

# Yokohama Kawasaki Port Seminar in Jakarta

## Port of Yokohama Initiatives



July 17th 2025

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Director General

Port and Harbor Bureau, City of Yokohama

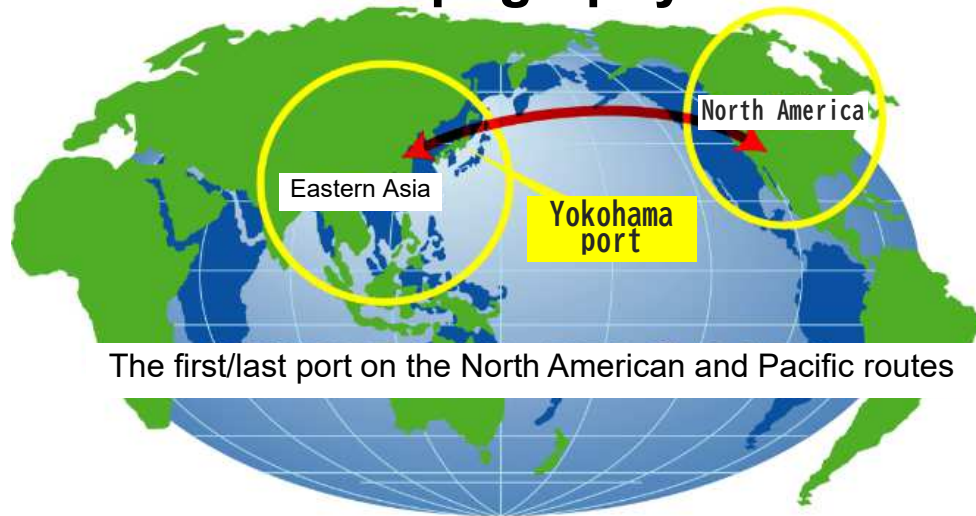
# Table of contents

1. Outline of the Port of Yokohama
2. Advantages of the Port of Yokohama



# 1. Outline of the Port of Yokohama

## ■ Location & Topography



The first/last port on the North American and Pacific routes

- ✓ The Port of Yokohama is located on Tokyo Bay and at the eastern end of the Asian region, a location that can be **the first/last port on the North American and Pacific routes**.
- ✓ Close to the mouth of Tokyo Bay.
- ✓ **Naturally blessed with the most favorable conditions such as water depth.** Cargo handling is rarely affected by natural conditions such as wind and tidal current/variation. No need for periodic dredging due to lack of river inflow.



