

FROM THE EDITOR...

Colombo Dockyard PLC (CDPLC) is the front runner of Sri Lankan industrialization as the leading contributor to the national export earnings from the shipbuilding sector, earning much needed foreign currency to the Sri Lankan economy from its inception in 1974. CDPLC operates in joint collaboration with Onomichi dockyard company limited of Japan which has a splendid history of ship building from late Edo period. CDPLC delivered “Misje Vita”, 5000DWT eco bulk carrier built for Misje Eco Bulk AS, Norway (Misje) on the 21st September 2022. Norwegian company Misje Eco Bulk AS is CDPLC’s first European customer for a shipbuilding project and the delivery of the vessel marks a historic milestone in Sri Lankan shipbuilding which demonstrates the CDPLC’s ability to produce different types of vessels with varying and modern technologies.



CDPLC signed and executed shipbuilding contracts with Misje Eco Bulk AS (Misje) a Norwegian company, a fully owned subsidiary of Kåre Misje & Co in March 2020 for four vessels and in December 2021 for another two vessels and reservation of dock slots for additional four vessels in September 2022. CDPLC is pleased to be able to deliver the ship on schedule despite many disruptions both domestically and internationally. Sri Lanka’s economy is striving to recover from a serious downturn, and CDPLC has been able to manage operations during this difficult period through aggressive planning and continuous government support.

This is the first vessel of the series and this 89.95m long vessel (Misje Vita) is designed to hold a cargo capacity of 5000 DWT. The type of cargo it could carry includes bulk cargo, grain, timber, unit loads and containers. These vessels are designed to be sustainable and climate friendly with lower emissions compared to conventional bulk carriers of the same size. Each vessel has a 4-stroke diesel engine (1600 kW/ 1000 rpm) with a hybrid-electric drive system incorporated with Active Front End (AFE) technology allowing bi-directional power flow, and the battery unit is mainly used for peak shaving and capable of supplying constant power for a certain time period in steaming mode as well. Separate Power and Energy Management System (PMS/EMS) inbuilt controls and manages the surveillance of the electric power production and consumption taking into account the generating set, hybrid drive system, battery system, switchboards and consumers.

These state-of-the-art bulk carrier concepts are in line with the owner’s vision of providing Norwegian and European industrial customers with the most profitable, predictable, safe, and most environmentally friendly maritime transport services. The design and basic design were developed by Wartsilaship design Norway AS. Detailed design was carried out in-house by the CDPLC design team.

This project illustrates CDPLC’s reputation in the European market with the brand “Built in Sri Lanka blending Sri Lankan technology with Japanese quality” receiving high recognition and acceptance in Europe market. The delivery of these ships makes CDPLC one of the leading ship building companies in South Asia.

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