

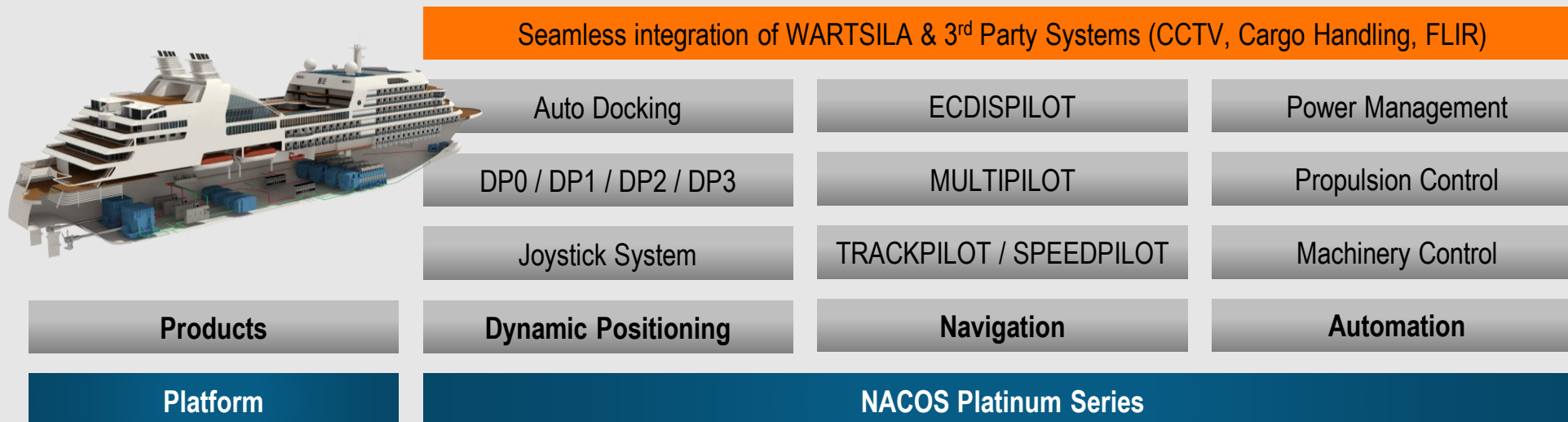
WÄRTSILÄ NACOS Platinum Navigation / Automation