# 1. Outline of the Port of Yokohama



Tons of handling weight in 2024: 101 million tons

containers



46 million tons

3.1 million TEUs

roll-on/roll-off



15.7million tons

740,000 vehicles

oceangoing vessels



8,602 vessels/year

liquid bulk



20.7 million tons

dry bulk



15.4 million tons

cruise ships



147 calls

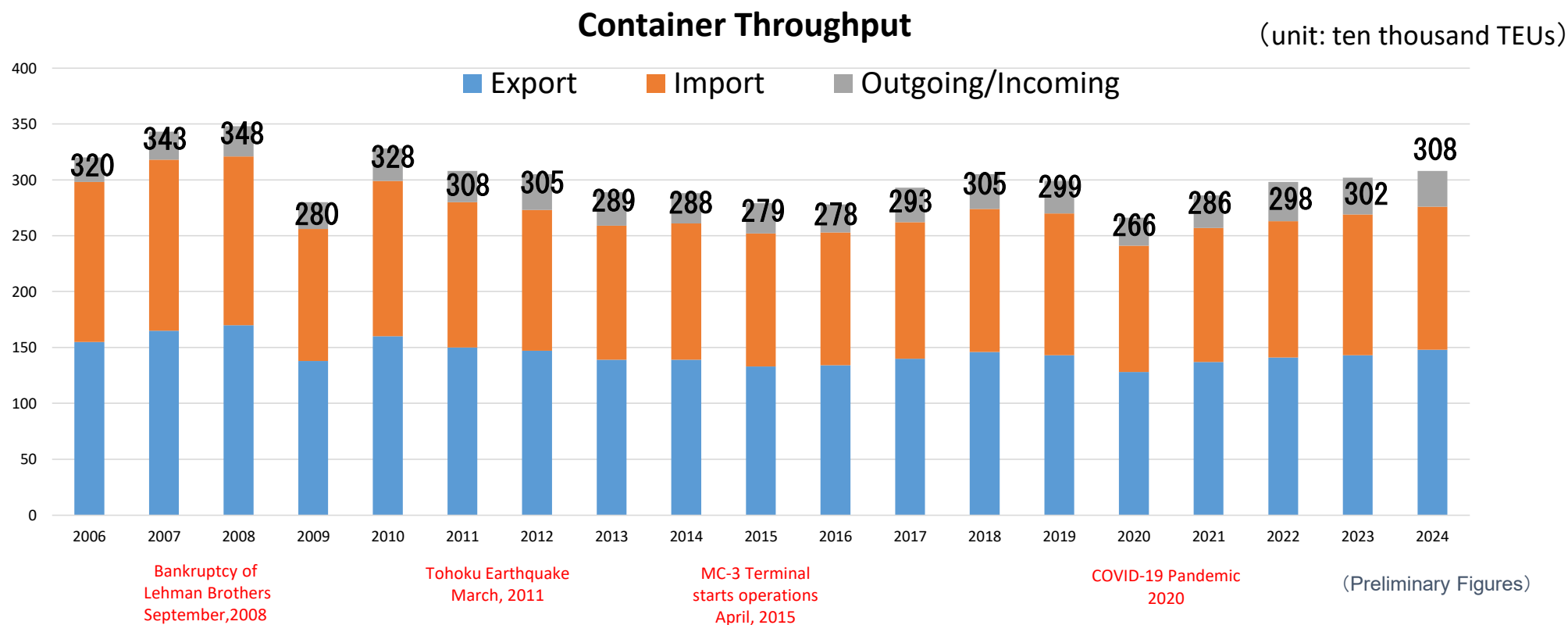
coastal vessels



18,810 vessels/year

As of 2024

# 1. Outline of the Port of Yokohama

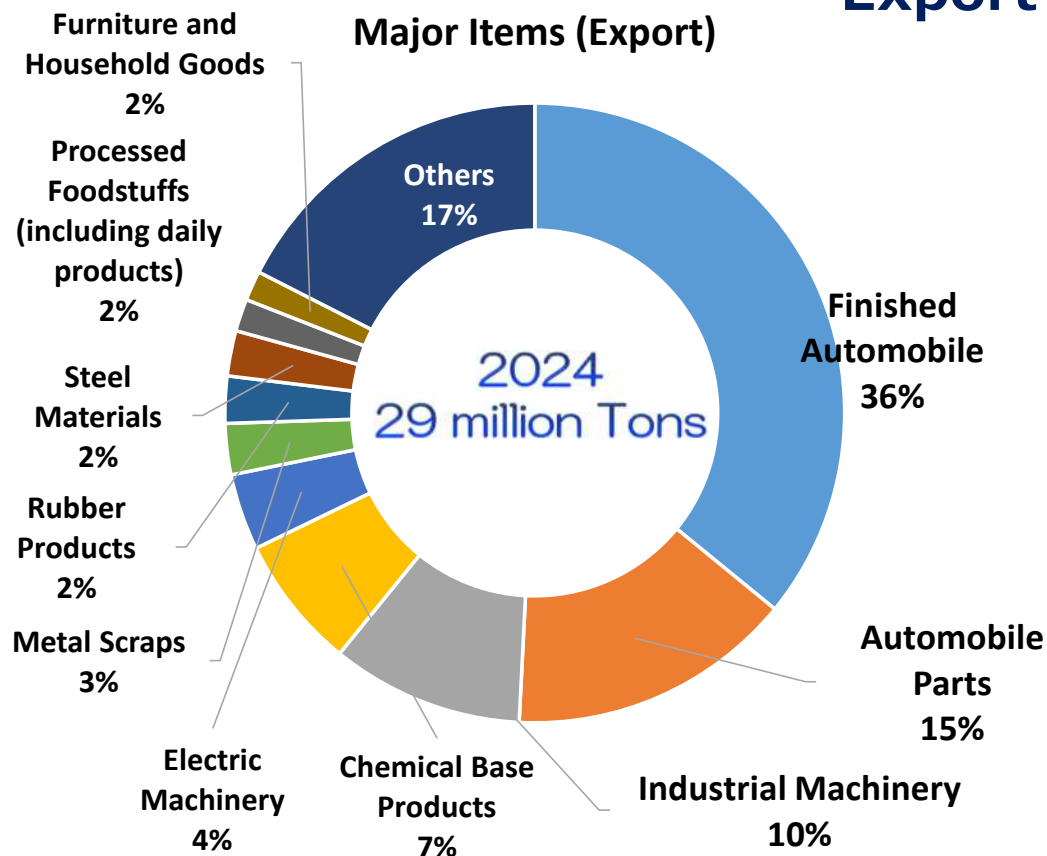


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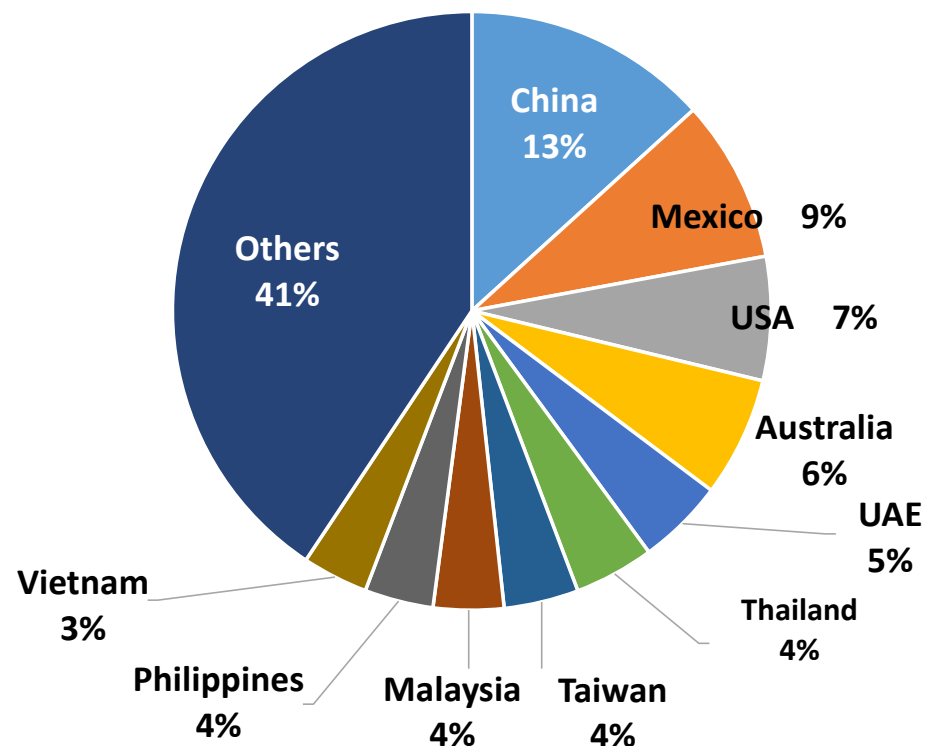


## Export (Weight Base)

Major Items (Export)



Major Countries (Export)

