Yokohama Kawasaki Port Seminar in Jakarta

Port of Yokohama Initiatives

July 17th 2025

Yasuhiro SHIMBO
Director General
Port and Harbor Bureau, City of Yokohama

Table of contents

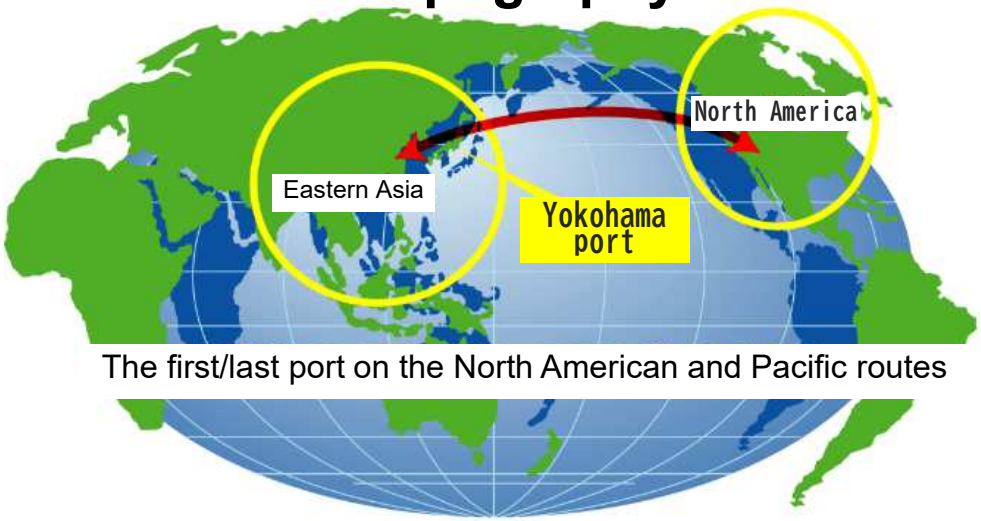
1．Outline of the Port of Yokohama

2． Advantages of the Port of Yokohama

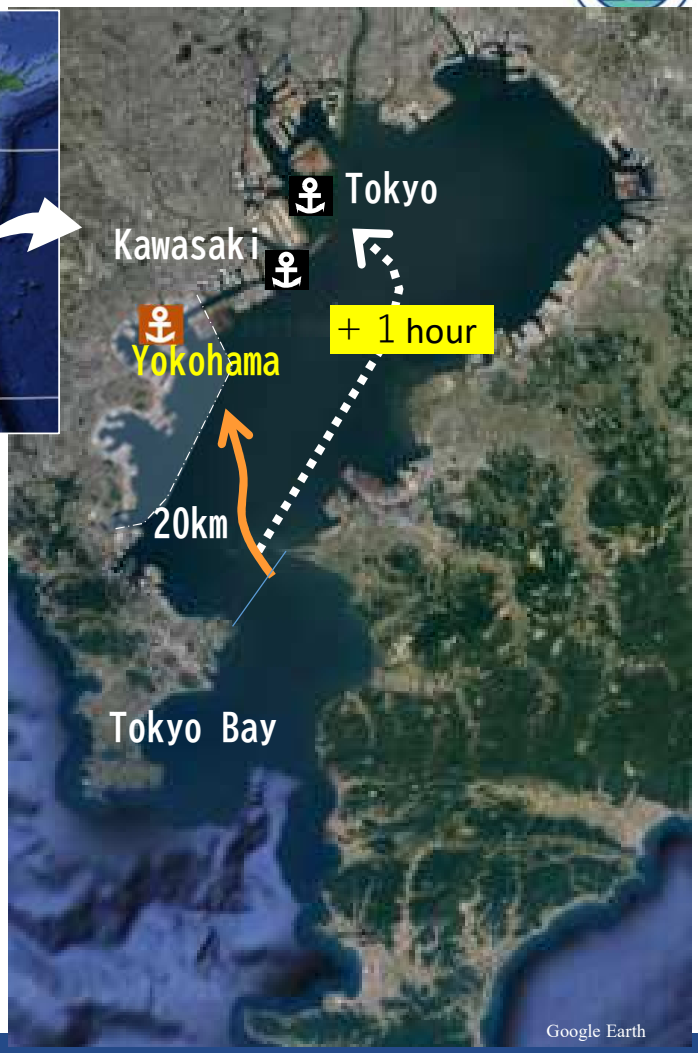
明日をひらく都市
OPEN × PIONEER
YOKOHAMA

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

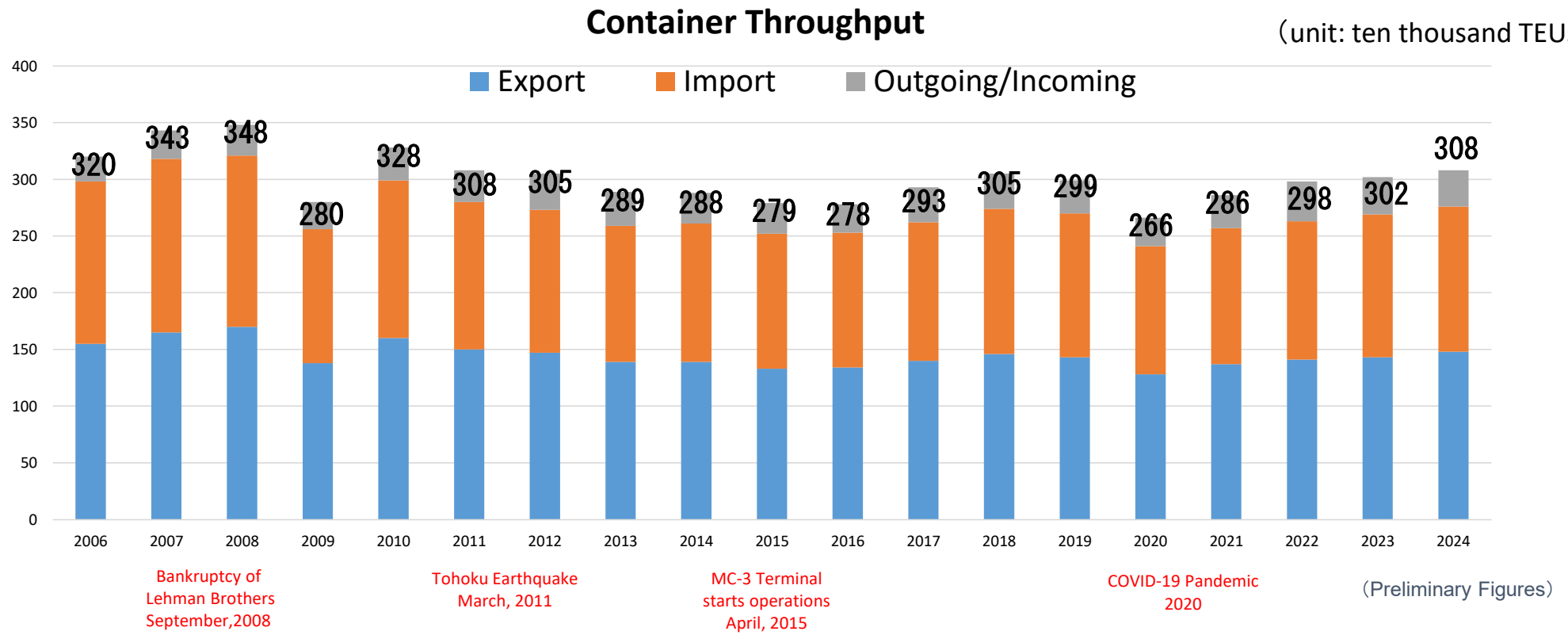
147 calls

coastal vessels

18,810 vessels/year

As of 2024

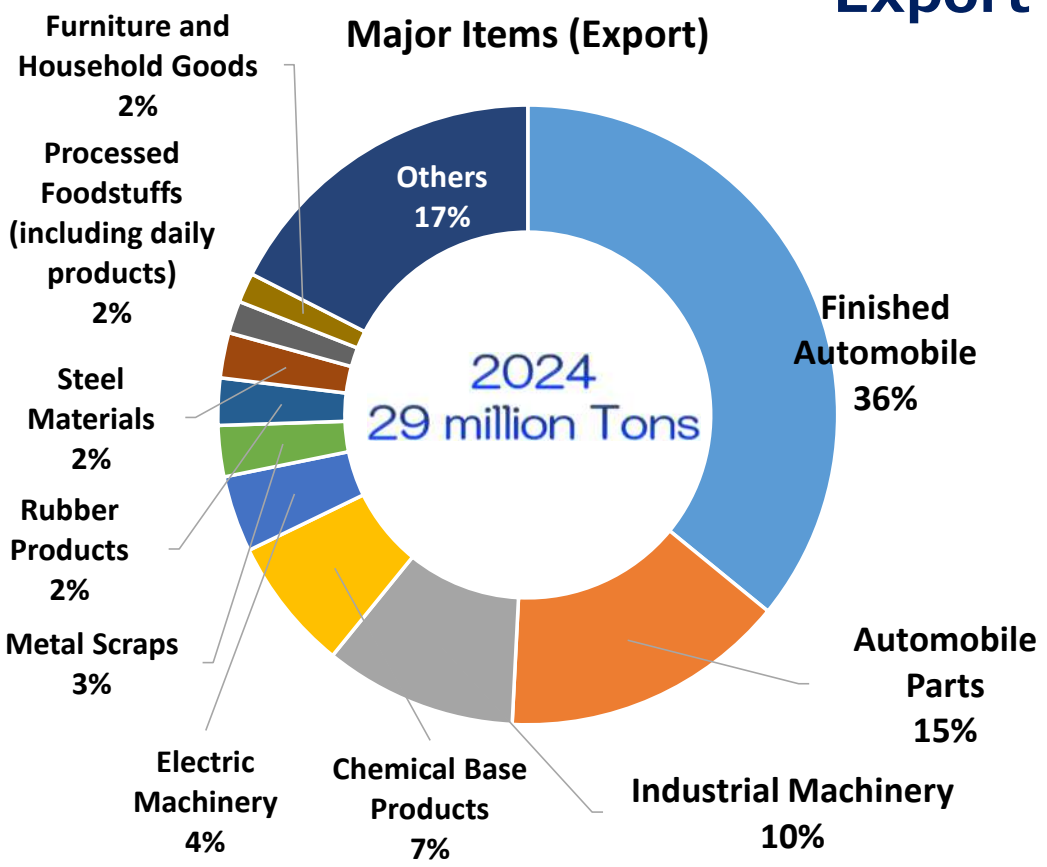
1. Outline of the Port of Yokohama



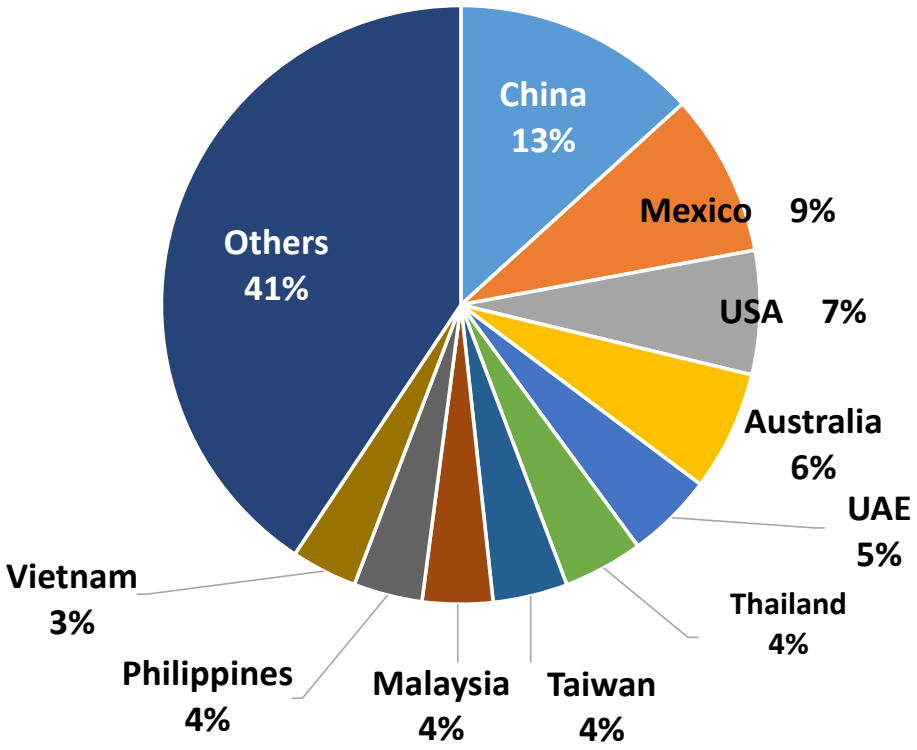
1. Outline of the Port of Yokohama

Export (Weight Base)

Major Items (Export)



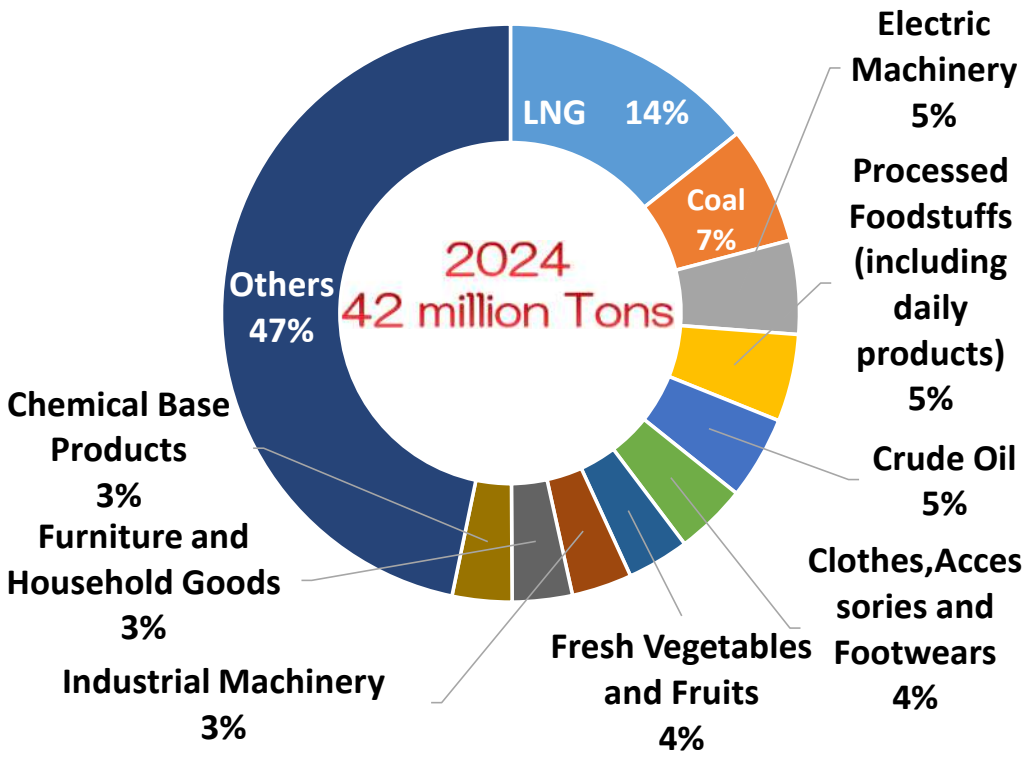
Major Countries (Export)



