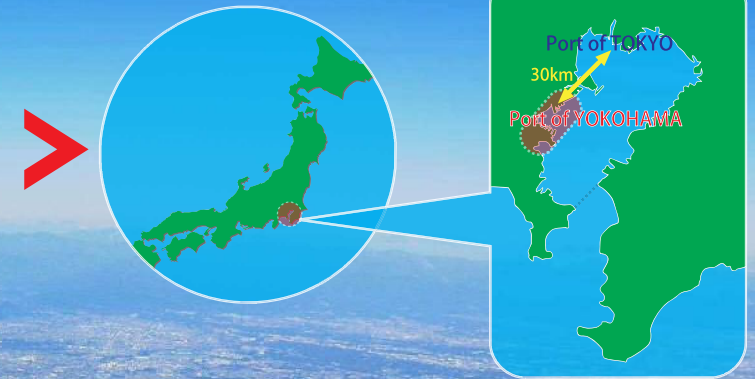


PORT OF YOKOHAMA



Container Terminals

Container Terminals

Container Terminals

Minami Honmoku Pier

Honmoku Pier

Daikoku Pier

- Port of Yokohama is the second largest container port in Japan, which handles container cargos, finished cars, petroleums, grains and other various items.
- In August 2010, the Port was designated as "International Container Strategic Port"
 - ※1" by the national government and given status as the core port of Japan's international maritime logistics.
- Yokohama Port Corporation (YPC) was designated as the "special port management company"
 - ※2" by the national government in December 2012 and manages and operates all the container terminals in the Port of Yokohama in an integrated manner.

※1What is the "International Container Strategic Ports" policy?
It is a policy that aims to establish international competitive hub ports in Japan by designating ("selection and concentration") the ports into which the national government will pour intensive investment and by managing the ports with "private perspectives".

※2What is the "special port management company"?
The port management company is the entity that runs container piers in an integrated manner by leasing administrative assets (berths, land, etc.) from the national government or a port management body (local municipality) and responsible for efficient port management with private perspectives.
Under this port management company system, one single company is designated by the national government for each international strategic port, however, a temporary system to designate the port management company for each port has been established as special measures.
This designated company is called a special port management company.

Business Overview

As a port management company of the Port of Yokohama, Yokohama Port Corporation engages in terminal operation to manage container terminals and administration and operation of logistics-related facilities at the Port of Yokohama. We also positively work on creating an environmentally friendly port including “Eco-Port” promotion activities.

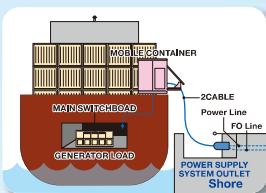
Construction, maintenance, management and long-term lease of the terminals



Construction, maintenance, management and long-term lease of international trade terminals

Maintenance, management and operation of public logistics facilities in Yokohama City

Promotion of the environmentally –friendly “Eco-Port”



Reduction in environmental load, use of renewable energy, etc.

Promotion of the use of the Port of Yokohama



Collecting container cargo

Attracting shipping companies

Our Advantages in Facilities Management

Design and construction of the terminals according to every user's needs



Systematic capital investment through sound corporate management



Long-term partnership with facilities users



Building a long lasting and good relationships through making a user-friendly port

Our Technologies in Facilities Maintenance and Management

Reduction of life cycle cost by preventive conservation



Civil engineering facilities



Building facilities

Long and stable operation of facilities by appropriate maintenance and management



Rapid construction which keeps cargo handling from being disturbed



Electric facilities



Machine facilities such as cranes

Promotion of Eco-Port

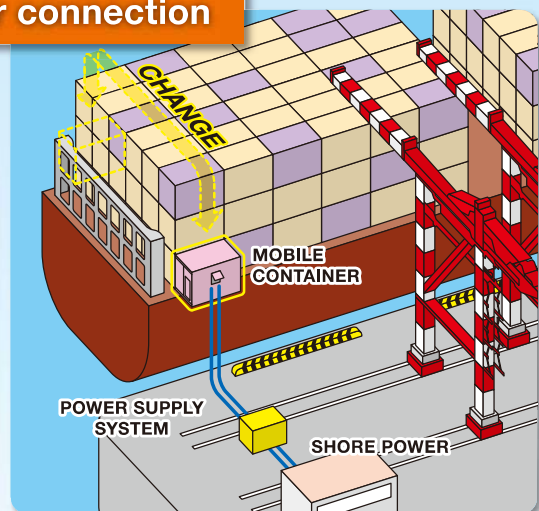
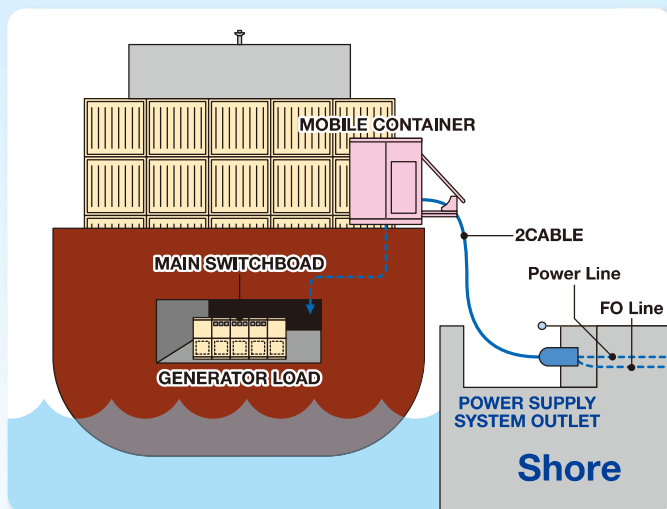
Realization of Eco-Port by reducing environmental load and using reusable energy

