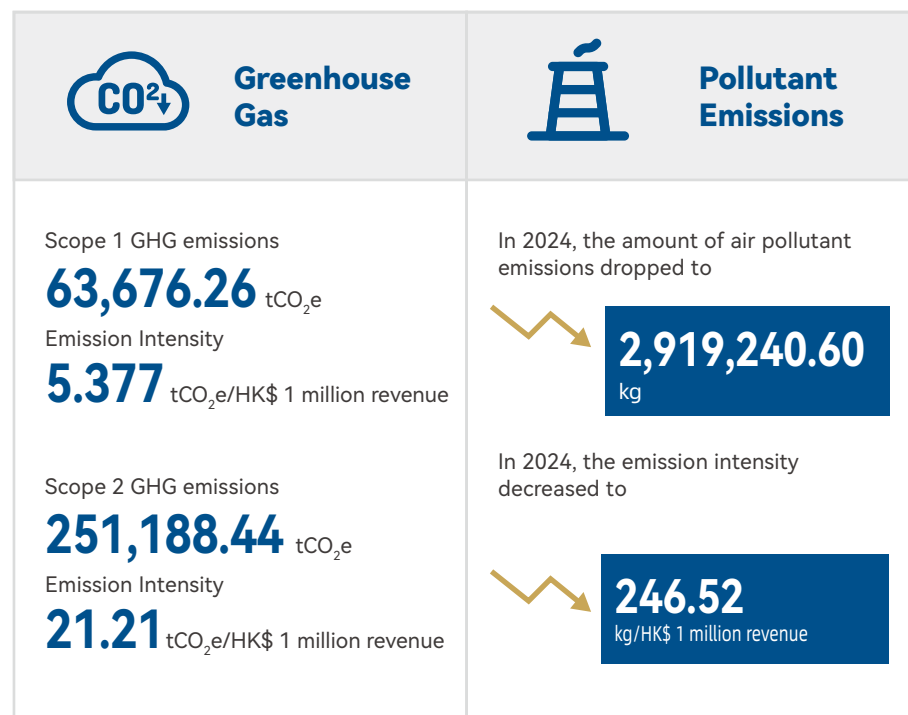
SIX
KEY ISSUES



02 Current Situation and Foundation

In 2024, CMPort adhered to the path of green and low-carbon transformation, actively promoted the use of green photovoltaic electricity, converted the power source of production equipment from fuel to electricity, phased out outdated equipment, and reasonably optimized the production process. Despite the expansion of business planning and the increase in business volume, the Scope 1 greenhouse gas (GHG) emissions were controlled at 63,676.26 tCO₂e, and Scope 2 GHG emissions were controlled at 251,188.44 tCO₂e. The emission intensities were 5.377 tCO₂e/HK\$ 1 million revenue and 21.21 tCO₂e/HK\$ 1 million revenue, respectively.

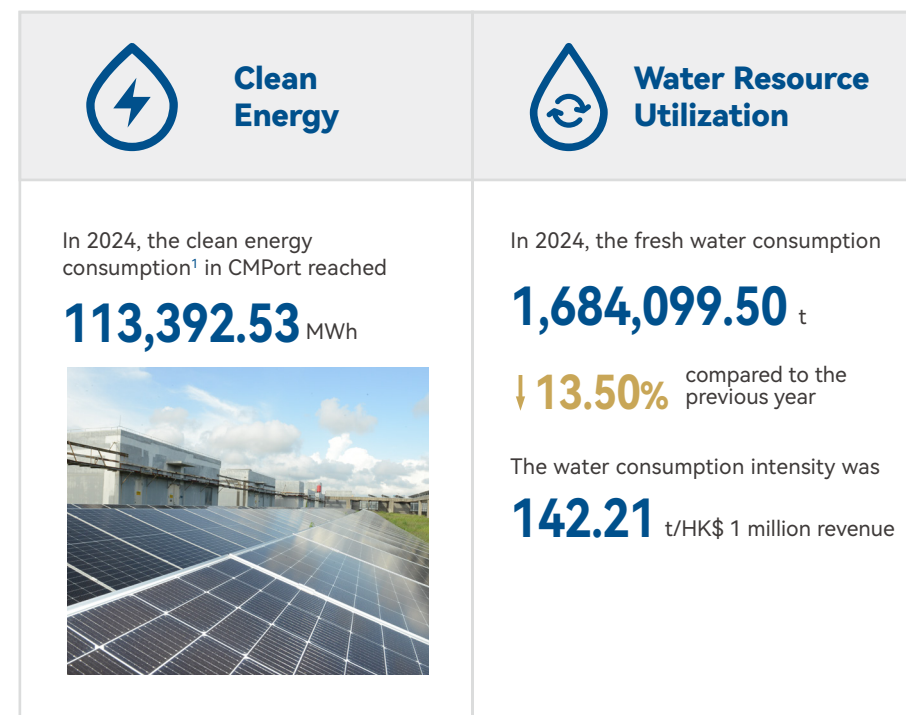
In terms of pollutant emissions, CMPort has achieved remarkable results. By implementing environmental dust suppression measures, it has reduced air pollutant emissions. In 2024, the amount of air pollutant emissions dropped to 2,919,240.60 kg, and the intensity decreased to 246.52 kg/HK\$ 1 million revenue.