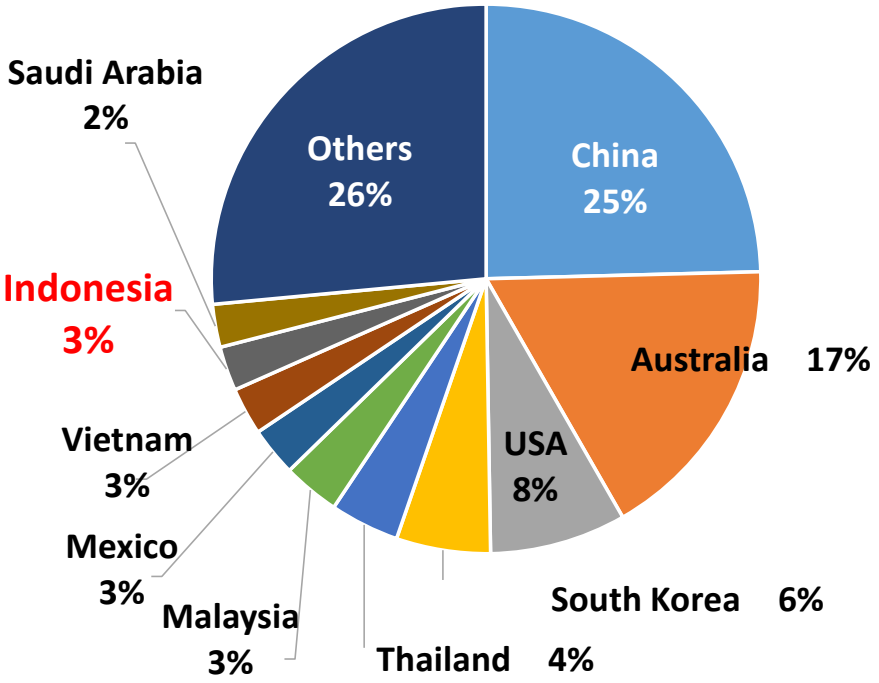
1. Outline of the Port of Yokohama

Import (Weight Base)

Major Items (Import)



Major Countries (Import)