Son, KyuHo / Area Sales Manager, Wartsila Voyage

PLATINUM NAVIGATION

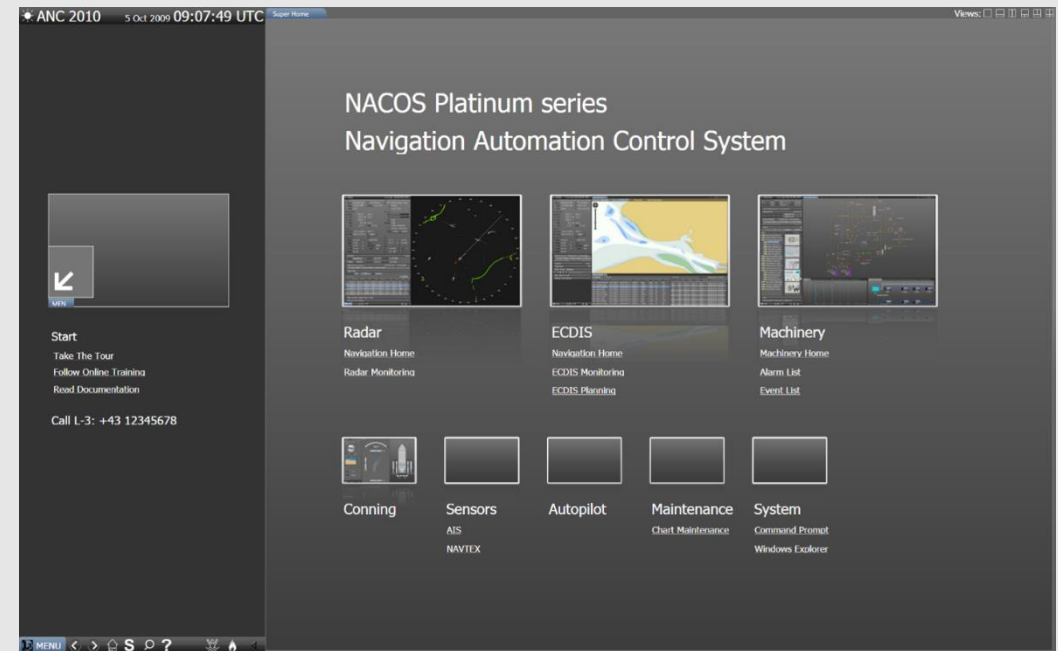


Navigation Automation Control System **NACOS Platinum**

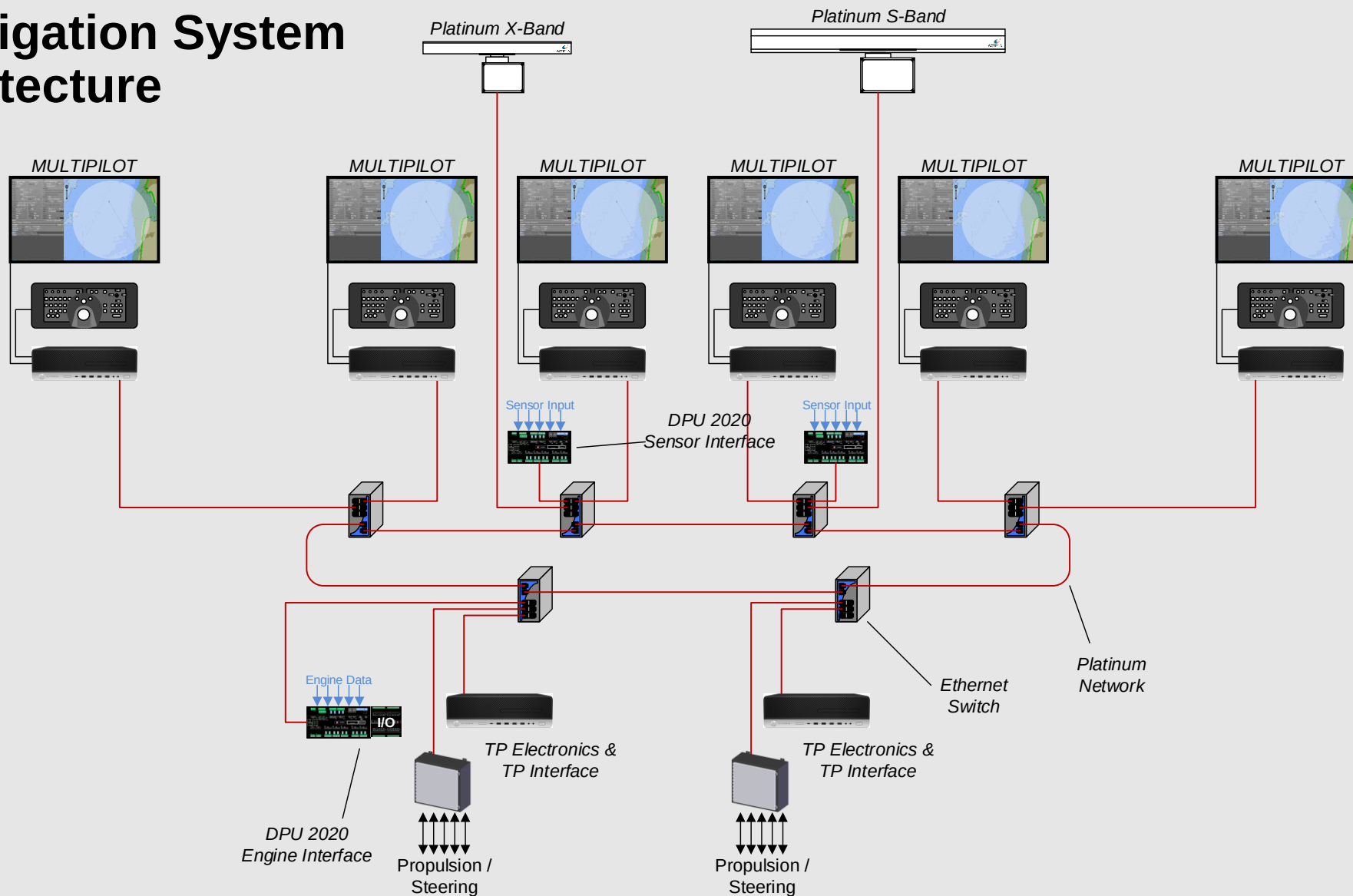


NACOS Platinum Platform Features

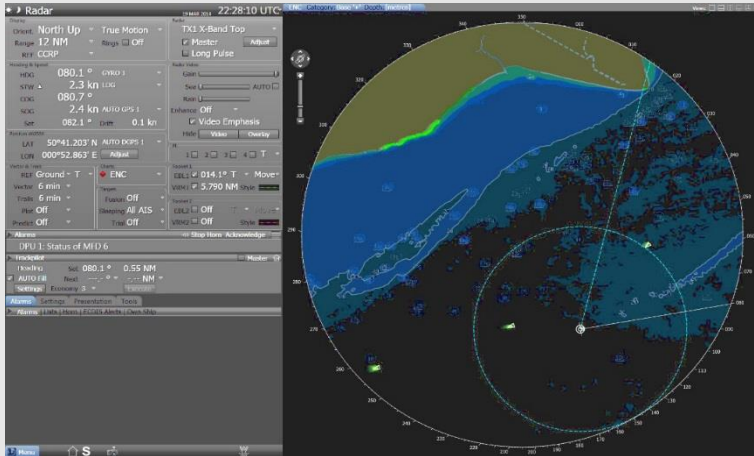
- ✓ Integrated Navigation, Automation and DP under one umbrella
- ✓ Common Hardware
- ✓ Common Software
- ✓ Common User Interface
- ✓ Network based system
- ✓ True multifunctional Workstations
- ✓ Exceptional Flexibility and Scalability
- ✓ Super Home Concept



