

## Environment

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# Prevention of Air Pollution

## Governance

The NYK Group has identified “prevention of air pollution” as one of the three environmental issues that should be particularly addressed in the “NYK Group Environmental Vision.”

Please see “Environmental Management” for the governance structure of environment-related issues, including prevention of air pollution.

For more information, click on the link below.

[P.030 Environmental Management](#)

## Strategies and Risk Management

The NYK Group follows international and regional regulations regarding air pollutant emissions, and operates vessels and air cargo in accordance with the same.

In addition to procuring vessels that meet environmental regulations, we are steadily reducing air pollutants by ensuring that the vessels are operated with the appropriate fuel that is in compliance with rules and regulations (low-sulfur bunker oil), and by using clean, sulfur-free LNG fuel. Moreover, the Group ensures that its use of regulation-compliant fuel oil is controlled through ongoing analysis of bunker oil.

## Initiatives

### Recovery and Treatment of Exhaust Gas from Pure Car and Truck Carriers

NYK has signed an agreement with STAX Engineering Pty Ltd., a U.S. company leading in maritime emissions capture and control, emissions capture and control technology and service to recover exhaust gases from ships.

This initiative comes in response to the California Air Resources Board’s (CARB) extended regulations on exhaust emissions for ships and vessels making port calls in the U.S. state of California. Emission regulations by CARB currently require oceangoing container and passenger ships calling at California ports to reduce their emissions of nitrogen oxides (NOx), reactive gases (ROG), carbon dioxide, particulate matter (PM), and diesel particulate matter (DPM) emissions while at berth. Because pure car and truck carriers and tankers will also be subject to these regulations in 2025, there is an urgent need to address this issue. Since January 2025, NYK has been using this emissions capture and control technology to collect and treat exhaust gas emitted by its pure car and truck carriers while at berth.



Image of exhaust gas recovery and treatment using emissions capture and control technology

## Vessel Speed Reduction

NYK participates in the Protecting Blue Whales and Blue Skies Vessel Speed Reduction (VSR) Incentive Program, which covers the West Coast of North America, is a collaborative effort sponsored by the California Marine Sanctuary Foundation,\* among others. In 2025, NYK has once again demonstrated its commitment to marine environmental protection by reaching the Sapphire tier, the highest ranking, for three consecutive years. This program encourages voluntary vessel speed reduction in the Santa Barbara Channel and the San Francisco Bay area to protect whale populations and minimize air pollution. An analysis of Automatic Identification System (AIS) data from May 1 to December 31, 2024, indicated that our vessels maintained an impressive compliance rate of over 90% in the designated zone.



The Sapphire tier trophy

## Related Data

### NOx, SOx Emissions (from ships)