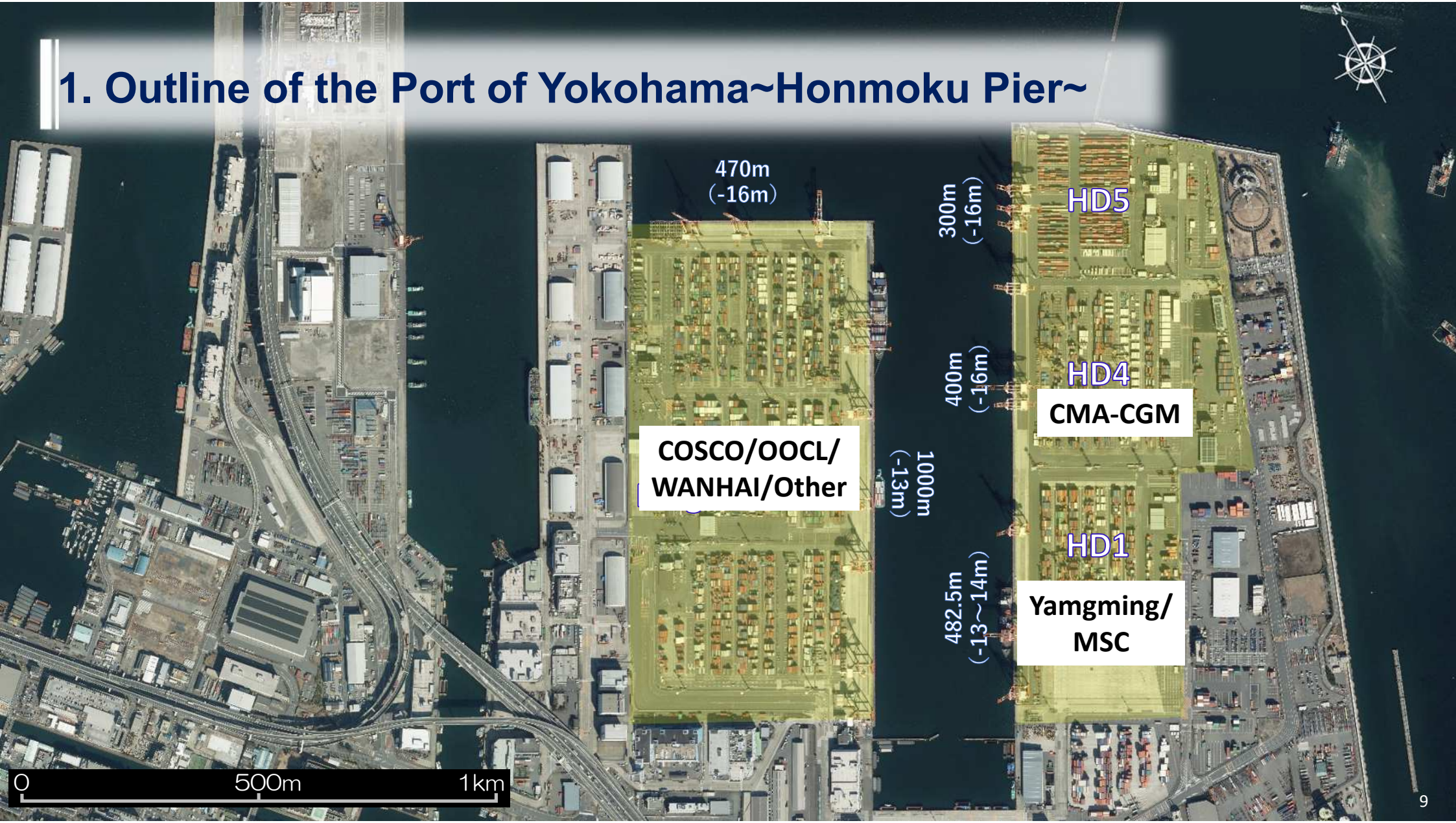


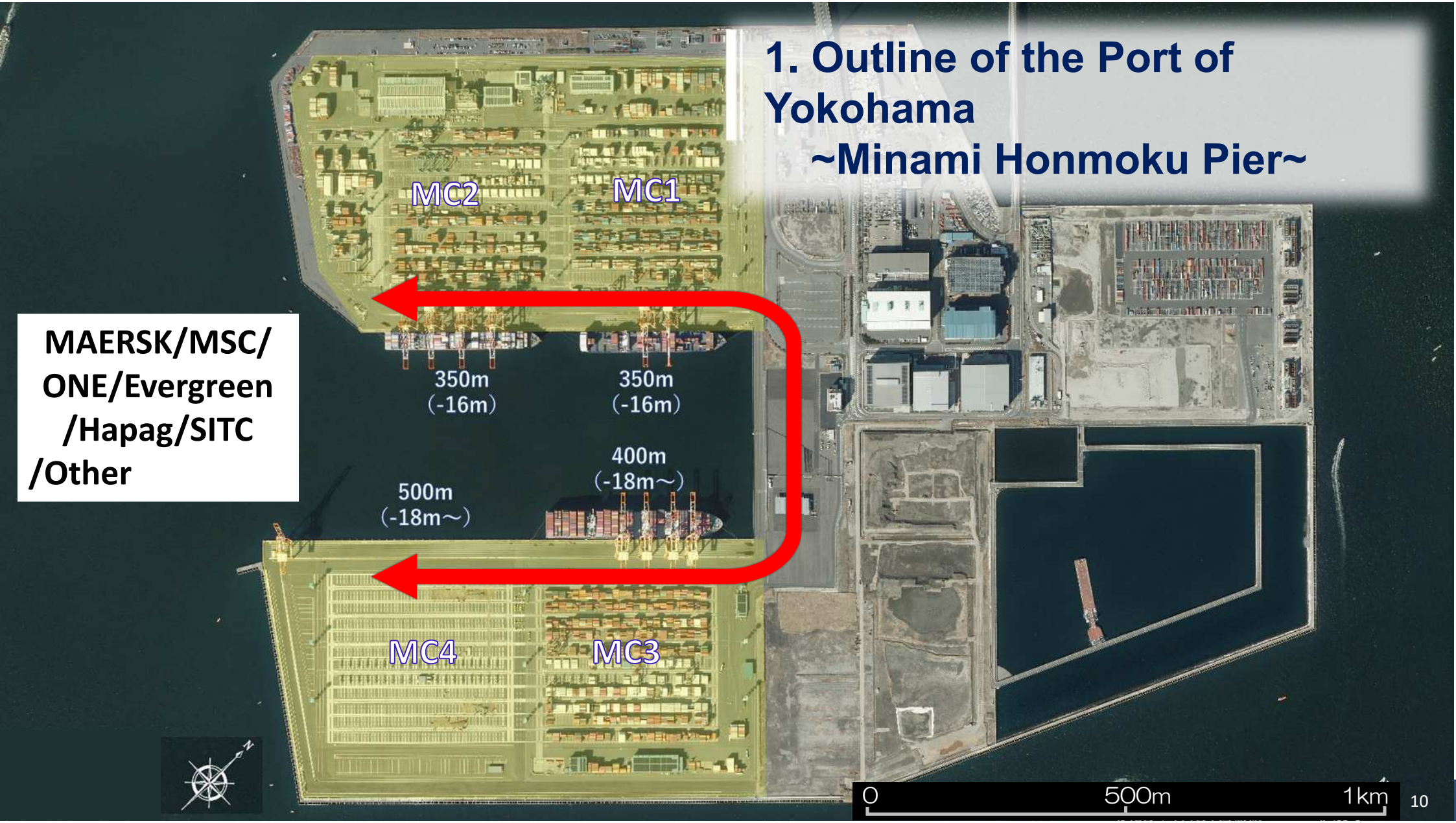
1. Outline of the Port of Yokohama

Mt. Fuji

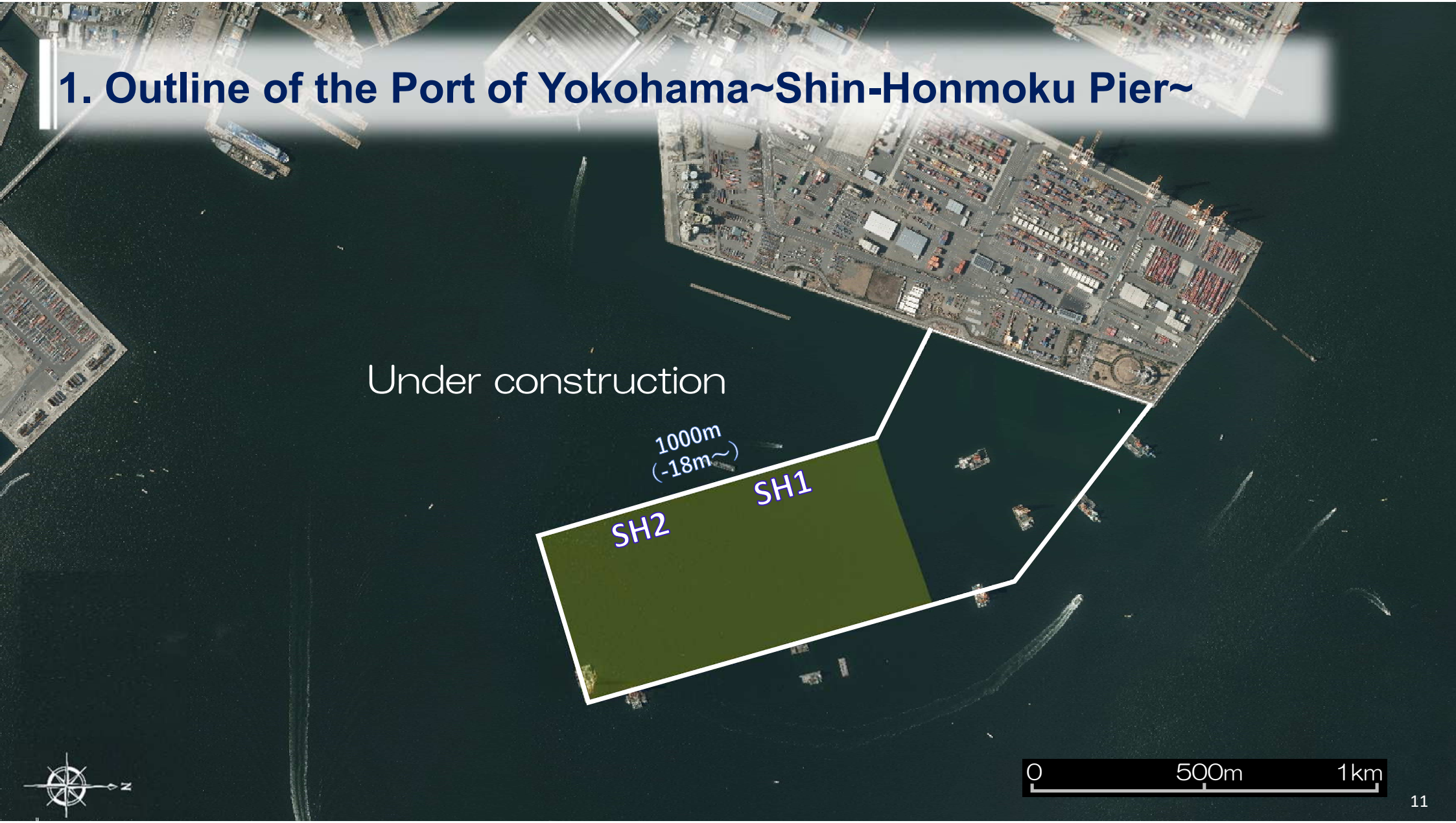
The Port of Yokohama is an all-round player in the maritime industry. We have a variety of functions such as logistics, production and tourism. The number of incoming