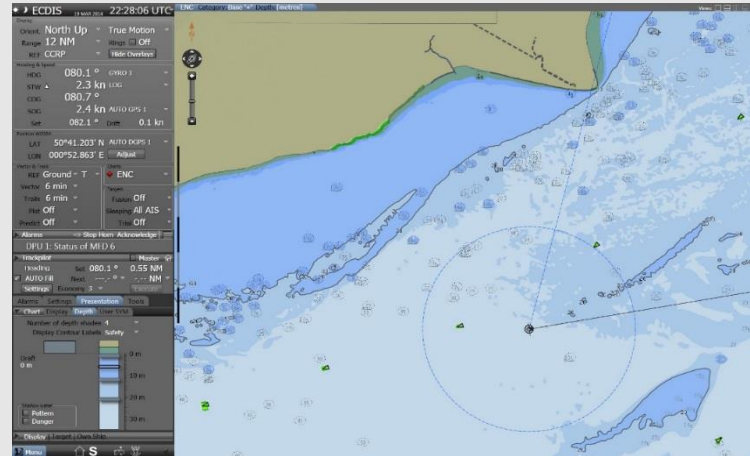
Platinum Navigation System System Architecture



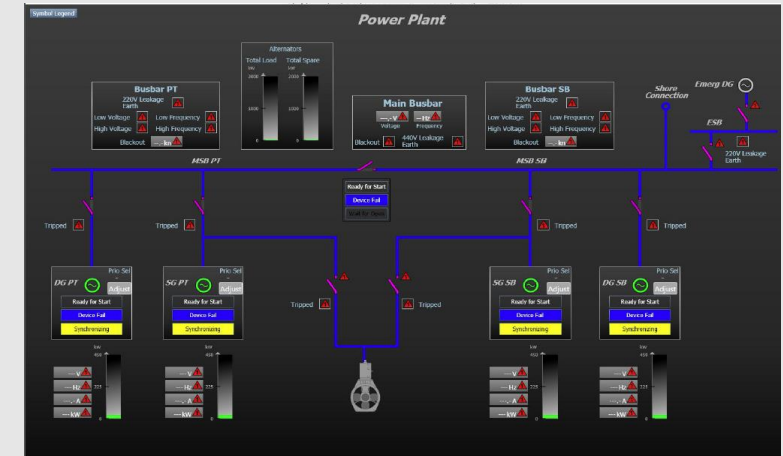
NACOS Platinum Applications



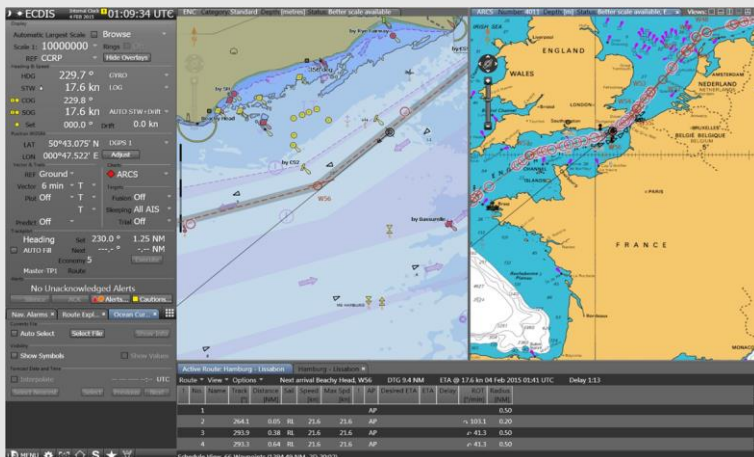
RADAR



MULTIPILOT



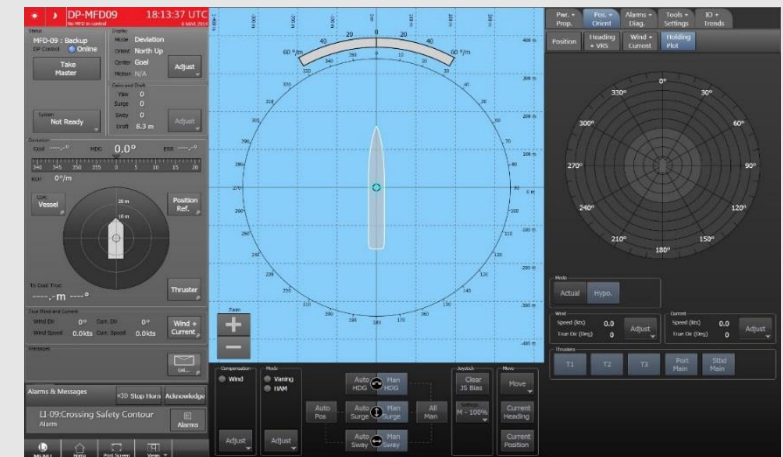