Solar Power



Solar power generation facilities and shore-to-ship power connection are scheduled to be introduced into the terminals.

Shore-to-ship power connection



Infrastructure Facilities at the Port of Yokohama

Cluster zones of logistics facilities



- Clusters of various public and private logistics facilities including Y-CC (Yokohama Port Cargo Center)
- A wide variety of handling items, such as finished cars and construction machines

Yokohama Port Cargo Center (Y-CC)



- Integrated logistics facility for efficient storage, distribution process and delivery

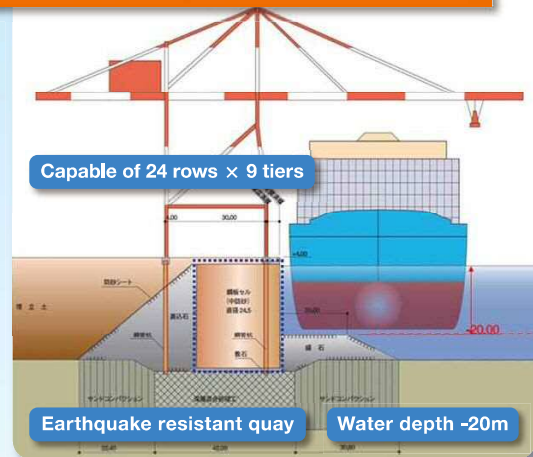
Infrastructure Facilities at the Port of Yokohama

Advanced Terminals



Final complete image of Minami Honmoku

Responding to the movements in the shipping industry, such as growing size of ships



Ready to accommodate 18,000TEU ships

- Japan's first terminal with an alongside depth of 20 meters
- 4 units gantry cranes capable of handling 24 rows and 9 tiers
- Constructed with an earthquake resistant quay
- Total area of 200,000m²

Infrastructure Facilities at the Port of Yokohama

Developing the safe and secure port

Construction of earthquake resistant quay

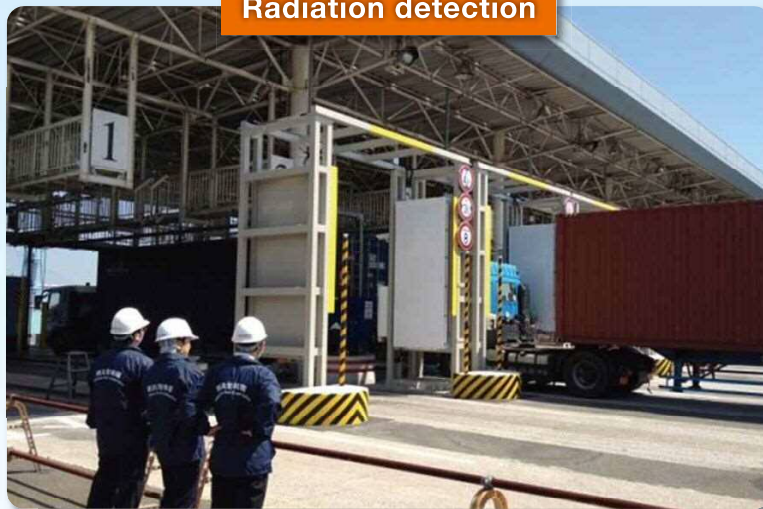


Seismic isolator for gantry cranes



- Construction of an earthquake resistant quay
- Installation of a seismic isolator for gantry cranes (seismic isolating rubber + damper cylinder)

Radiation detection



- Installation of a stationary radiation meter

Infrastructure Facilities at the Port of Yokohama

Advanced technology for multistory roads

Yokohama Bay Bridge



Metropolitan Expressway

National Route 357



A bridge with two-storied road function using advanced technology

- Upper road is part of Metropolitan expressway which directly connects to the hinterland from the pier
- The lower road of National Route 357 enables a short distance access between the piers

Rampway



Effective use of the terminal's backland

- Looped rampway corresponding to the limited land
- The area under the rampway is used for storage for new and used cars.