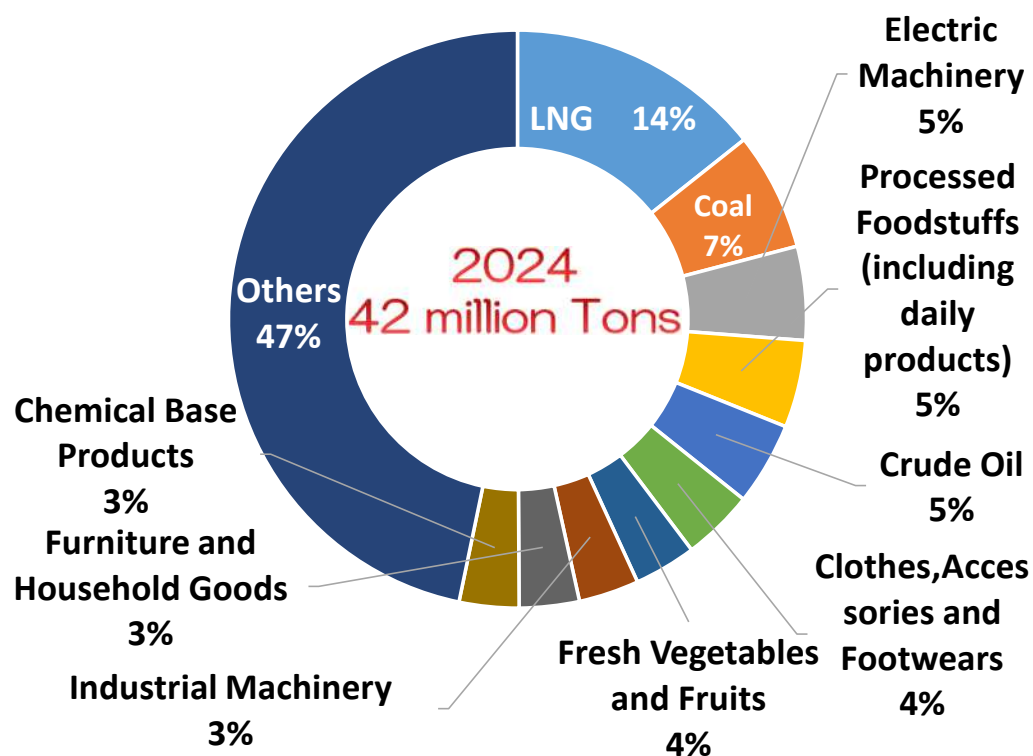


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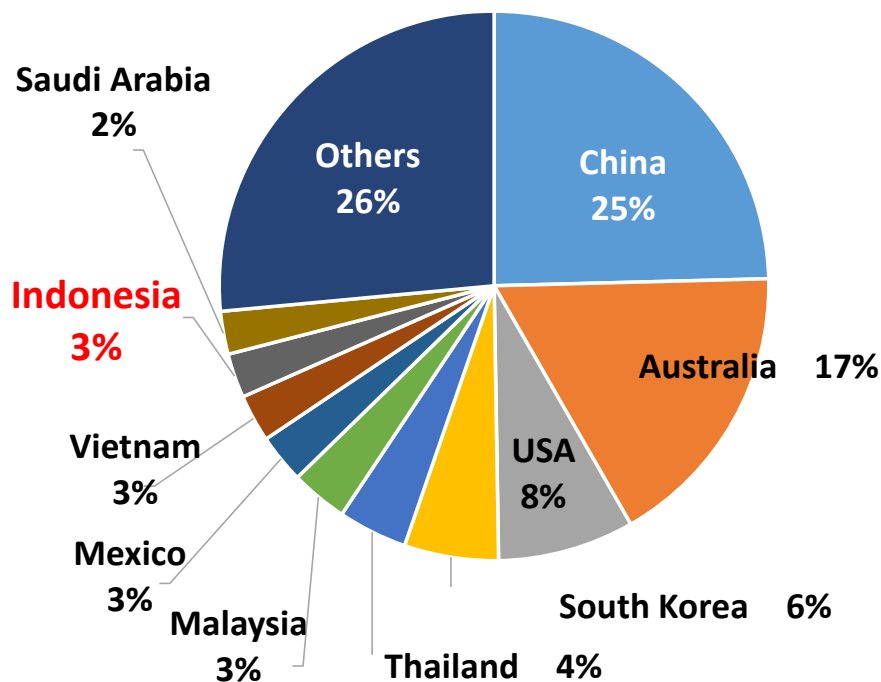


## Import (Weight Base)

Major Items (Import)



Major Countries (Import)



# 1. Outline of the Port of Yokohama

*Mt. Fuji*

The Port of Yokohama is an all-round player in the maritime industry. We have a variety of functions such as logistics, production and tourism. The number of incoming oceangoing vessels has been No.1 among Japan since 1964.