AUTOMATION / PCS



ECDIS

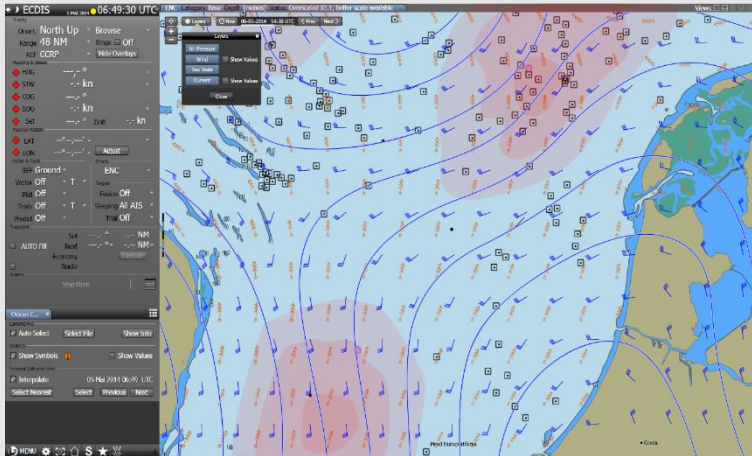


CONNING

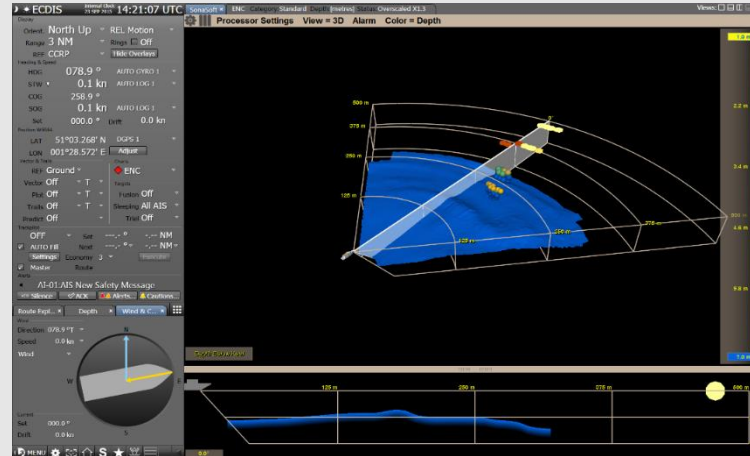


DYNAMIC POSITIONING

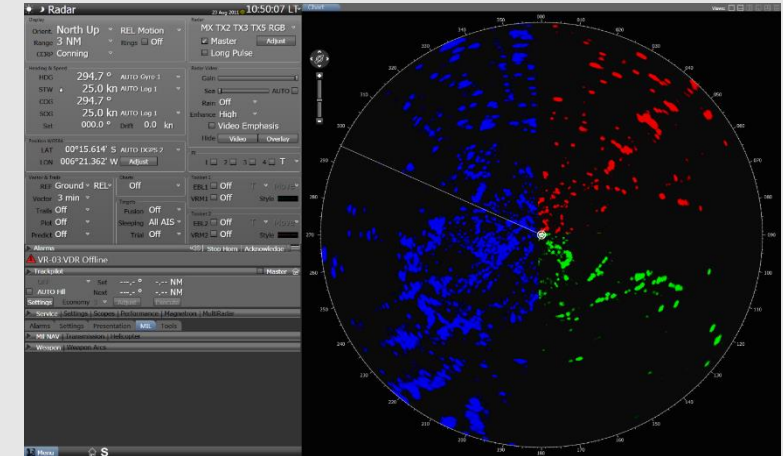
NACOS Platinum – Extended applications and 3rd Party integration