● Container Terminal Connecting Sea and Land Transport

■ Terminal Office Center (Office Building)

Intensively controls ship's entry and departure, operations in the terminal, etc.

● Control Center

Gives an operation instruction.

● Ship Planner

Makes a cargo allocation plan by taking account of the condition and the shape of a ship, the number and the weight of containers as well as where to unload containers.

● Yard Planner

Works out efficient allocations of unloaded containers from the ship and export containers in the terminal.



● Gate Checker

This is the entrance of the container terminal. They inspect any damage on containers and check the ship's name, destination, container number, etc.



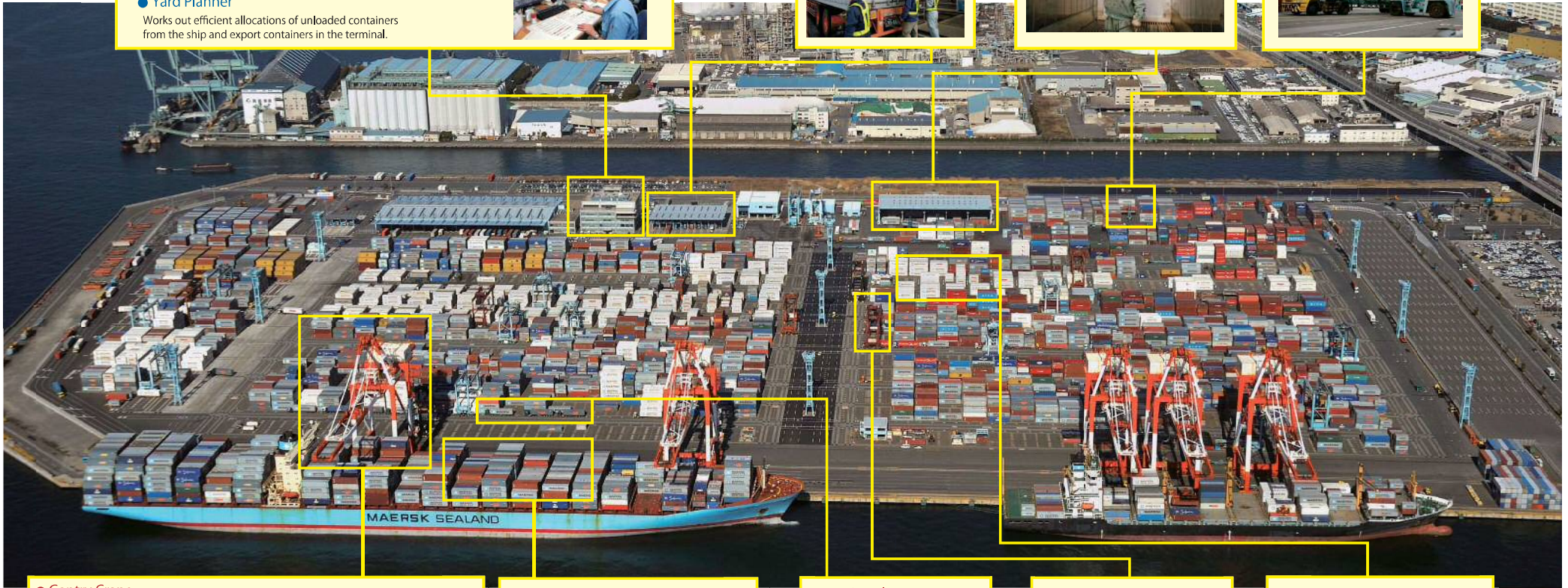
● Container Maintenance

To be ready for leasing to the users, containers are cleaned, inspected and repaired every day.



● Top Lifter

It is cargo handling equipment to load and unload empty containers. Unlike a forklift, it lifts a container from the top.



● Gantry Crane

The cranes located on the Minami Honmoku Pier are called mega gantry cranes, one of the largest kinds in Japan. The operator controls loading and unloading of a container from about 50 meters above the ground.



● Lasher (on a ship)

A lasher fastens containers loaded on the ship to avoid collapsing and loosens the fastened containers when unloading.



● Yard Trailer

It moves a container unloaded from the gantry crane to a designated position within the terminal or vice versa, it moves an export container to the place under the gantry crane.



● Transfer Crane

It is a rubber tired crane used for loading and unloading containers within the terminal.



● Reefer Container Maintenance

Reefer containers (chilled and frozen) are temperature controlled and checked during transport and also at the terminal. It is also an important task to store meat and fruits at the optimum temperature.

