

March 23, 2022

Kawasaki Kisen Kaisha, Ltd

Introduction Plan of LNG-fueled Large-scale Dry Bulk Vessel
Installed “Seawing”, an Automated Kite System First Certified as
“Introduction Plan of Vessel with Excellent Environmental Performance (Specified Vessel)”

Kawasaki Kisen Kaisha, Ltd. (“K”Line), has applied for the Specified Vessel Introduction Plan with Japan Marine United Corporation (JMU), as a shipping company working on the Introduction of Vessels with Excellent Environmental Performance (Specified Vessels) based on the Maritime Industry Strengthening Act, and was certified by the Minister of Land, Infrastructure, Transport and Tourism (MLIT) on this date. This certification is one of the first certifications since the start of the System for Specified Vessel Introduction Plans.

【Outline of the System for Specified Vessel Introduction Plans】

Maritime Industry Strengthening Act (a law to strengthen the foundations of the maritime industry responsible for maritime transportation related to Japan which came into effect in August 2021. Based on this act, ship operators and shipbuilders certified as a business foundation strengthening plan can jointly formulate a plan for the introduction of Specified Vessels (Specified Vessel Introduction Plan) and apply it to MLIT. In case the plan is recognized to meet the prescribed certification requirements, MLIT will certify it.

【Contents of Our Application】

Applicant	Ship Operator Kawasaki Kisen Kaisha, Ltd. (“K”Line)
	Shipbuilder Japan Marine United Corporation (JMU) (Business Foundation Strengthening Plan certified : 14 September 2021)
Vessel to Introduce	Gross Tonnage Approx. 110,800 tons
	Dead Weight Approx. 209,490 tons (Designed Dead Weight: Approx.176,790 tons)
	KeelLaid May 2023
	Delivery March 2024
	Service Route Intended mainly for bulk cargo business between Australia and Japan
	Others Selected as the project to promote the introduction of advanced technologies that simultaneously realize social change and logistics decarbonization (of which: promotion of introduction of LNG fuel systems, etc.) publicly offered for Financial Year 2021
Features	LNG-fueled large scale bulk carrier
	With LNG fuel, it is Expected to reduce CO2 emissions by approximately 40% (compared to conventional heavy oil)
	Installation of “Seawing”, an automated kite system utilizing natural wind energy for further CO2 emission reduction
	Installation of integrated ship operation and performance management system “Kawasaki Integrated Maritime Solutions” (K-IMS) on our fleet to minimum fuel consumption (CO2 emissions)

“K” Line has revised a part of its long-term environmental guideline, “K” LINE Environmental Vision 2050**1 and has set a new goal for 2050 "to achieve net zero GHG emissions". “K” Line will actively work to reduce environmental impact by researching, developing, and introducing ships with excellent environmental performance.

*1 “K” LINE ENVIRONMENTAL VISION 2050 can be seen in below links

【Image for Seawing on LNG fueled vessel】



< Related Links >

June 7, 2019

Installation of “Seawing”, an automated kite system utilizing natural energy

~ Social contribution by reducing environmental load ~

[https://www.kline.co.jp/en/news/csr/csr7510328279625406497/main/0/link/190607EN .pdf](https://www.kline.co.jp/en/news/csr/csr7510328279625406497/main/0/link/190607EN.pdf)

January 5, 2021

Expanding “Kawasaki Integrated Maritime Solutions” to chartered vessels

<https://www.kline.co.jp/en/news/other/other-5620095637992119501/main/0/link/210105EN.pdf>

March 12, 2021

Delivery of Next-generation Environmentally Friendly Car Carrier Fueled by LNG

“CENTURY HIGHWAY GREEN”

<https://www.kline.co.jp/en/news/car/car753727087818379669/main/0/link/210312EN1.pdf>

November 4, 2021

The Challenge of Achieving Net-Zero GHG Emissions

~ Revision of 2050 Targets for “K” LINE Environmental Vision 2050 ~

https://www.kline.co.jp/en/news/ir/auto_20211102423677/pdfFile.pdf