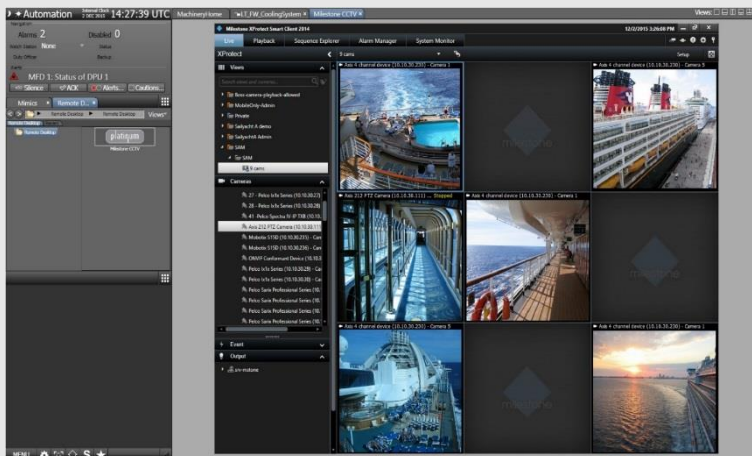
REAL TIME ENVIRONMENTAL DATA



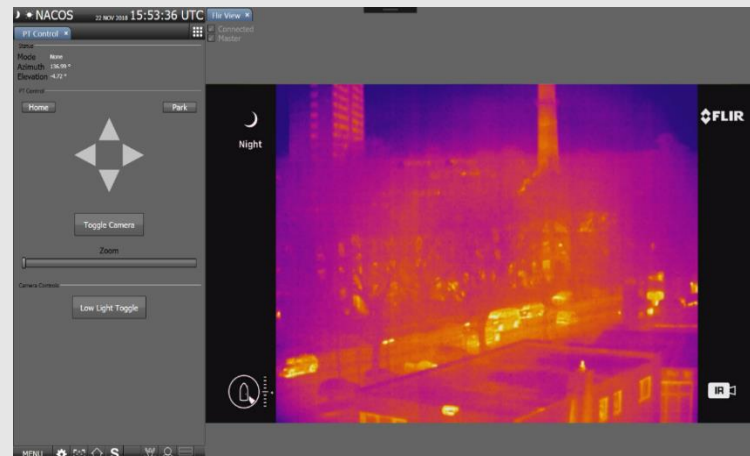
SONAR INTEGRATION



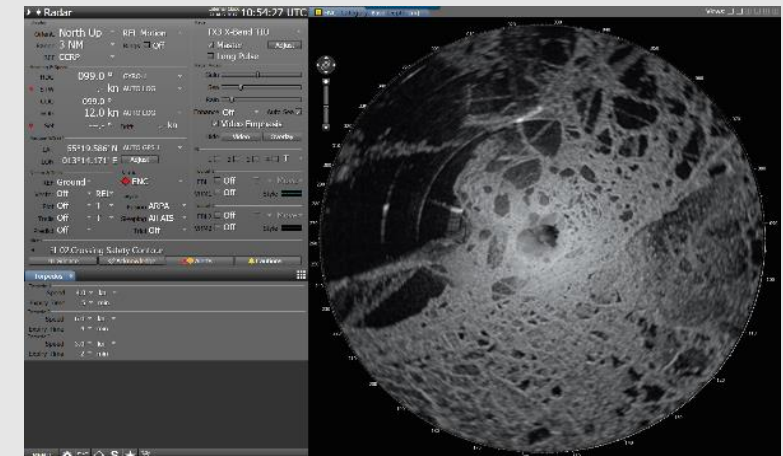
RADAR MERGING



CCTV INTEGRATION



FLIR INTEGRATION