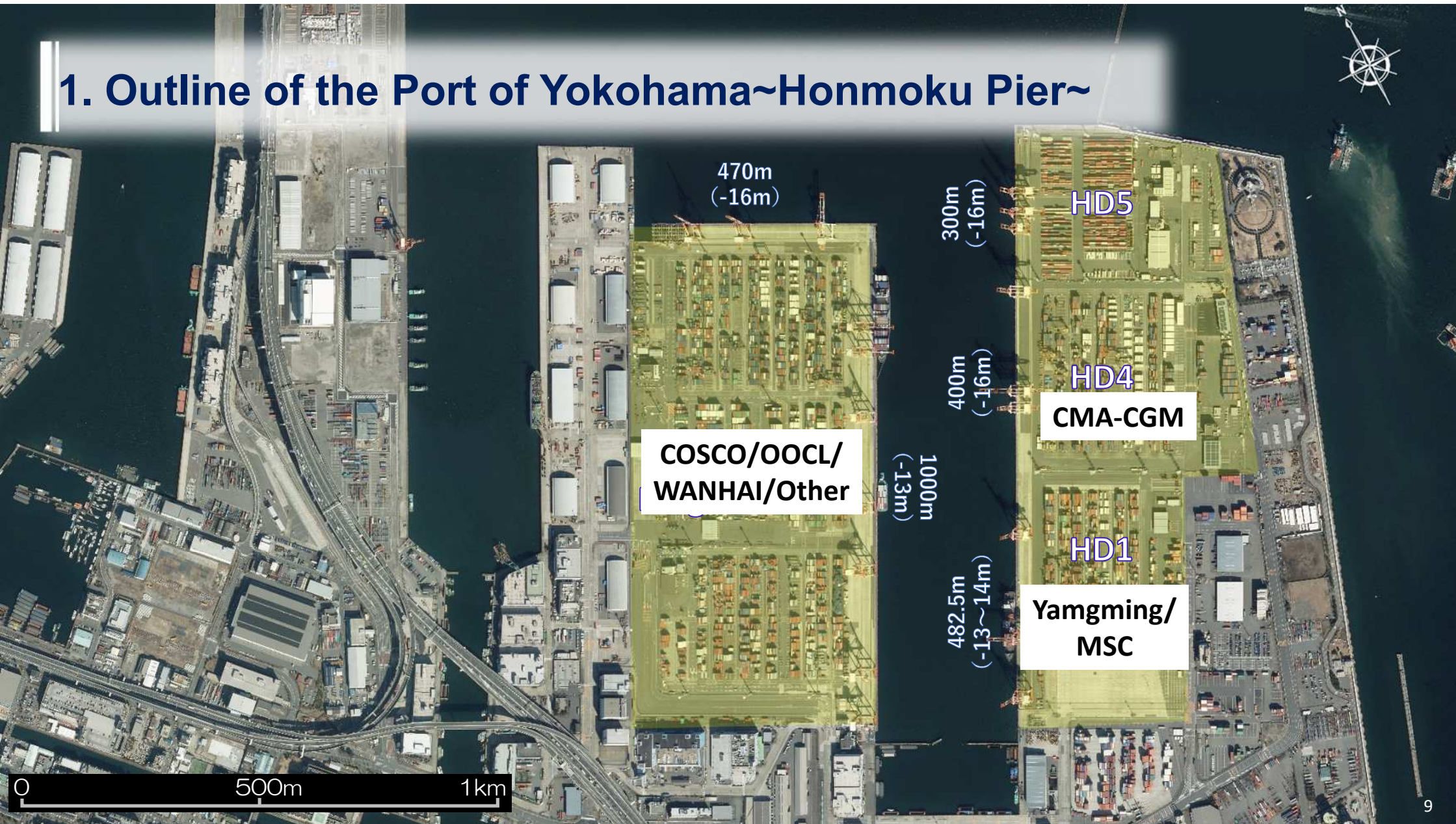
**Industrial area**

**Passenger & urban use**

**Container wharves**

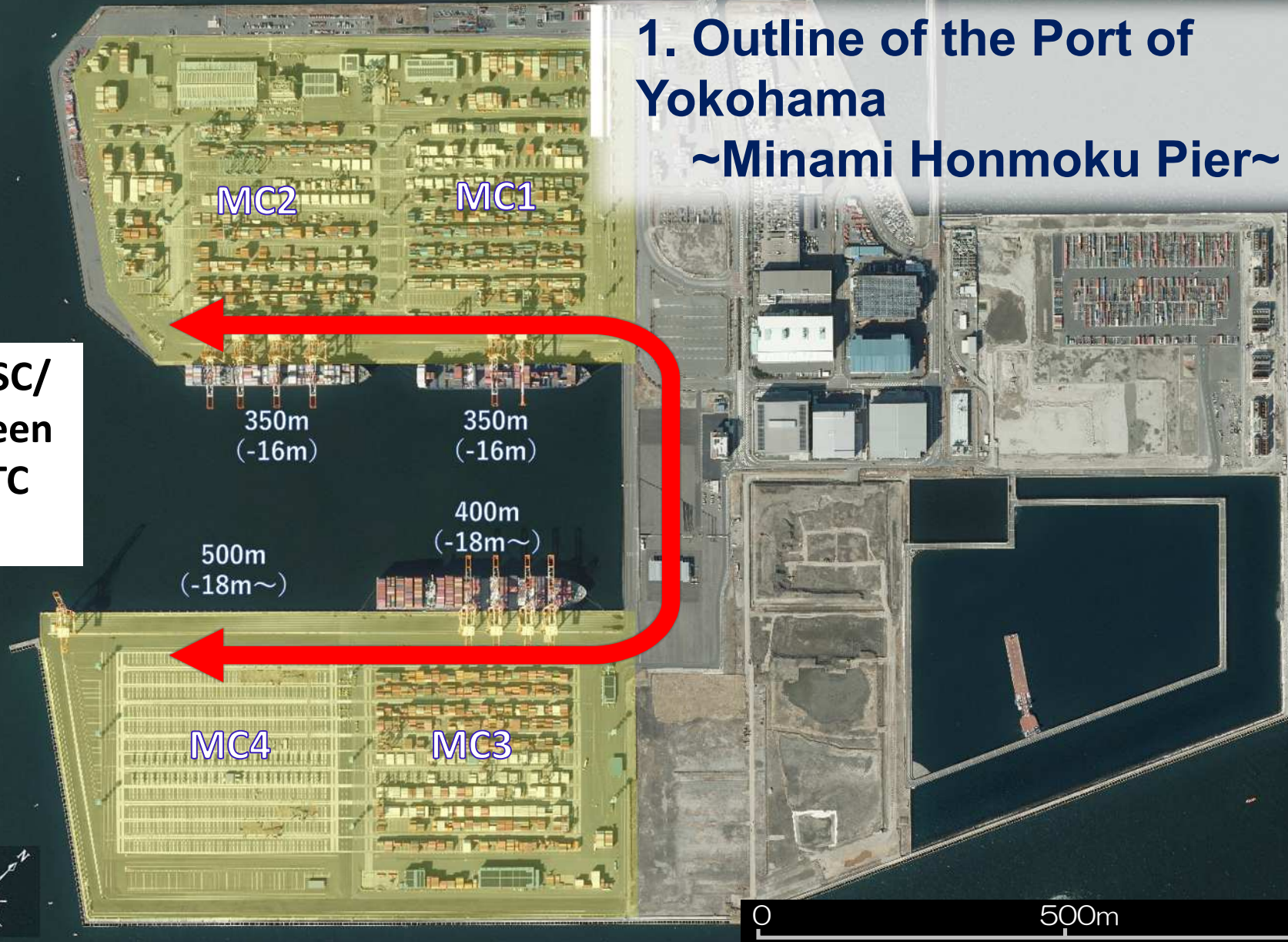
**Ro/Ro terminals**

# 1. Outline of the Port of Yokohama~Honmoku Pier~



# 1. Outline of the Port of Yokohama ~Minami Honmoku Pier~

MAERSK/MSC/  
ONE/Evergreen  
/Hapag/SITC  
/Other



# 1. Outline of the Port of Yokohama~Shin-Honmoku Pier~

Under construction

1000m  
(-18m~)