oceangoing vessels has been No.1 among Japan since 1964.

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

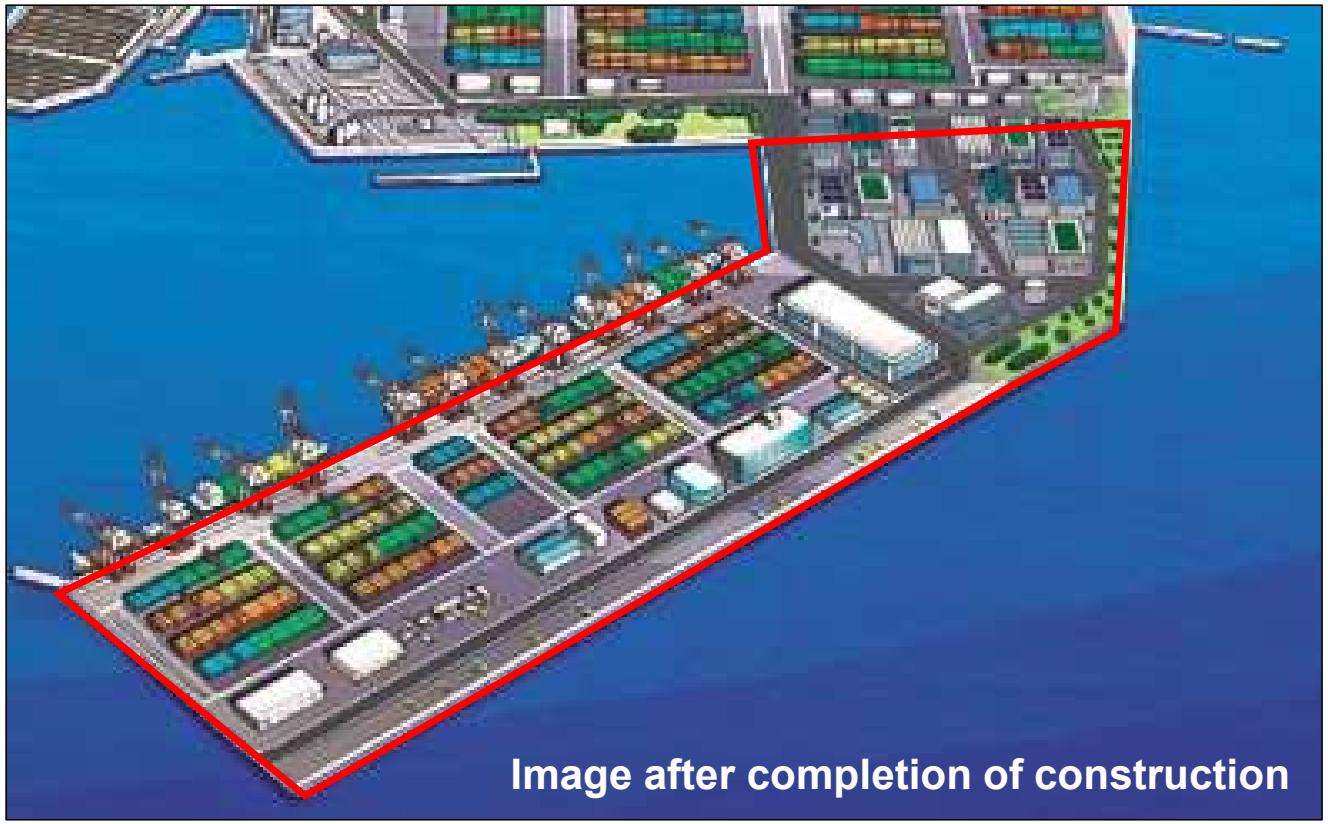



1. Outline of the Port of Yokohama
~Minami Honmoku Pier~
MC2
MC1
350m
(-16m)
350m
(-16m)
400m
(-18m～)
500m
(-18m～)
MC4
MC3
MAERSK/MSC/
ONE/Evergreen
/Hapag/SITC
/Other
0
500m
1km

