

SIREHNA has developed a remote controlled system designed to ensure ship control and navigation safety during remote operations. The operator is able to supervise the operations from the shore center and has a direct control on the navigation with the SIREHNA®DP System & Autopilot.

The solution includes:

- SIREHNA®DP System & Autopilot
- Maritime environment perception
- SIREHNA®BRIZO module for collision alerts
- Fail safe function
- Communication system for all range of operations
- Shore center

Environment perception based on radar, AIS video technologies ensure navigation awareness and the SIREHNA®BRIZO system enhances the navigation safety (collisions & risks prevention)

The communication system (secured protocol & video broadcasting) guarantees a high level of availability according to operational needs (5G, S-band or VSAT).

A fail safe function has been developed by SIREHNA to ensure the ship control even in case of communication loss.

- CERTIFIED DP & AUTO PILOT
- ENVIRONMENT PERCEPTION
- COLLISION ALERT
- COMMUNICATION SYSTEM
- SHORE CENTER
- NEW BUILD OR REFIT



TELEOPERATED SIREHNA®DP SOLUTION







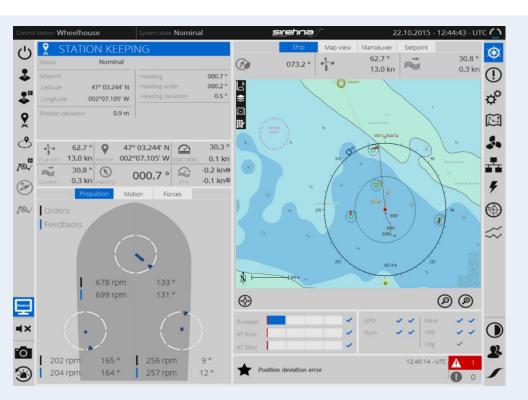
OBSTACLE & COLLISION ALERT

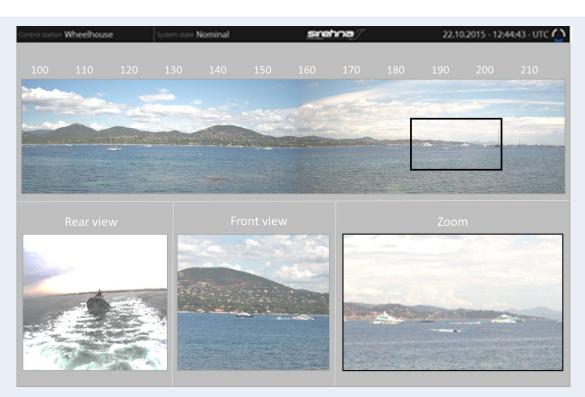


SYSTEM



CENTER





DP Control station

SIREHNA's shore center & the DP control Station allows remote control from a deported DP control station:

- Control modes activation (Joystick, Station keeping...)
- Performances monitoring (Position, heading, speed)
- Navigation equipment management (propulsion, navigation sensors)
- System Monitoring & Alarms management

Navigation Awareness Station

SIREHNA's shore center & Navigation awareness station displays to the opertor a full perception of the operational environment:

- Panoramic view up to 360°
- Custom views (Rear, front, zoom)
- Obstacle detection & collision alert (COLREG)
- Suggested obstacle avoidance maneuver (advanced function)

TELEOPERATED SIREHNA®DP ARCHITECTURE