CMPort actively responded to the national policy of "dual control policy" on energy consumption. To mitigate the adverse effects caused by increased energy consumption, CMPort has vigorously promoted the use of clean energy such as photovoltaic power. In 2024, the clean energy consumption¹ in CMPort reached 113,392.53 MWh.

In water resource management, CMPort prioritized water conservation by implementing water recycling and reuse measures, effectively promoting the saving and efficient utilization of water resources. In 2024, the fresh water consumption decreased by 13.50% compared to the previous year, reaching 1,684,099.50 tons. The water consumption intensity was 142.21 t/HK\$ 1 million revenue.



(1) It mainly consists of photovoltaic power generation and purchased green power.



02 Current Situation and Foundation

China Merchants Port actively promoted clean production and green operation, reducing waste at the source and made efforts to improve the comprehensive utilization level of waste. In 2024, the amount of total hazardous waste decreased by 4.4% compared to the previous year, down to 346.96 tons, with a 100% proper disposal rate of hazardous waste throughout the year. The amount of total non-hazardous waste decreased to 6,371.04 tons, and the intensity of total non-hazardous waste was 0.5380 t/HK\$ 1 million revenue, achieving substantial progress in waste reduction.

CMPort vigorously advocated and practiced the concept of a circular economy, viewing the recycling of renewable resources as an important way to enhance the company's sustainable development capacity. In 2024, the comprehensive utilization of waste reached 2,959.68 tons, with a utilization rate of 46.46%.

 Waste Treatment	 Circular Economy
<p>In 2024, the the amount of total hazardous waste decreased by</p> <p>346.96 t ↓ 4.4% compared to the previous year</p> <p>In 2024, the the amount of total non-hazardous waste decreased to</p> <p>6,371.04 t</p> <p>In 2024, the intensity of total non-hazardous waste was</p> <p>0.5380 t/HK\$ 1 million revenue</p>	<p>In 2024, the recycling utilization of general solid waste reached</p> <p>2,959.68 t</p> <p>In 2024, The utilization rate was</p> <p>46.46%</p>

03 Challenges and Opportunities

In terms of environmental management, China Merchants Port faces a series of severe and complex external challenges. These challenges not only originate from the increasingly stringent constraints of national and local environmental regulations but also profoundly touch upon the deep-seated need for the green transformation of the entire enterprise operation chain. In the context of climate change, CMPort must actively respond to the national goals of "carbon peak and carbon neutrality," and strictly control GHG emissions. Meanwhile, during the process of green upgrading and transformation, CMPort also faces challenges related to the investment required for new technology applications and technological transitions.

In the context of global green and low-carbon development, CMPort has seized the opportunity for green transformation. Since the promulgation of the Paris Agreement, green and low-carbon development has become a global consensus. As an important field of carbon emissions, the transportation industry is in urgent need of carbon reduction and transformation. The Government of the Hong Kong Special Administrative Region has issued the "Action Plan on Maritime and Port Development Strategy" to actively facilitate the green transformation of port enterprises. CMPort will increase clean energy usage through widely implementing equipment "fuel-to-electricity" conversion, vigorously promoting shore power for vessels, and increasing solar and wind energy utilization, advance green smart port construction through intelligent operations, digital management, and automated upgrades, and build green supply chains through green shipping cooperation and multimodal transport development, contributing to global sustainable development.



Increase clean energy usage through widely implementing equipment "fuel-to-electricity" conversion, vigorously promoting shore power for vessels, and increasing solar and wind energy utilization.

Advance green smart port construction through intelligent operations, digital management, and automated upgrades.

Build green supply chains through green shipping cooperation and multimodal transport development, contributing to global sustainable development.