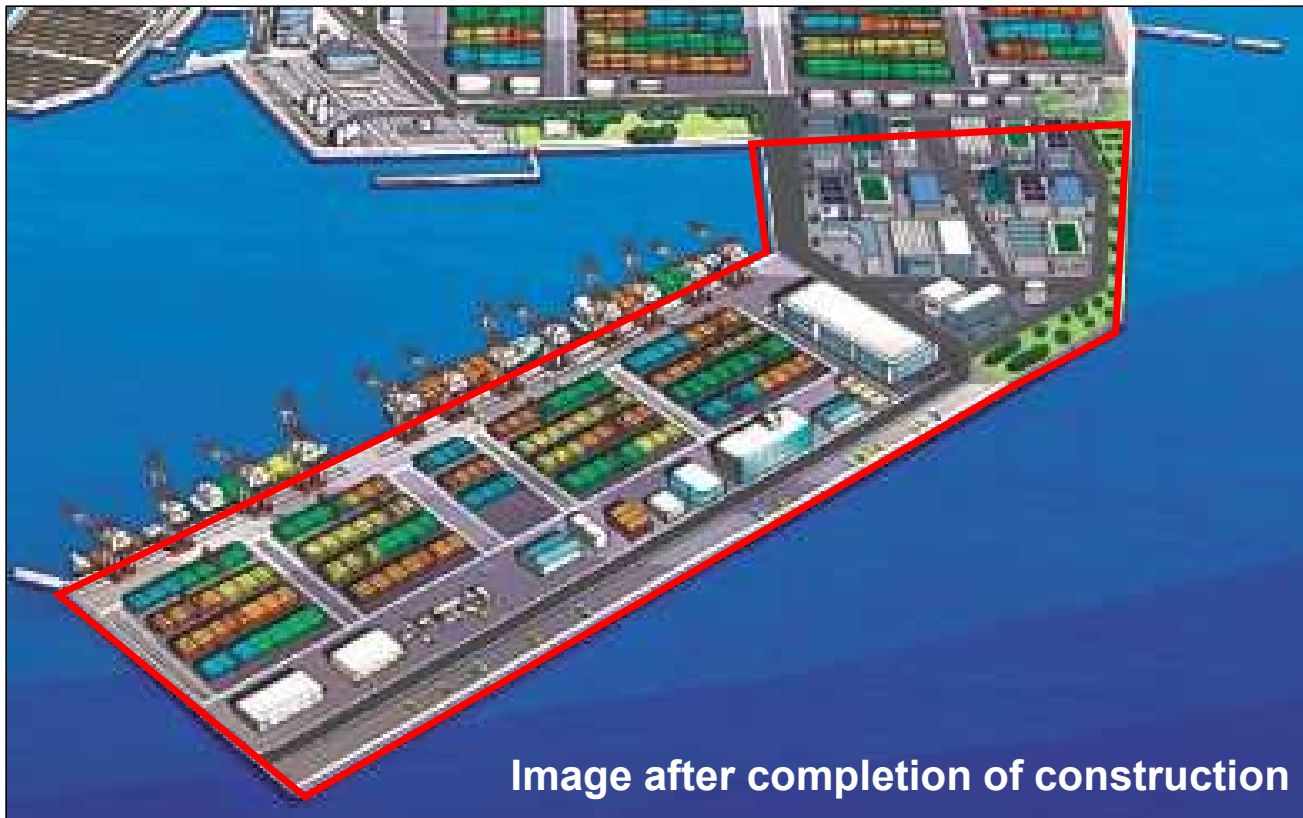
SH2

SH1



0 500m 1km

# 1. Outline of the Port of Yokohama~Shin-Honmoku Pier~



# 1. Outline of the Port of Yokohama

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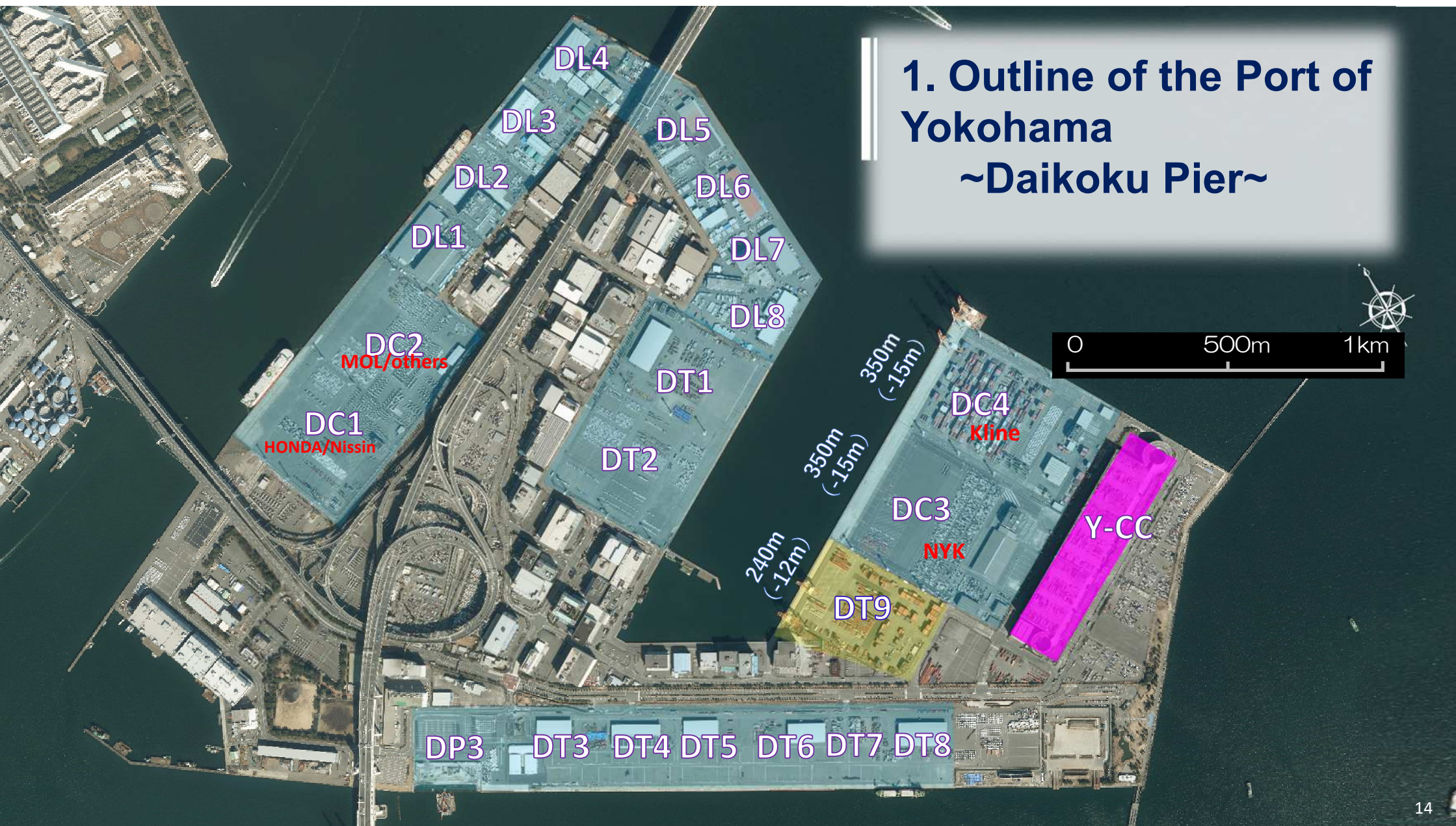
**Industrial area**

**Passenger & urban use**

**Container wharves**

**Ro/Ro terminals**

# 1. Outline of the Port of Yokohama ~Daikoku Pier~



## 1. Outline of the Port of Yokohama~Daikoku Pier~



Yokohama Port Cargo Center



# 1. Outline of the Port of Yokohama~Daikoku Pier~



	Logistics wing	Office wing
Building Structure	PC prestressed concrete, 5 stories	Steel construction, 8 stories
Total floor space	305,449m <sup>2</sup>	12,700m <sup>2</sup>
Section	4,300m <sup>2</sup> × 11bay × 5stories	72m <sup>2</sup> × 70sections



## 2. Advantages of the Port of Yokohama



- 1 Highly efficient port operations
- 2 Diversification of shipping routes
- 3 Reduction of shipping lead time
- 4 Decarbonization initiatives

## 2. Advantages of the Port of Yokohama

### (1) Highly efficient port operations

Yokohama Port ranked first in CPPI in 2020.

CPPI is an index that measures the efficiency of container ports.

- ✓ The World Bank announced that Yokohama Port is the best in the world in 2020.
- ✓ Efficient container terminal operations and high-quality port services were evaluated comprehensively.



“Container Port Performance Index 2020”  
©World Bank & IHS Markit

Rank	Port name
1	YOKOHAMA
2	KING ABDULLAH PORT
3	QINGDAO
4	KAOHSIUNG
5	SHEKOU
6	GUANGZHOU
7	HONG KONG
8	ZHOUSHAN
9	SALALAH
10	YANGSHAN



## ■ Container Liner Services

**Container Liner Services**  
(As of May 2025)

**Number of Routes: Total 94**

Region	Number of Routes
China	34
Southeast Asia	36
South Korea	8
Others	1
North America West coast	7
North America East Coast	1
Australia	2
South America	5

**Destinations:**

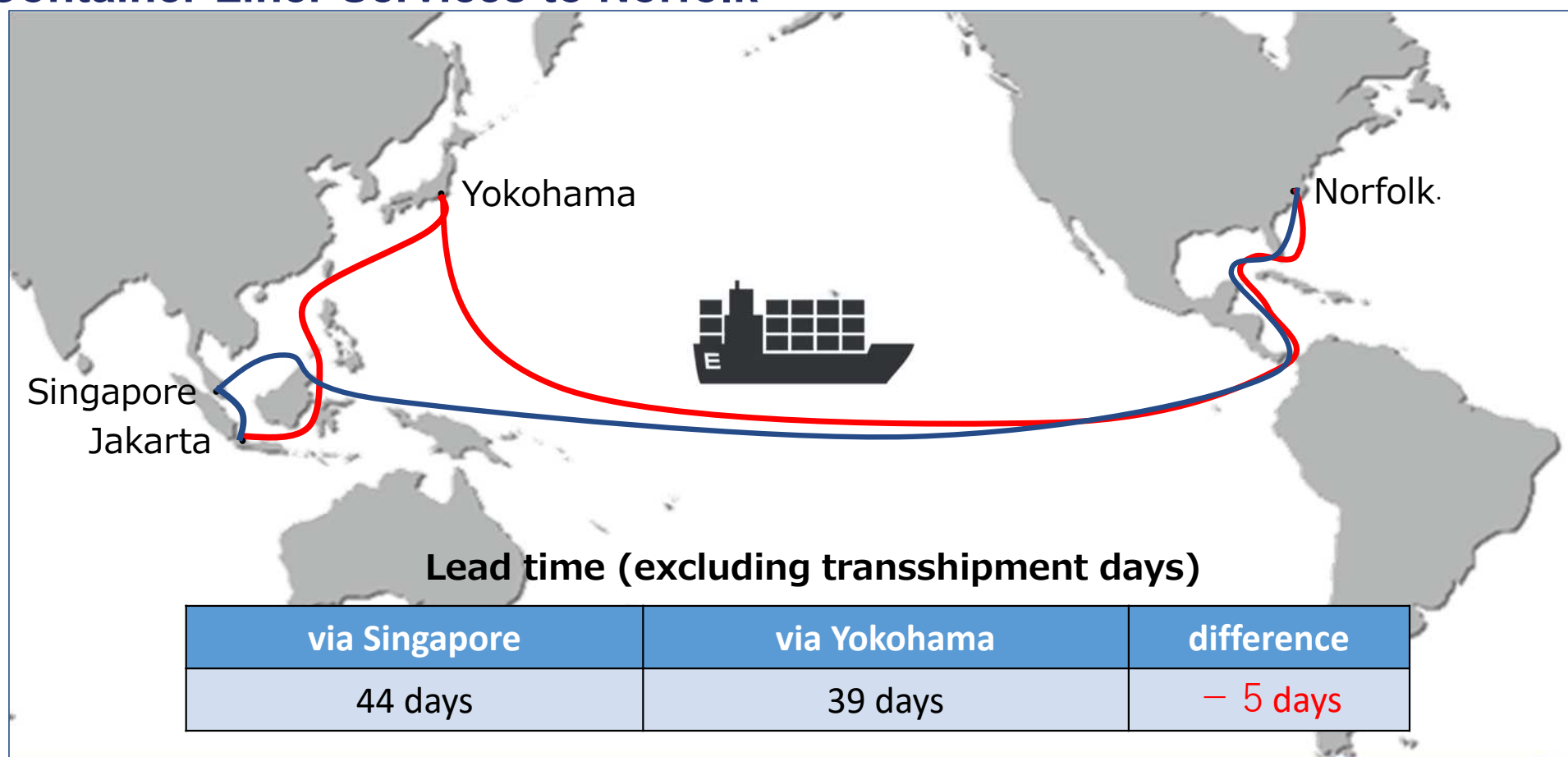
- China:** 大連 (Dalian), 青島 (Qingdao), 釜山 (Busan), 上海 (Shanghai), 香港 (Hong Kong), 高雄 (Kaohsiung)
- Southeast Asia:** Bangkok, Laem Chabang, Tanjung Pelepas, Singapore, Jakarta, Manila
- South Korea:** 横滨 (Yokohama), 釜山 (Busan)
- Others:** Vladivostok
- North America West coast:** Prince Rupert, Vancouver, Seattle, Oakland, Long Beach, Honolulu
- North America East Coast:** New York, Norfolk, Charleston, Savannah, Miami
- Australia:** Port Louis, Durban, Port Elizabeth, Fremantle, Adelaide, Sydney, Melbourne, Tauranga
- South America:** Manzanillo, Balboa, Callao, San Antonio