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



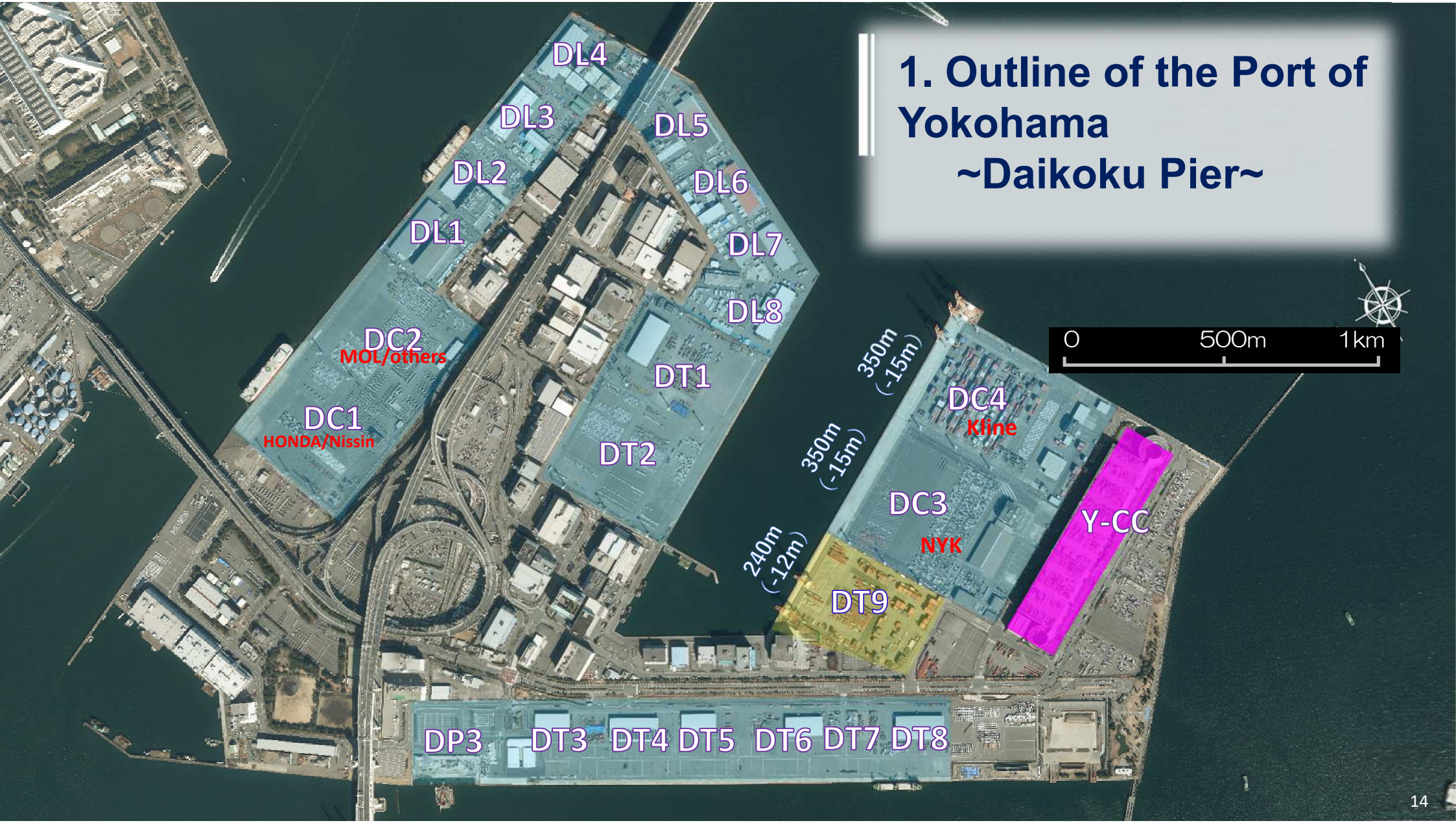
1. Outline of the Port of Yokohama~Shin-Honmoku Pier~



1. Outline of the Port of Yokohama

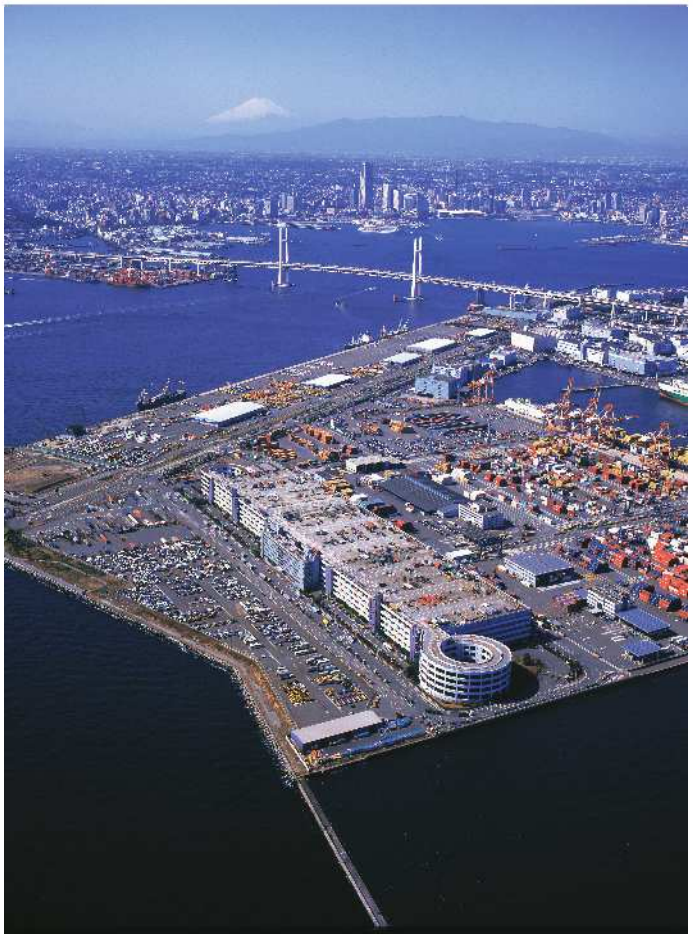
Mt. Fuji

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.


1. Outline of the Port of Yokohama
~Daikoku Pier~
DL4
DL3
DL5
DL2
DL6
DL1
DL7
DL8
DC2
MOL/others
DT1
DC1
HONDA/Nissin
DT2
350m (-15m)
DC4
Kline
350m (-15m)
DC3
NYK
Y-CC
240m (-12m)
DT9
DP3
DT3
DT4
DT5
DT6
DT7
DT8
0
500m
1km

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

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	305,449㎡	12,700㎡
Section	4,300㎡ ×11bay ×5stories	72㎡ ×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