04 Planning Objectives

1、Overall Objective

Guided by the principle of green port development and committed to becoming a world-class green and intelligent comprehensive port service provider, CMPort will benchmark against the world's top and China's leading port enterprises, leveraging group resource endowments, maximizing the advantages of subordinate units, coordinating environmental management allocation, systematically advancing sustainable development strategies, and accelerating the formation of a clear, distinctive, mutually reinforcing, and high-quality green and low-carbon development pattern, thereby bring CMPort new market opportunities.

2025

By 2025, CMPort aims to basically establish an environmental management framework with clear goals and significant green and low-carbon outcomes. During this phase, CMPort will promote the reduction of carbon emission intensity, energy consumption intensity, and pollutant produced intensity, and at the same time reduce water resource consumption. By constructing a circular economy system, enhancing clean production and green development capabilities, CMPort aims to form a high-quality green and low-carbon development pattern with distinctive features and complementary advantages.

2027

By 2027, CMPort will fully establish an intensive and efficient, green and low-carbon port system, and its environmental management capabilities will reach the international first-class level. The carbon emission intensity, energy consumption intensity, and pollutant emission intensity will significantly decline, and the water resource consumption will be further reduced. The circular economy system will be mature and efficient, forming a pattern of green coordinated development. Smart technologies will empower the low-carbon operation of the port in all aspects, creating a world-class green and intelligent comprehensive port service provider.

Vision of Sustainability:
Strive for a world-class green and intelligent comprehensive port service provider

2、Main Indicators and Action Plans

CO₂

Greenhouse Gas Emissions

2025

Scope 1 Intensity
5.270 tCO₂e /HK\$ 1 million revenue

Scope 2 Intensity
20.82 tCO₂e /HK\$ 1 million revenue

2027

Scope 1 Intensity
4.987 tCO₂e /HK\$ 1 million revenue

Scope 2 Intensity
20.53 tCO₂e /HK\$ 1 million revenue

Action Plan

Gradually promote the electrification transformation of port equipment to improve energy efficiency and reduce greenhouse gas emissions, including replacing traditional diesel-driven cranes, forklifts and transportation vehicles with electric equipment. Continue to invest in the construction of photovoltaic power generation projects and expand their scale. By installing solar panels on the rooftops and idle areas of port facilities, clean energy is provided for port operations. In addition, actively explore energy storage technologies to store excess solar power and improve the stability and reliability of energy.

Pollutant Emissions

2025

The intensity of air pollutant emissions will decrease by 1%

2027

The intensity of air pollutant emissions will decrease by 2.97%

Action Plan

Optimize the existing air pollutant treatment facilities and strengthen their maintenance work, including regular inspections, cleaning, and upgrading of the equipments to ensure their stable operation and achieve the best treatment results.



Energy Utilization

2025 The usage amount of clean energy will increase by **1.32%**

2027 The usage amount of clean energy will increase by **3.87%**

Action Plan

Continue to invest in the construction of photovoltaic power generation projects and expand their scale. Actively explore energy storage technologies to store surplus solar power, thereby improving the stability and reliability of energy. Actively promote the electrification of equipment and the electrification



Water Resource Utilization

2025 The water consumption intensity will decrease by **1%**

2027 The water consumption intensity will decrease by **2.97%**

Action Plan

Strengthen water-saving measures, such as installing water-efficient equipment and improving the water usage process. Implement rainwater collection and utilization projects in areas where conditions permit to collect and store rainwater for the non-potable water needs within the port. By recycling water resources, minimize freshwater consumption.



Waste Treatment

2025 The intensity of total non-hazardous waste will decrease by **2%**

The proper disposal rate of hazardous waste **100%**

2027 The intensity of total non-hazardous waste will decrease by **5.88%**

The proper disposal rate of hazardous waste **100%**

Action Plan

Improve the waste classification, collection, storage, and transportation system, and enhance the classification accuracy. This includes training employees and investing in more advanced classification and treatment equipment to increase the recycling and utilization rate of waste. By establishing strict monitoring and reporting mechanisms and collaborating with professional waste treatment companies, strengthen the supervision of hazardous waste disposal to ensure the proper and compliant disposal of hazardous waste.



Circular Economy

2025 The waste utilization rate is targeted to reach **47.88%**

2027 The waste utilization rate is targeted to reach **50.85%**

Action Plan

Establish a resource recycling system within the port zone, propel coordinated cooperation along the upstream and downstream segments of the industrial chain, and foster the circular utilization of resources.