## 2. Advantages of the Port of Yokohama

### (3) Reduction of Shipping Lead Time



#### ■ Container Liner Services to Norfolk



## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives

#### Port and Harbor Decarbonization Plan for the Port of Yokohama

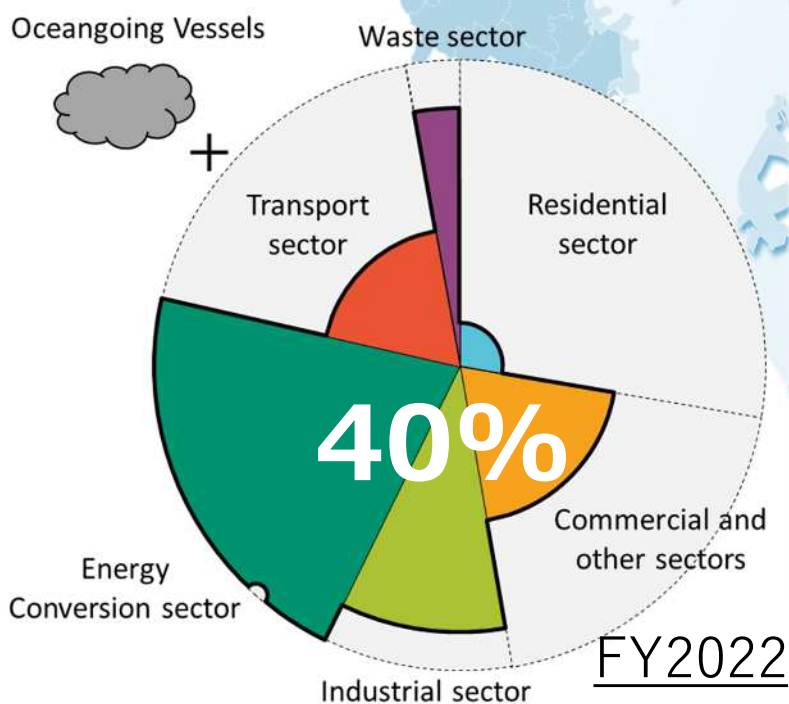


Port and Harbor Bureau, City of Yokohama

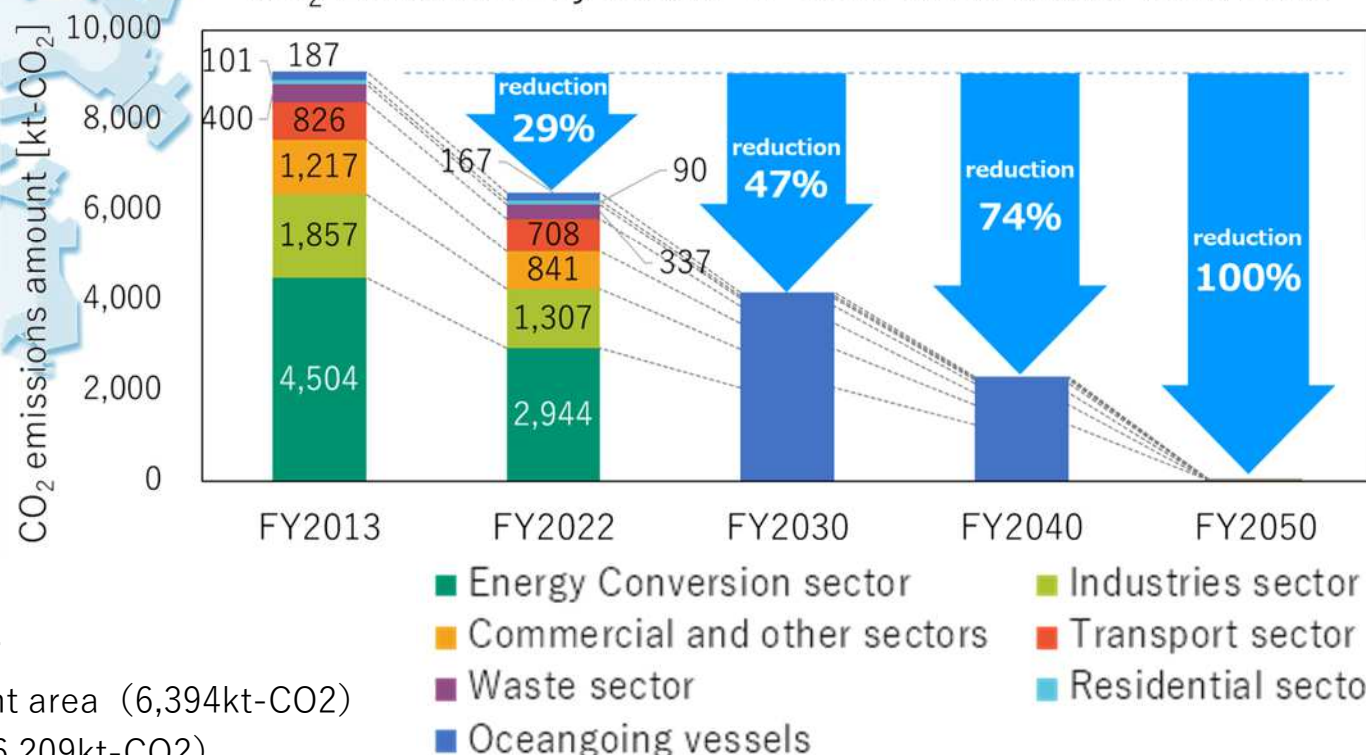
## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives

40% of CO<sub>2</sub> emissions in Yokohama are from the waterfront area



CO<sub>2</sub> Emissions by Sector in Yokohama Waterfront Area



Inner: CO<sub>2</sub> emissions from the waterfront area (6,394kt-CO<sub>2</sub>)

Outline: CO<sub>2</sub> emissions from the city (16,209kt-CO<sub>2</sub>)

CO<sub>2</sub> emissions from oceangoing vessels are not covered by the national GHG inventory of Japan and are not included in the emissions from the city.

## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives

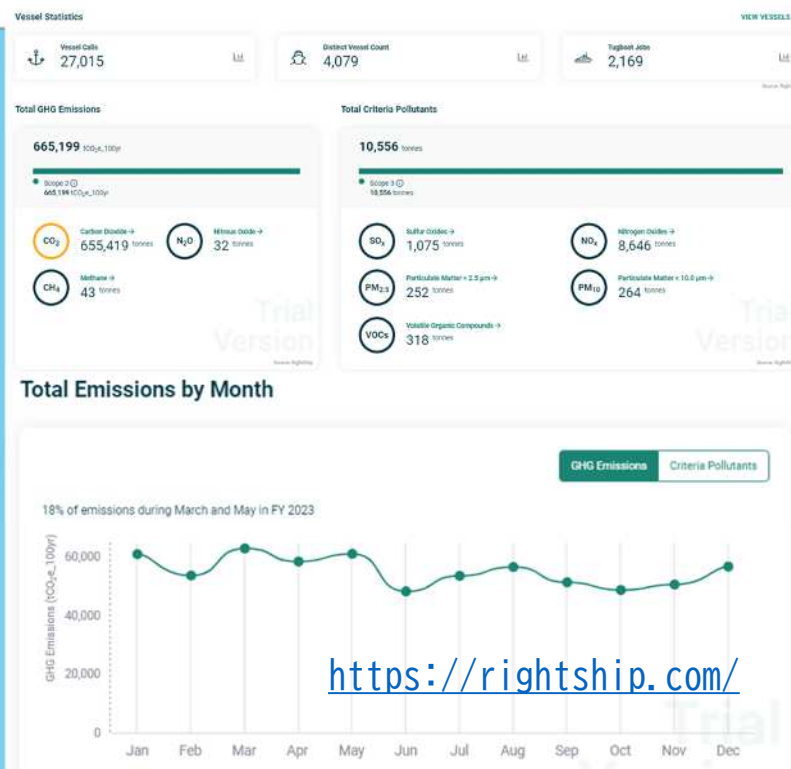
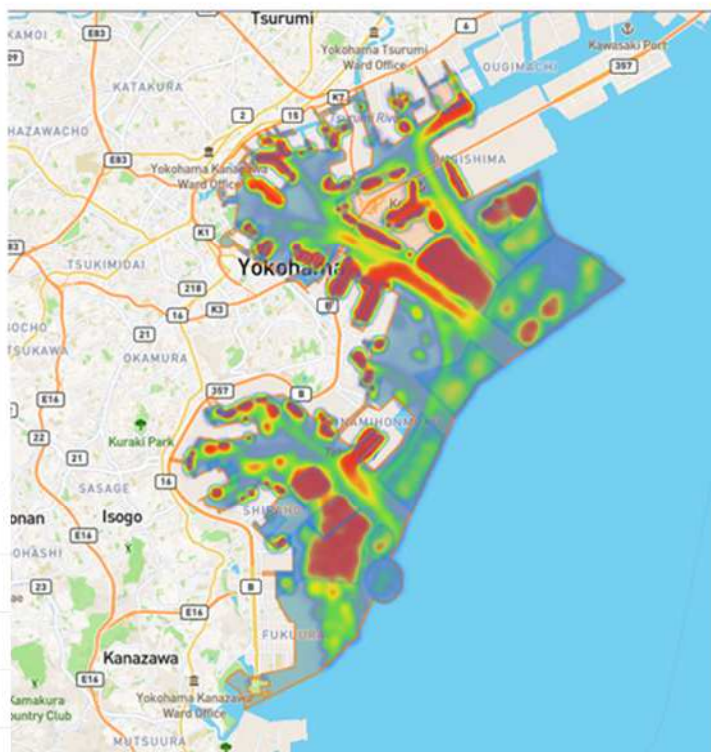
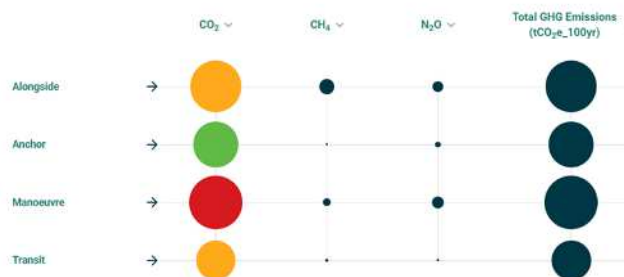
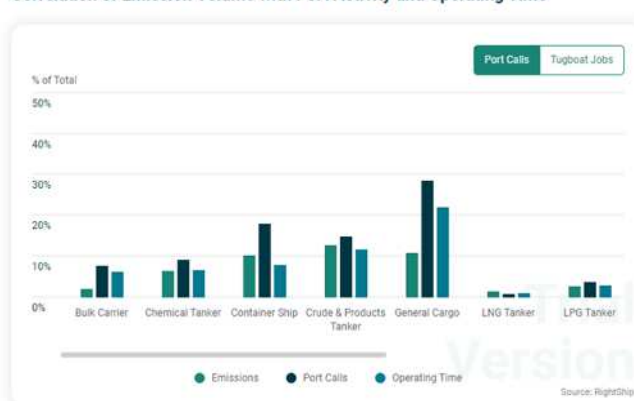
Port Authorities need a better and more accurate understanding of ship-based emissions to identify opportunities to reduce emissions and meet environmental targets.

Yokohama is Japan's 1<sup>st</sup> port using **"Maritime Emissions Portal"** by RIGHTSHIP.

RIGHTSHIP



Correlation of Emission Volume with Port Activity and Operating Time



## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives



Methanol bunkering simulation at the Port of Yokohama  
-Simulated Bunkering for the Implementation of Methanol Use as Marine Fuel-  
(2024.9.18)



Port and Harbor Bureau, City of Yokohama

## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives



#### Ammonia Bunkering to an Ammonia Fueled Tugboat at the Port of Yokohama ~World's first Truck to Ship Method~ (2024.7.17)



★  
The bunkering site  
@Honmoku-Pier

This is the world's first ammonia-fueled vessel for commercial use\*.  
The NYK Group company will employ the vessel in tugboat operations in Tokyo Bay.



\*The "world's first" claim is as of July 2024, according to research by NYK.