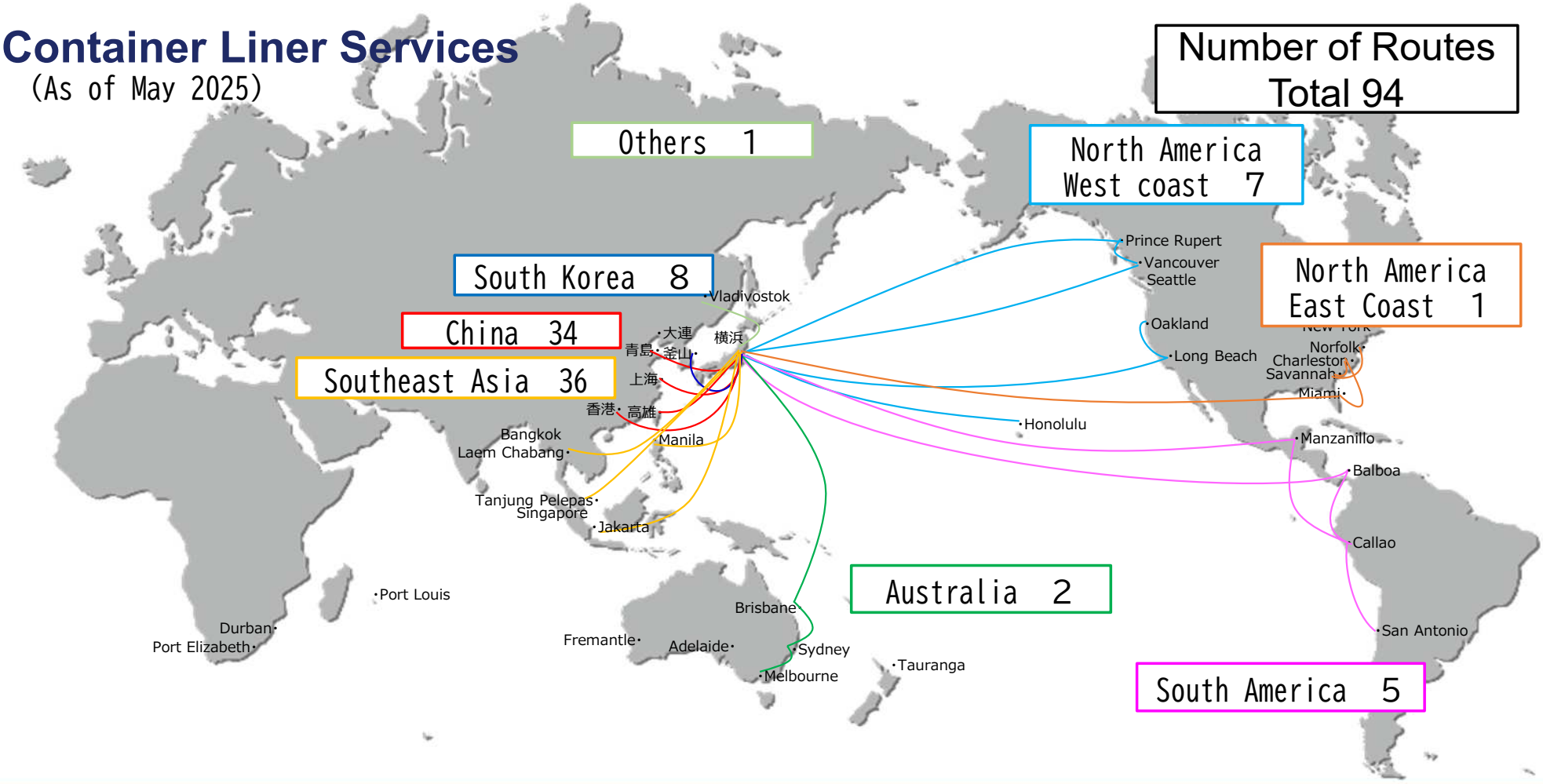
Rank	Port name
1	YOKOHAMA
2	KING ABDULLAH PORT
3	QINGDAO
4	KAOHSIUNG
5	SHEKOU
6	GUANGZHOU
7	HONG KONG
8	ZHOUSHAN
9	SALALAH
10	YANGSHAN

2. Advantages of the Port of Yokohama

（2）Diversification of shipping routes

■Container Liner Services

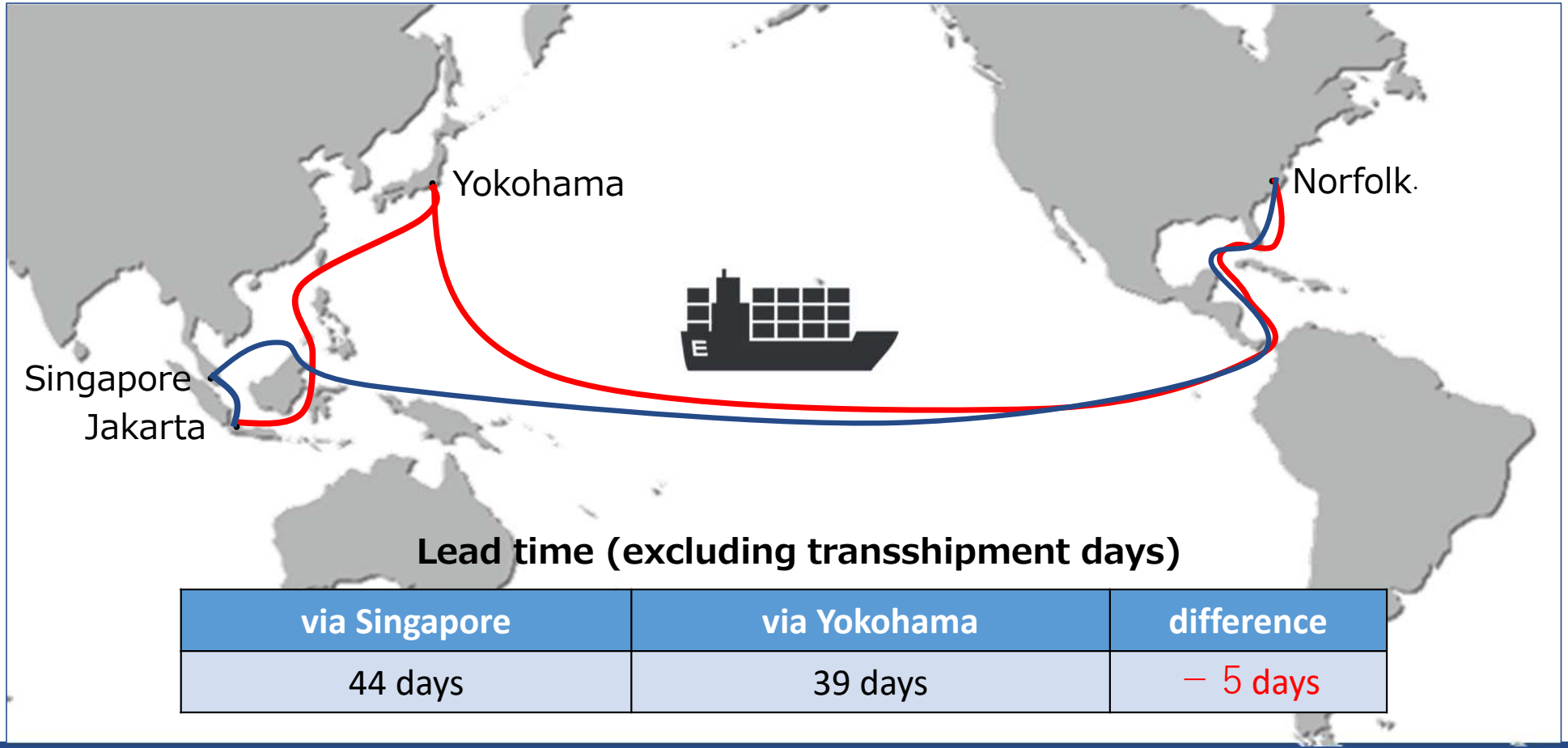
(As of May 2025)



