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Electric Power Development Co., Ltd.

J-POWER to Equip Fuel Transportation Vessel with Wind Challenger (Hard Sail Wind Propulsion System) **World's First Retrofit of Existing Vessel**

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Hitoshi Kanno) and Mitsui O.S.K. Lines, Ltd. (MOL, headquartered in Minato-ku, Tokyo; President & CEO: Takeshi Hashimoto) have agreed to equip the fuel transportation vessel KURUTAKISAN MARU III (completed in December 2021) with the Wind Challenger hard sail wind propulsion system.*1 The installation on this vessel is scheduled for the second half of 2025.

This will be the first time in the world that Wind Challenger is being retrofitted to an existing vessel.

The Wind Challenger uses a retractable, extendable hard sail to convert wind energy into propulsive force. Installing this system is expected to improve the vessel's fuel efficiency, reducing fuel consumption and greenhouse gas emissions by approximately 5 to 8%. By retrofitting an existing vessel, the project will swiftly contribute to reducing greenhouse gas emissions.



Vessel with Wind Challenger installed

This will be the third time that J-POWER is equipping a fuel transportation vessel with a wind propulsion system. J-POWER is committed to improving fuel efficiency by installing wind propulsion systems and other equipment on existing fuel transportation vessels, in this way helping to reduce greenhouse gases from the shipping industry. The company will continue to take on challenges to achieve carbon neutrality as we declared in J-POWER BLUE MISSION 2050, announced in February 2021.

*1: Wind Challenger, developed primarily by MOL and Oshima Shipbuilding Co., Ltd., converts wind energy into propulsive force for ships using retractable (hard) sails.