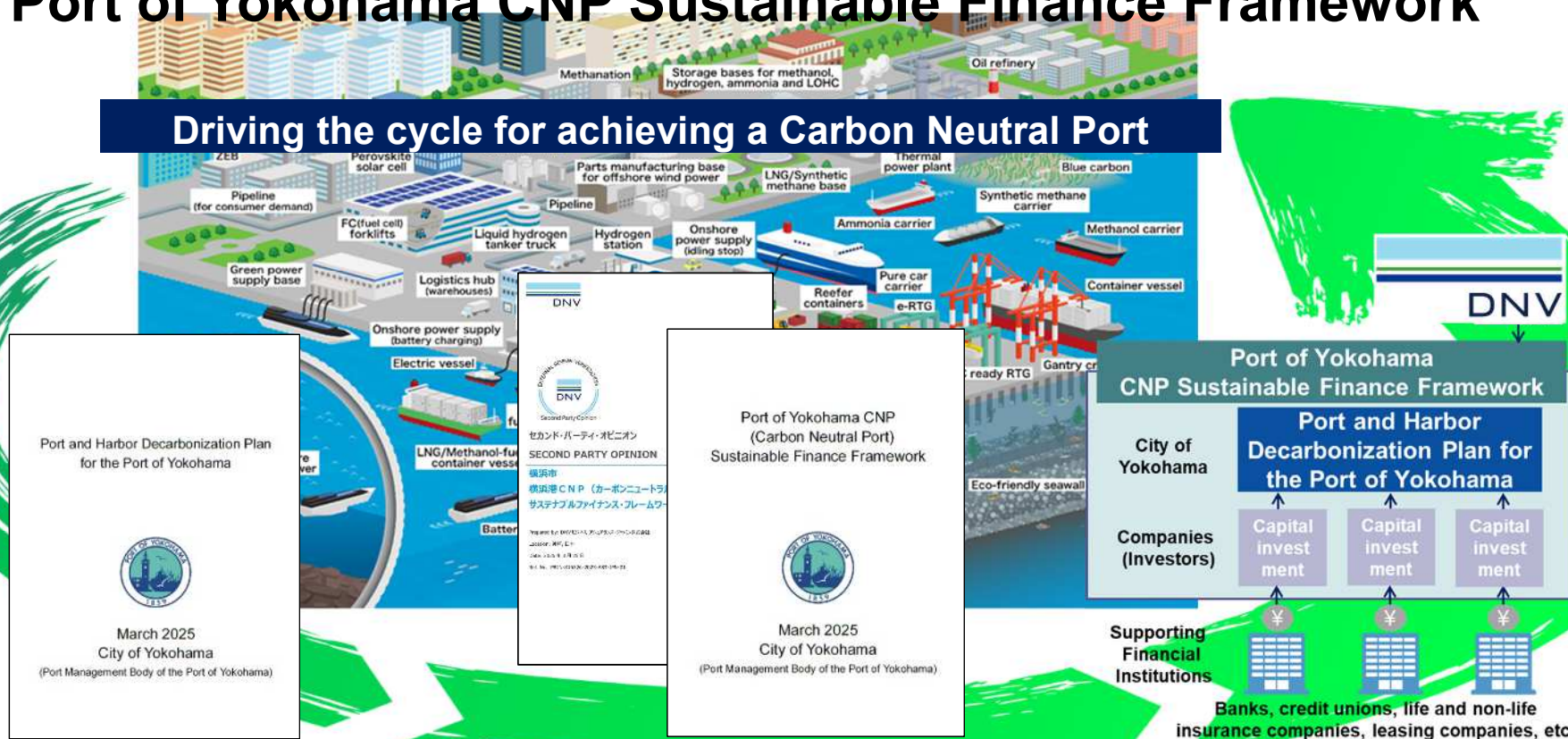
## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives

## Port of Yokohama CNP Sustainable Finance Framework



### Driving the cycle for achieving a Carbon Neutral Port



① A project is added to the Decarbonization Plan

② Utilize Sustainable FW made by the City of Yokohama

③ Access to sustainable financing

## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives



Daito Corporation signs first financing agreement utilizing “the Port of Yokohama CNP Sustainable Finance Framework”. This is the first contract to utilize the framework and the first case in Japan where a private company utilizes such a framework developed by a local government.

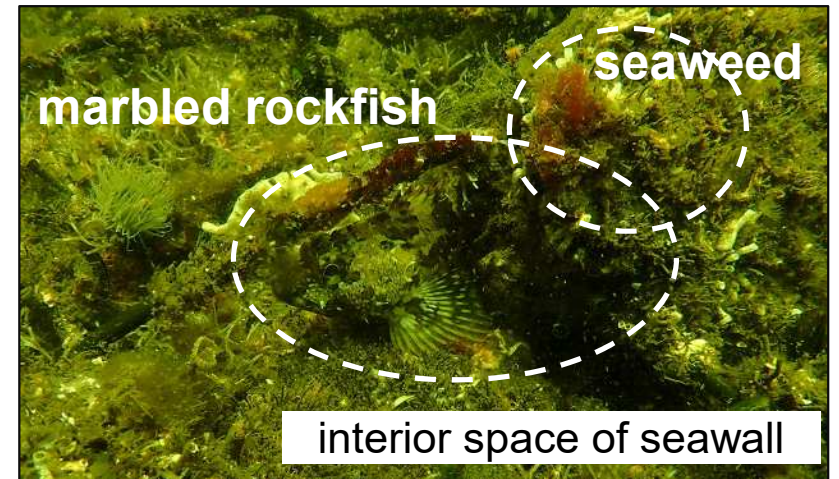


Summary of Loan Agreement for Green Loan	
Borrower	Daito Corporation
Lender	Mizuho Bank
Contract amount	950 million yen
Date of Contract	March 25, 2025
Use of funds	Electric tugboat construction fund



## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives



## 2. Advantages of the Port of Yokohama

### (4) Decarbonization initiatives



#### Solar power

Solar power facilities were installed on the management building of the container terminal and the shed.



#### Container barge transport

A large container load equivalent to over eighty trucks can be transported at one time.



#### Hybrid cargo handling machinery

Introduction of hybrid transfer cranes for transporting containers in terminals



#### Incentives for environmentally-friendly vessels

Entrance fees were reduced by 15% for ocean-going vessels with an ESI score of 30 or higher or vessels with a Green Award certificate.



#### Shift to LED lighting

Promotion of a shift to LEDs for illumination of yards in existing equipment



#### All-electric propulsion tugboat "Taiga"

"Taiga" is the first 100% electric tugboat in Asia. It launched operations in January 2023.



The background is a vibrant illustration of a coastal park and harbor. In the foreground, a large, multi-level promenade with a wooden deck and metal railings runs along the water's edge. People are depicted walking and standing on the promenade. To the right of the promenade is a green lawn with several trees, including some with pink blossoms. In the background, a large, light-colored building is visible. The harbor water is a deep blue, and a white sailboat is seen in the distance. The sky is blue with scattered white clouds. The bottom half of the image shows a cross-section of the water, revealing a diverse underwater ecosystem with various fish, including large tuna-like fish, smaller colorful fish, and green seaweed.

# Thank you for your attention !



Port of Yokohama  
information portal