2. Advantages of the Port of Yokohama

（3）Reduction of Shipping Lead Time

■Container Liner Services to Norfolk



Lead time (excluding transshipment days)

via Singapore	via Yokohama	difference
44 days	39 days	－ 5 days

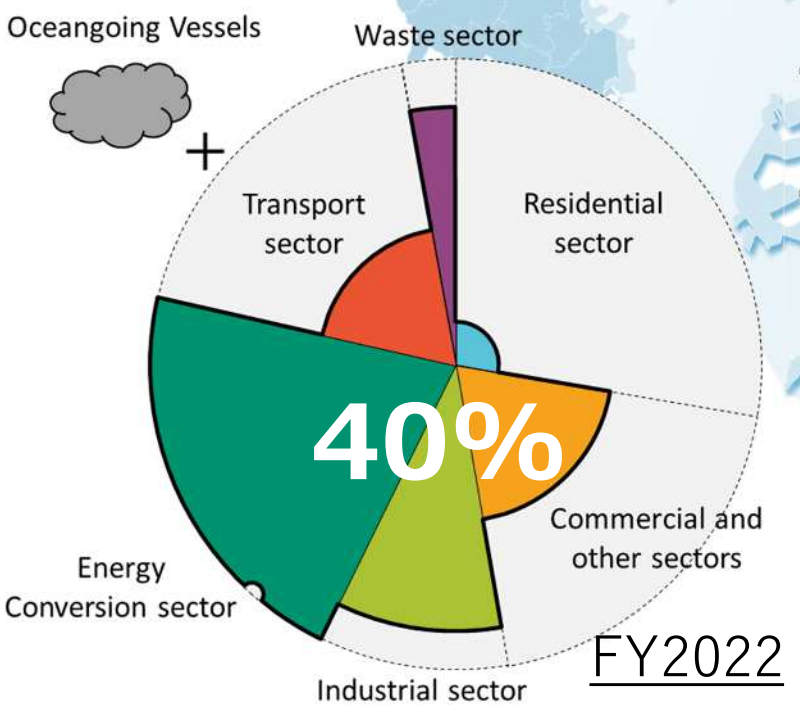
2. Advantages of the Port of Yokohama

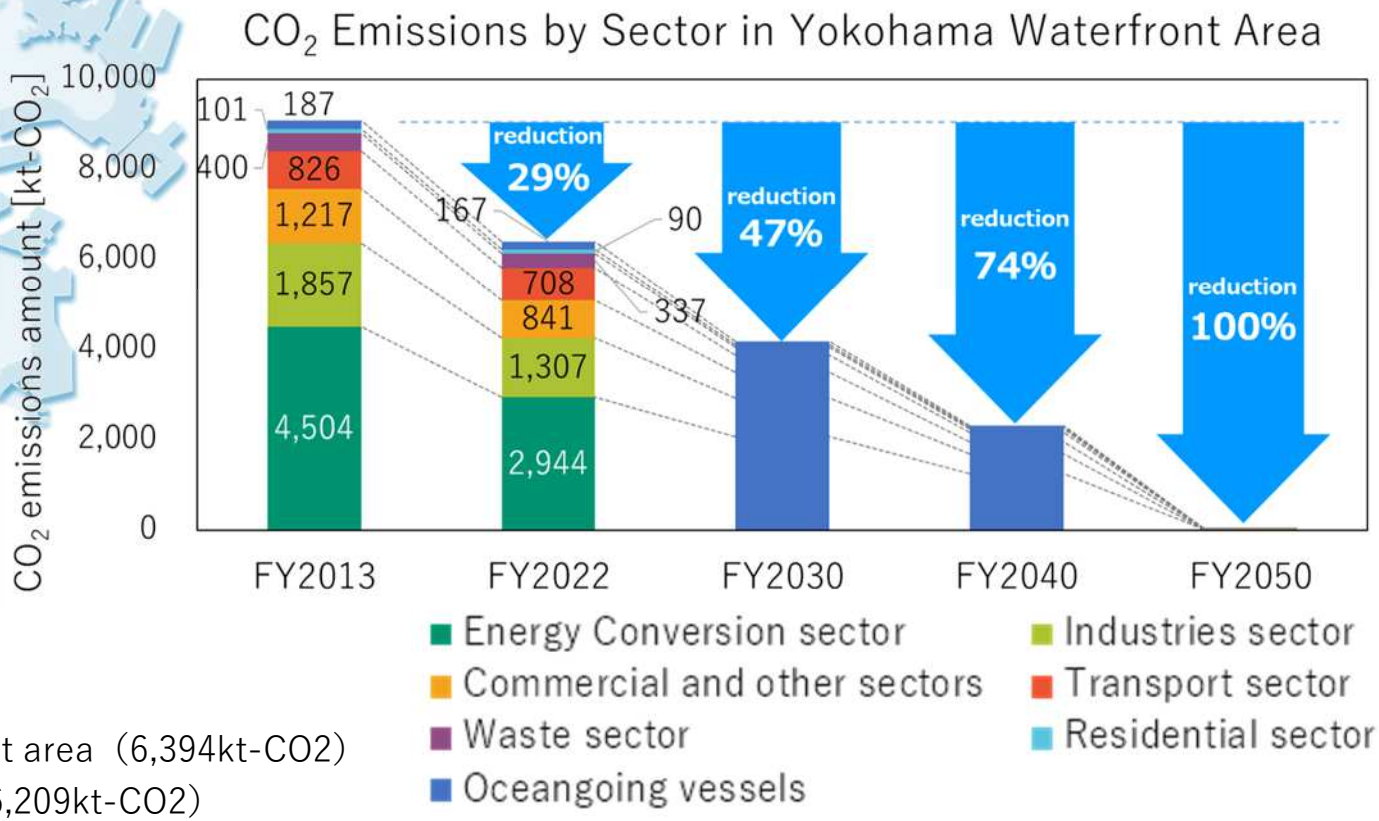
（4）Decarbonization initiatives

2. Advantages of the Port of Yokohama

（4）Decarbonization initiatives

40% of CO2 emissions in Yokohama are from the waterfront area





Inner: CO_2 emissions from the waterfront area（6,394kt-CO2）

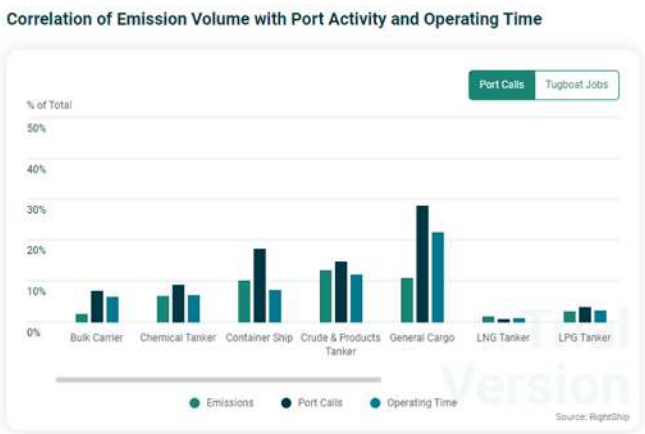
Outline: CO_2 emissions from the city（16,209kt-CO2）

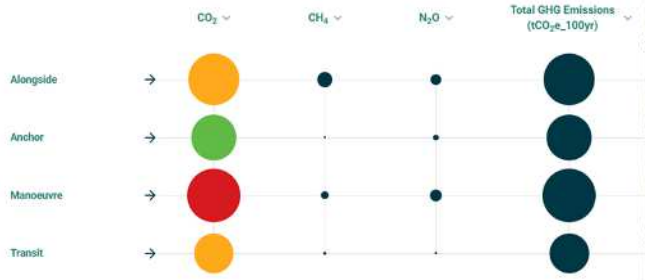
CO2 emissions from oceangoing vessels are not covered by the national GHG inventory of Japan and are not included in the emissions from the city.