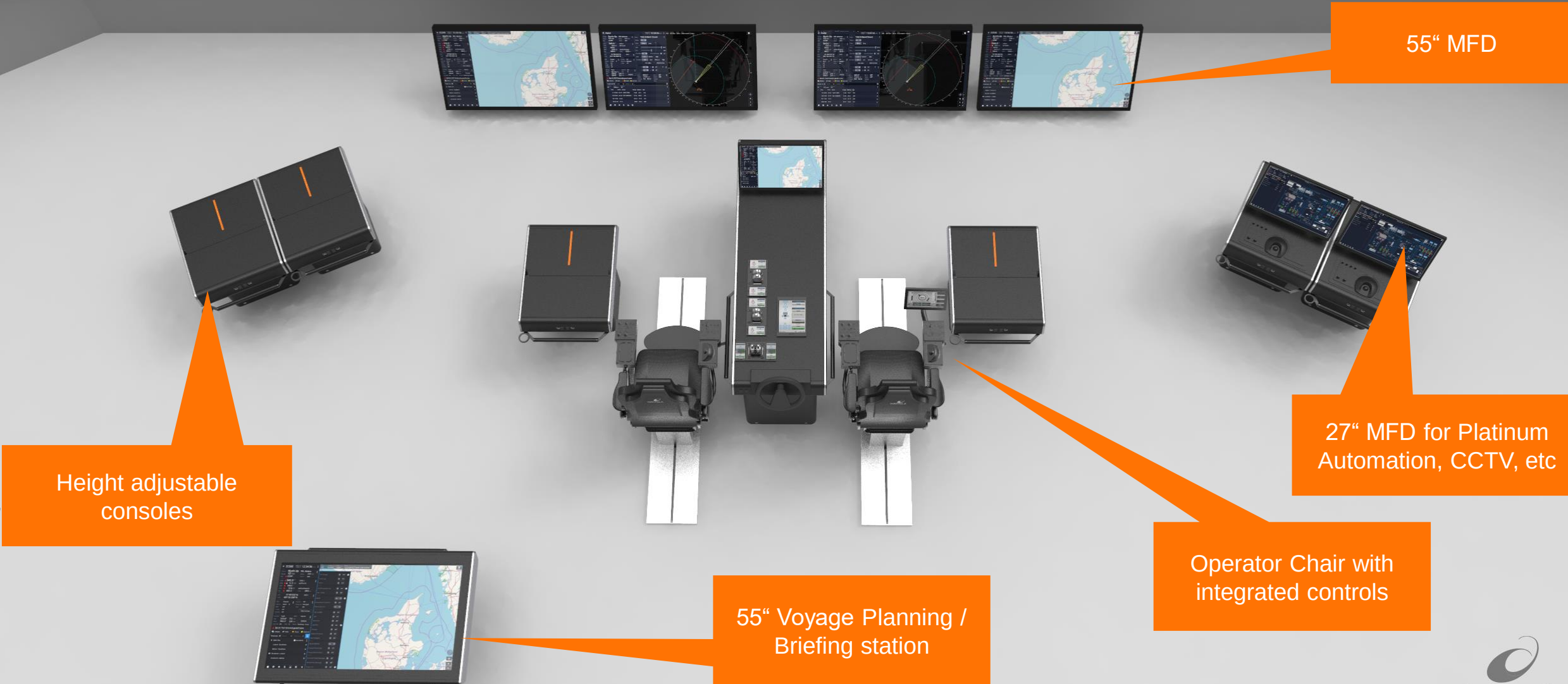


ICE / SMALL TARGET DETECTION

IMPROVED CONSOLE DESIGN

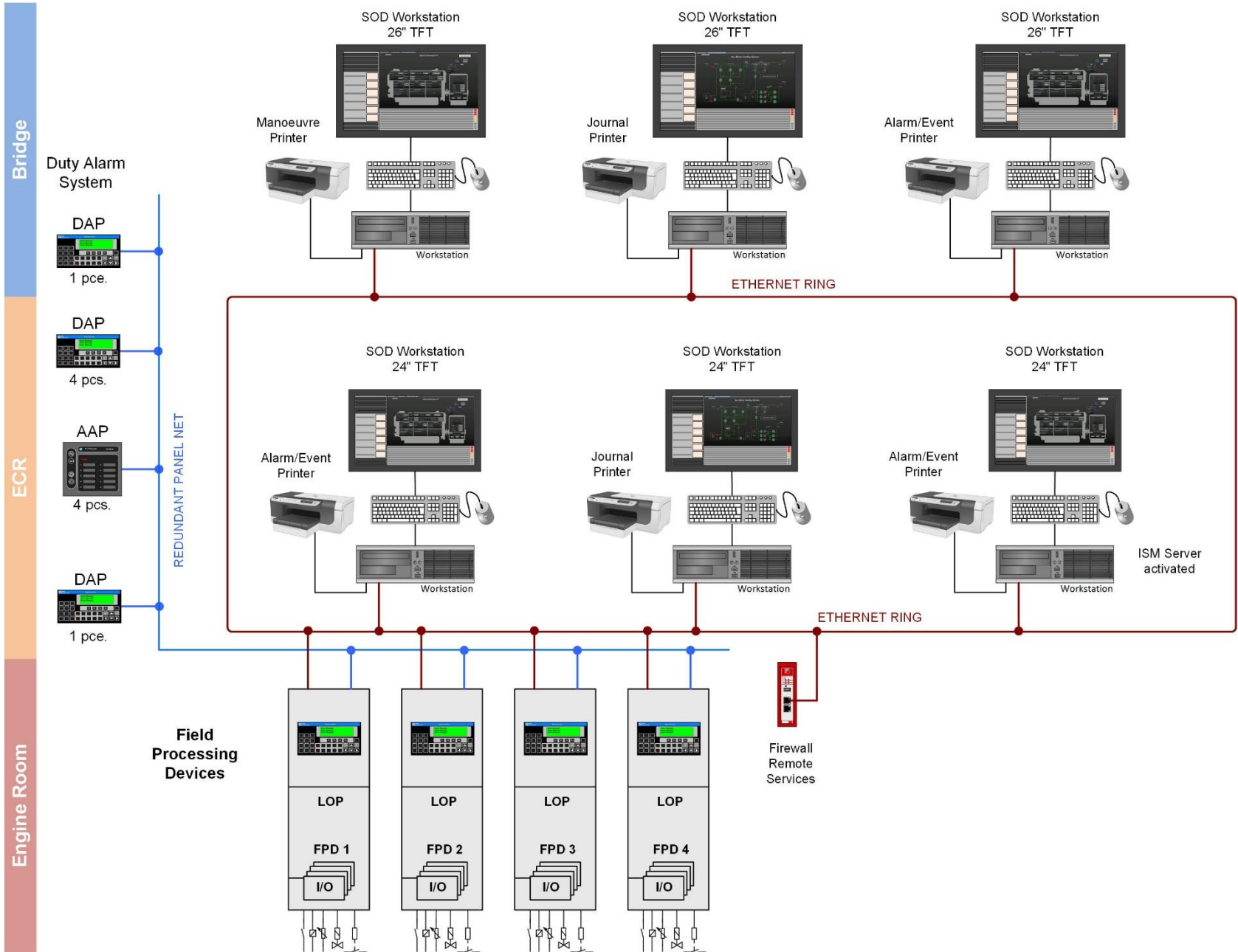


Wärtsilä industrial design team

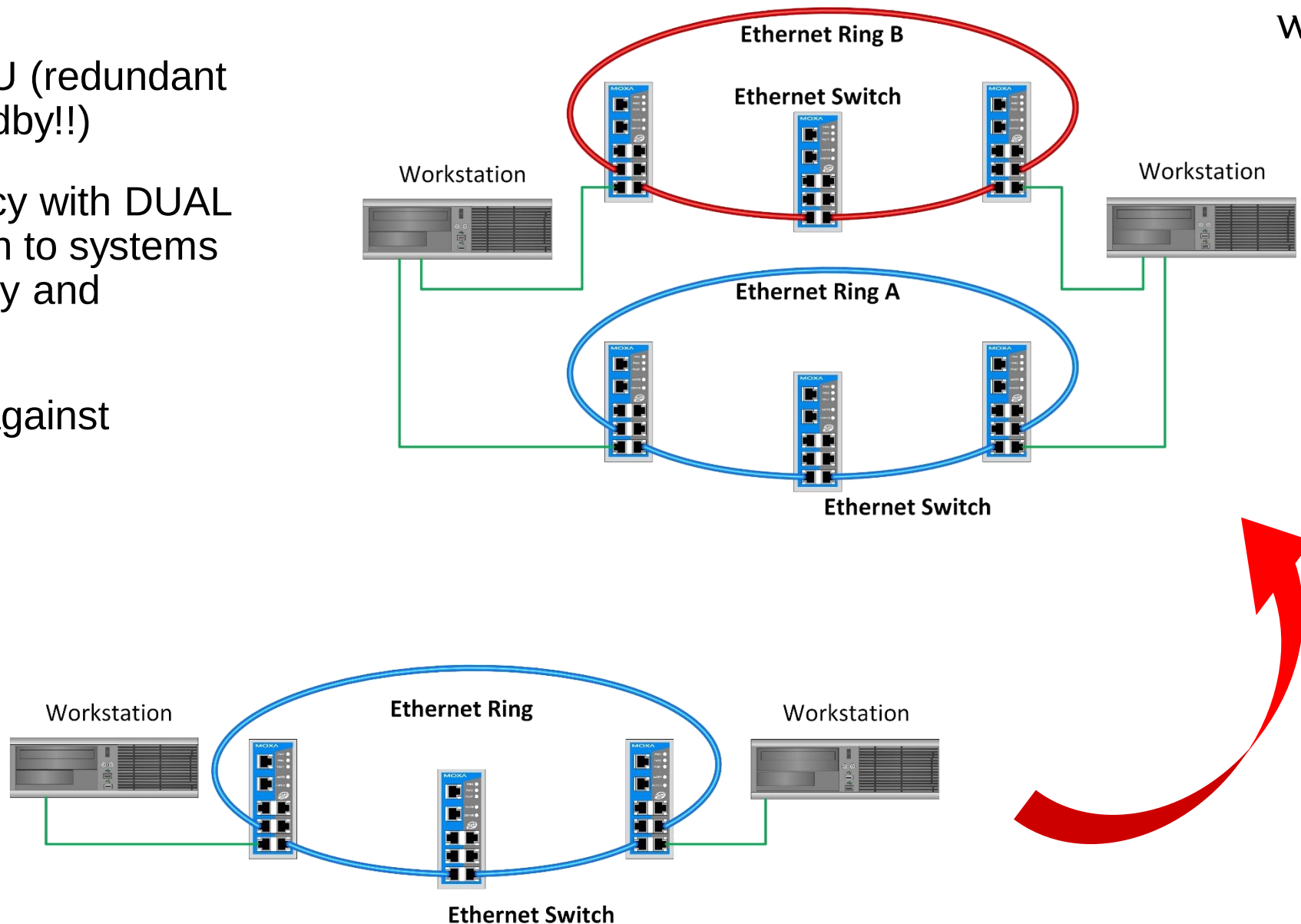


PLATINUM AUTOMATION





- Optional DUAL CPU (redundant CPU: for Hot-Standby!!)
- Superior redundancy with DUAL CPU in comparison to systems with central topology and redundant CPU
- Improved stability against malfunction





