



February 10, 2025
NS United Kaiun Kaisha, Ltd.

NSU will Retrofit a Shaft Generator to NSU TUBARAO

NS United Kaiun Kaisha, Ltd. (NSU) will retrofit our operated NSU TUBARAO (400,000DWT Ore Carrier, “the ship”) with a shaft generator to reduce its environmental impact. The retrofit is scheduled in September 2025, in conjunction with the ship's periodical dry-dock.

The shaft generator will redirect a part of the main engine's output to generate electricity by using the rotation of the propeller shaft during navigation, allowing the shaft generator alone to supply electricity used on the ship. This will eliminate the need for a fuel-consuming generator, resulting in reduced fuel consumption and greenhouse gas (GHG) emissions, as well as reduced engine room noise.

The ship will be equipped with rotor sails, a wind-assisted propulsion system. The shaft generator and rotor sails have a high compatibility, as while the shaft generator will provide electricity to operate the rotor sails, it will enable to adjust the load on the main engine through the propulsive effect of the rotor sails.

We will strive for reducing its environmental impact and promote the sustainable shipping strategy set forth in our medium-term business plan.



A model of shaft generator to be installed on the ship.

For further information, please contact:

Takashi Kawamoto, General Manager, Ship Management Group TEL 81-3-6895-6586