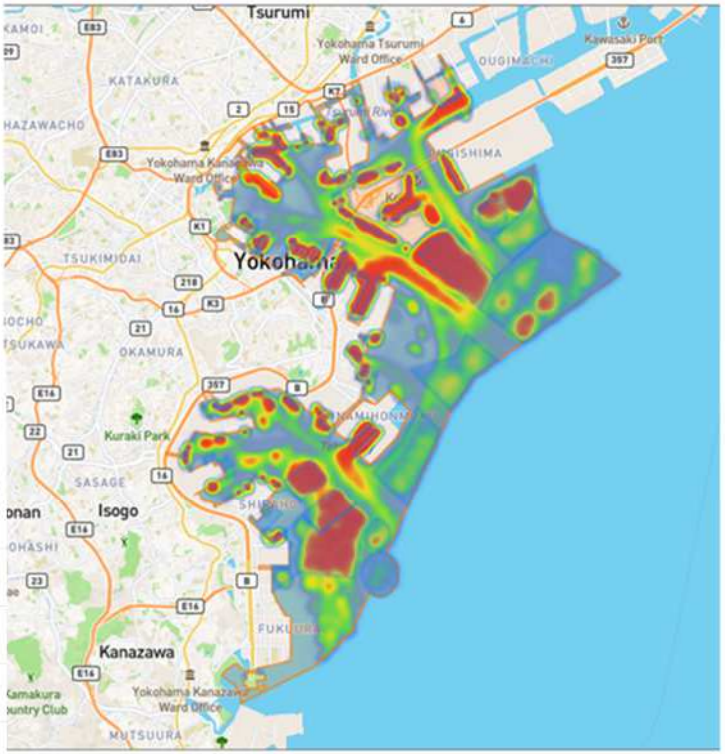
2. Advantages of the Port of Yokohama

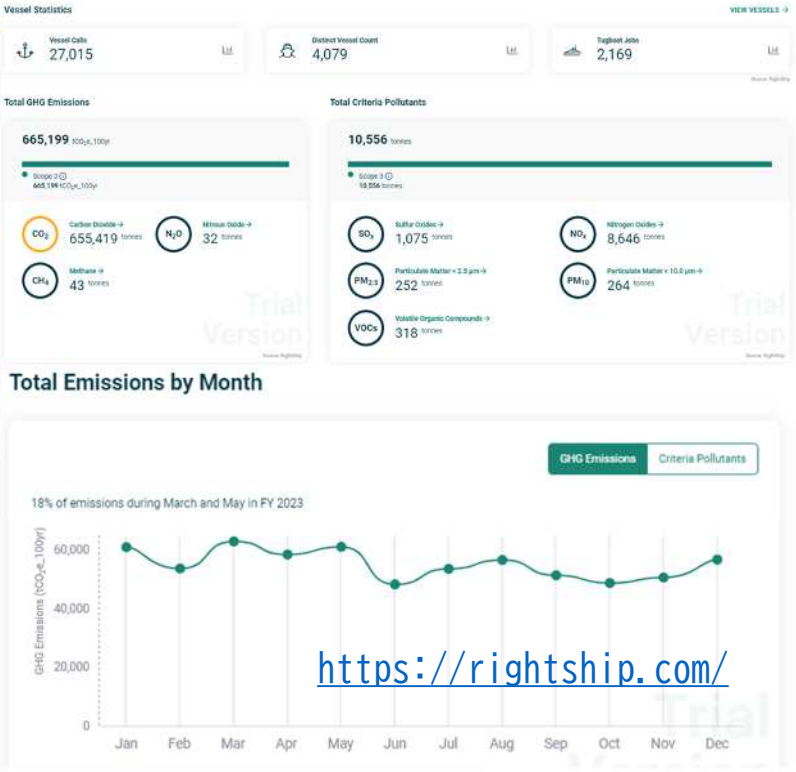
（4）Decarbonization initiatives

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 1st port using **"Maritime Emissions Portal" by RIGHTSHIP**.









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)

MAERSK MITSUBISHI GAS CHEMICAL KSK idemitsu UYENO

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）

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.

NYK GREEN EARTH

*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

①A project is added to the Decarbonization Plan

②Utilize Sustainable FW made by the City of Yokohama

③Access to sustainable financing

2. Advantages of the Port of Yokohama

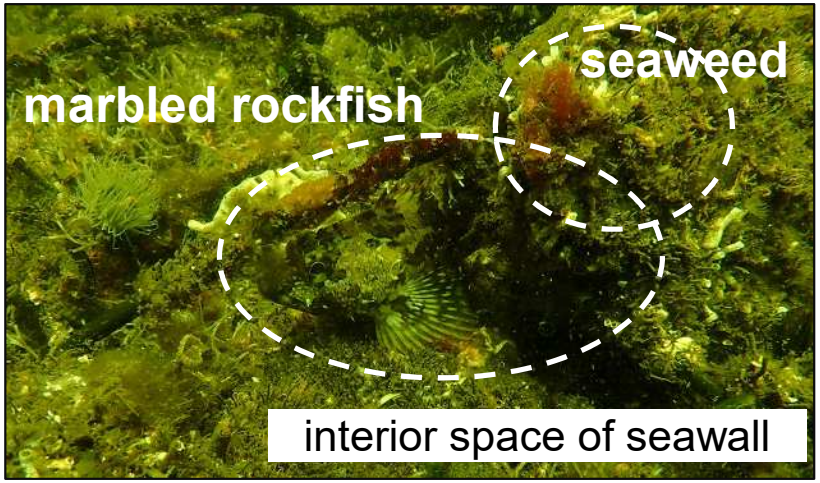
（4）Decarbonization initiatives

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

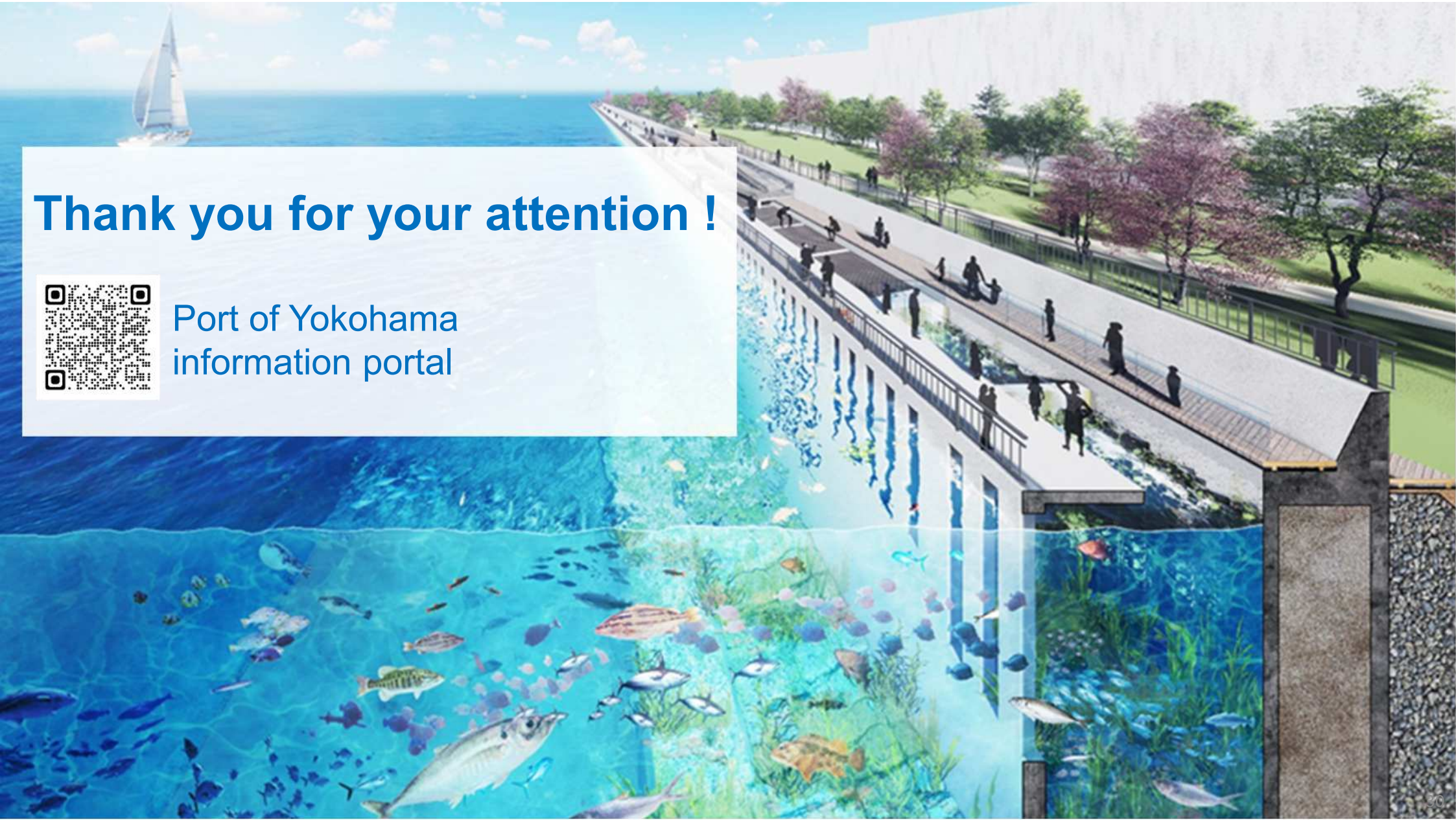
Entrance fees were reduced by 15% for ocean-going vessels with an ESI score of 30 or higher or vessels with a Green Award certificate.

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.


Thank you for your attention !
Port of Yokohama
information portal