

Yokohama City started utilizing visualization service for emissions from vessels for first time in Japan!

～ To make Port of Yokohama carbon neutral through DX ～

For the first time in Japanese ports, the City of Yokohama has started utilizing MEP (Maritime Emission Portal), which is a maritime platform specializing in ESG by the RightShip Pty. Ltd. in order to understand the accurate volume of emissions from the vessels, and to make the port carbon-neutral through DX promotion.

1 What is Maritime Emission Portal (MEP)?

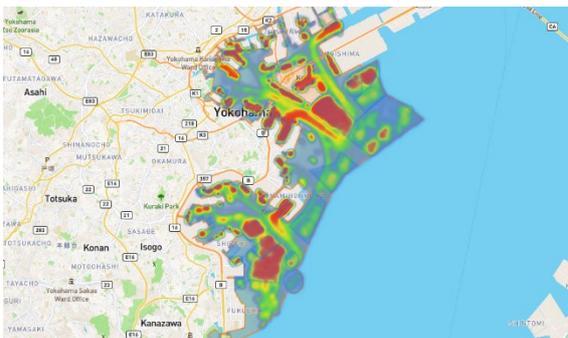
MEP is a platform developed by RightShip to track and monitor emissions and environmental impacts on the shipping industry. The system collects and visualize data on emissions from vessels by combining data from Automatic Identification System (AIS) on the vessels with the vast amount of vessel information collected independently by RightShip. The users can monitor emissions through the system and consider taking measures to reduce them where necessary.

2 Background of Maritime Emission Portal (MEP) Utilization

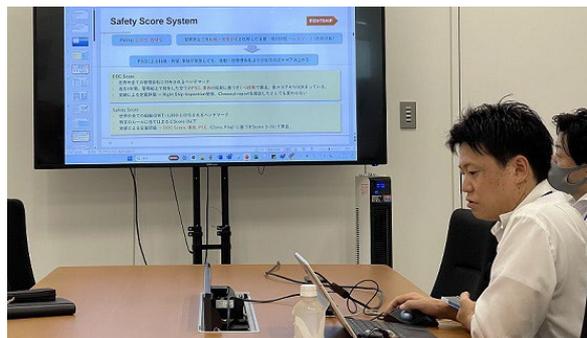
In order to form a carbon neutral port, which aims to decarbonize the waterfront area, and a Green Shipping Corridor*, which aims to decarbonize the global supply chain through collaboration with overseas ports, the public and private sectors are required to monitor carbon dioxide and other emissions from Vessels in ports and promote initiatives to reduce these emissions.

Yokohama has been a pioneer in the estimation of emissions from vessels and has adopted its own method of estimating emissions using internationally adopted CO2 emissions intensity, in an effort to obtain a more accurate volume of emissions. However, in order to promote the formation of a Green Shipping Corridor with the Port of Los Angeles and other advanced overseas ports, Yokohama decided to adopt MEP, which is the only system currently available, because it is necessary to establish a system that enables quantitative comparison of emission volumes and verification of estimates.

By sharing the knowledge and experience gained through the use of this system with RightShip, we will work to contribute to the decarbonization of Japanese ports.



An example of the visualization services



Mr. Yamada, RightShip's Japan Representative
(At City Hall)

3 About RightShip Pty. Ltd.

RightShip (Headquarters: Melbourne, Australia) was founded in 2001 to drive operational improvements in the global shipping industry, and is the world's leading ESG-focused digital maritime platform, providing expertise in global safety, sustainability, and social responsibility practices. The company is a leading provider of global safety, sustainability, and social responsibility practice expertise. Today, more than 800 clients rely on RightShip's due diligence, environmental, and inspection services to help them manage risk and improve overall maritime safety standards. (www.rightship.com)

• Comment from Mr. Yu Yamada, RightShip's Japan Representative

RightShip's MEP is a solution that integrates "AIS (Automatic Identification System)" and "RightShip's vessel insight data accumulated over the past 20 years" and is already in use around the world. The tool enables the identification of key environmental impact reduction areas of concern and opportunities for ports and terminals in their efforts to achieve the IMO MEPC 80 goal of reducing greenhouse gas emissions by 20-30% below 2008 levels by 2030.

