

PRESS RELEASE

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SIREHNA SUPPLIES DYNAMIC POSITIONING SYSTEM FOR THE NEW RITZ CARLTON YACHT COLLECTION FLEET (RCYC)

In July 2024, Chantiers de l'Atlantique validated the sea acceptance test of the SIREHNA DPO Dynamic Positioning system as part of the delivery of the ILMA vessel (which means "water" in Maltese) to its owner.

This achievement is part of the J35 project, for the construction of the ILMA vessel, the new 242-meter luxury yacht destined for the owner RITZ CARLTON.

This new system is the 117th DP system supplied by SIREHNA all vessel's type combined, and the 5th system installed on a cruising vessel following the 4 vessels of MSC (E/F/G and H 34 - Class Meraviglia) also built by Les Chantiers de l'Atlantique.

A state-of-the-art Dynamic Positioning System

The DP system provided by SIREHNA comprises three workstations, offering an optimal user interface and exceptional precision:

A simplified main operator working station equipped with a 27-inch screen for central supervision.

A joystick panel with a 3-axis joystick and trackball.

Two fixed operator station (Wingstations) located on the port and starboard wings, allowing direct and secure control of maneuvers from each side of the vessel, thanks to a 12-inch touch screen and a joystick.

A switch to select and switch between manual control of the propulsion and Dynamic Positioning.



Advanced functions & maneuvering modes

The system is designed to integrate advanced modes and functions that comply with the DNV standard, allowing precise low-speed maneuvers essential for delicate maritime operations. Among these modes are:

Manual Joystick Mode: for direct and intuitive control of the vessel's movements.

Joystick Combined: facilitating complex maneuvers by synchronizing the commands of multiple systems



Complete integration with the vessel's hybrid propulsion

The SIREHNA DP interfaces seamlessly with the vessel's propulsion, provided by two ABB Azipod DD 1600 units.

These electric motors, housed in 360-degree rotatable pods under the stern, deliver a total power of 11 MW. Additionally, three Brunvoll bow thrusters are integrated to facilitate port maneuvers.

The vessel's propulsion mainly operates on liquefied natural gas (LNG) thanks to four dual-fuel engines that can run on either LNG or diesel, significantly reducing its emissions compared to traditional practices.

The SIREHNA DP system is configured to capture and process propulsion data, ensuring optimal performance regardless of the fuel type used.



Cyber Secure by design

The software and hardware design of this new system benefits from SIREHNA's work in the world of naval defence, which ensures the most advanced level of security in line with the new regulations resulting from the work of the IACS applicable to new ships from July 2024 and which must be complied with by shipowners and maritime class and certification companies (UR26 and UR27) - Cyber resilience & integrity.



The sistership LUMINARA in 2025

The K35 vessel, which will be named LUMINARA, will be delivered to RITZ CARLTON in 2025, with an option for potentially 2 other vessels of the same class.



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