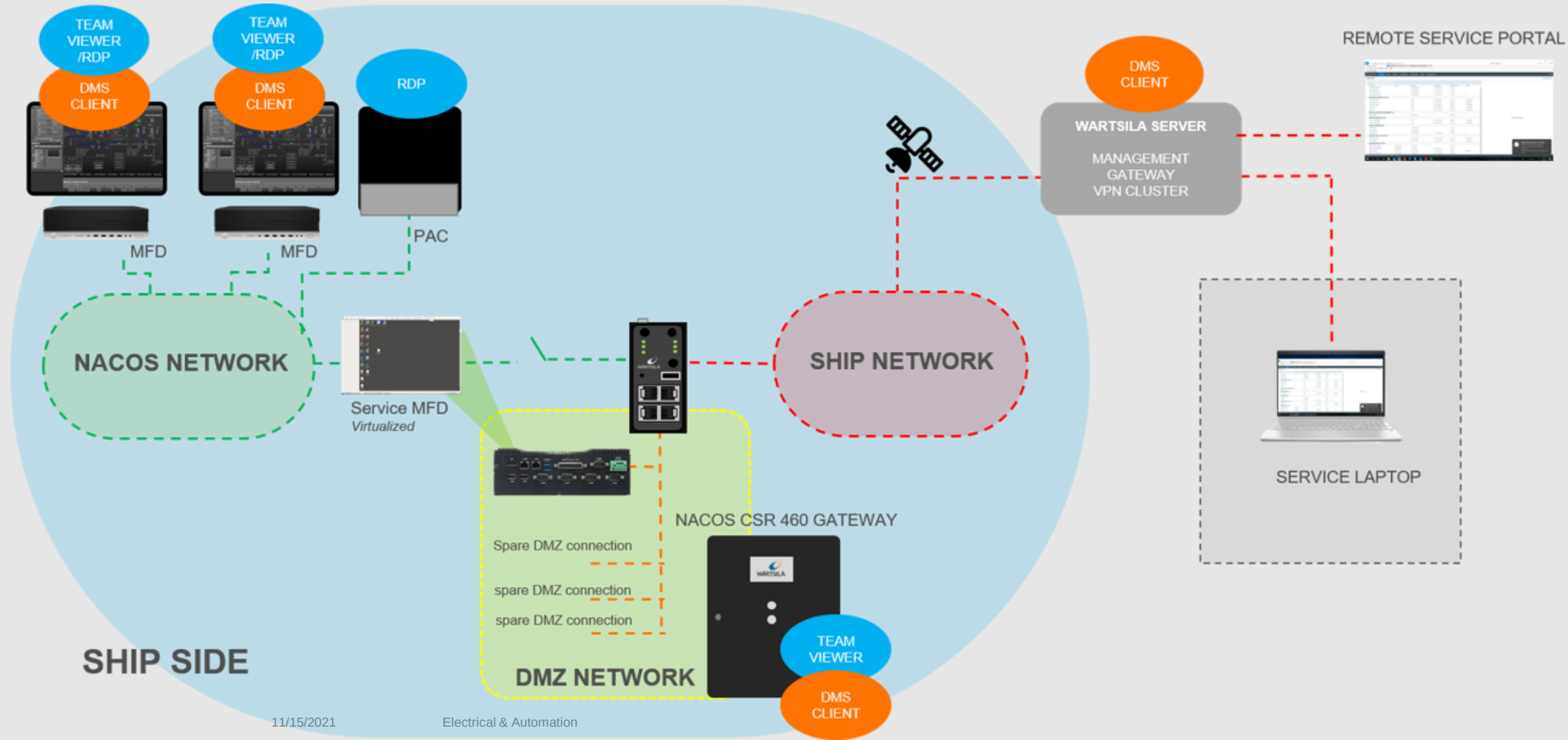
I/O MODULES

- Compact housing
- Wire break monitoring
- Earth Fault Detection
- Galvanic Isolation I/Os
- Signal Filter (analog)
- Redundant Configuration (optional)
- Remote I/O's (optional)
- No cabinets necessary



...compact and powerful

Remote Maintenance and Commissioning





WÄRTSILÄ