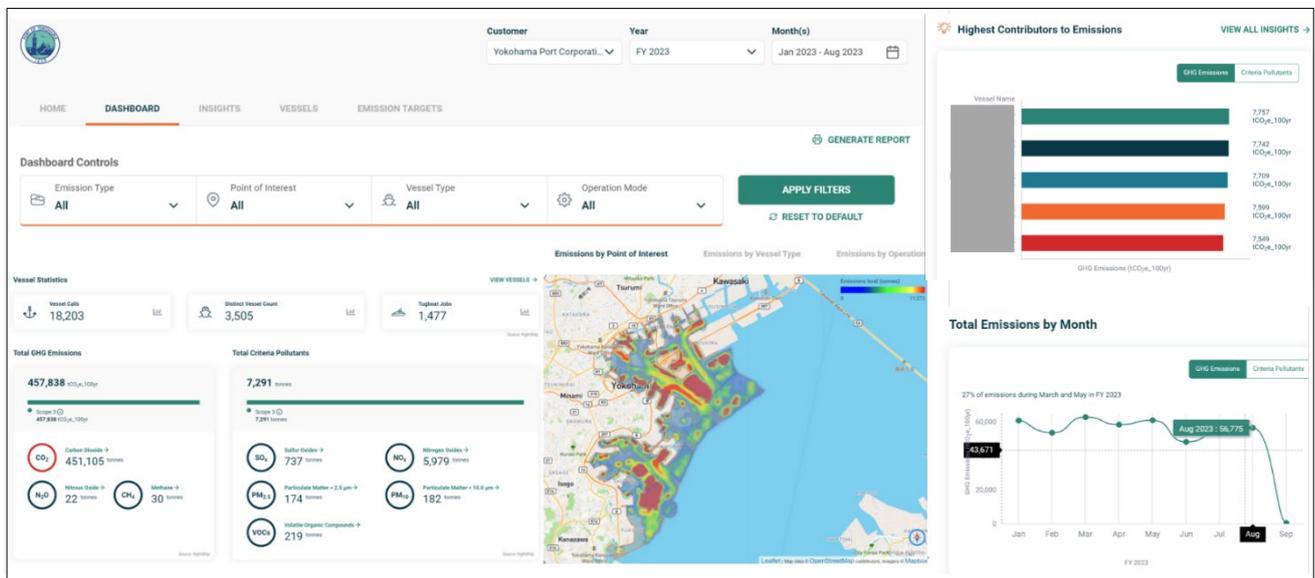
Specifically, it visualizes greenhouse gas (CO₂, CH₄, N₂O) and air pollutant (SO_x, NO_x, VOCs, PMs) emissions from vessels, offshore vessels, and tug operations that navigate, anchor, or berth in ports, displays details such as which vessels emitted what and how much in which conditions, and allows output in table and report formats.

The setup and start-up of the system is performed by RightShip based on information provided by the port, and the system is constantly updated automatically, making it a one-stop solution that allows the port to track all emissions from the sea without any effort or time commitment on the part of the port.

This will enable the Port of Yokohama to accurately measure, identify, and implement effective decarbonization strategies.

We look forward to continuing to be of service to ports with initiatives in the future.

• Maritime Emission Portal / DASHBOARD Screen



*Green Shipping Corridor is a newly proposed concept for decarbonizing shipping and port management that is gaining traction globally. It refers to efforts to promote the reduction of greenhouse gases and other emissions shipping and port activities through the introduction of new technologies into shipping routes connecting ports and through collaborative efforts and policies between the public and private sectors.

Inquiries

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