

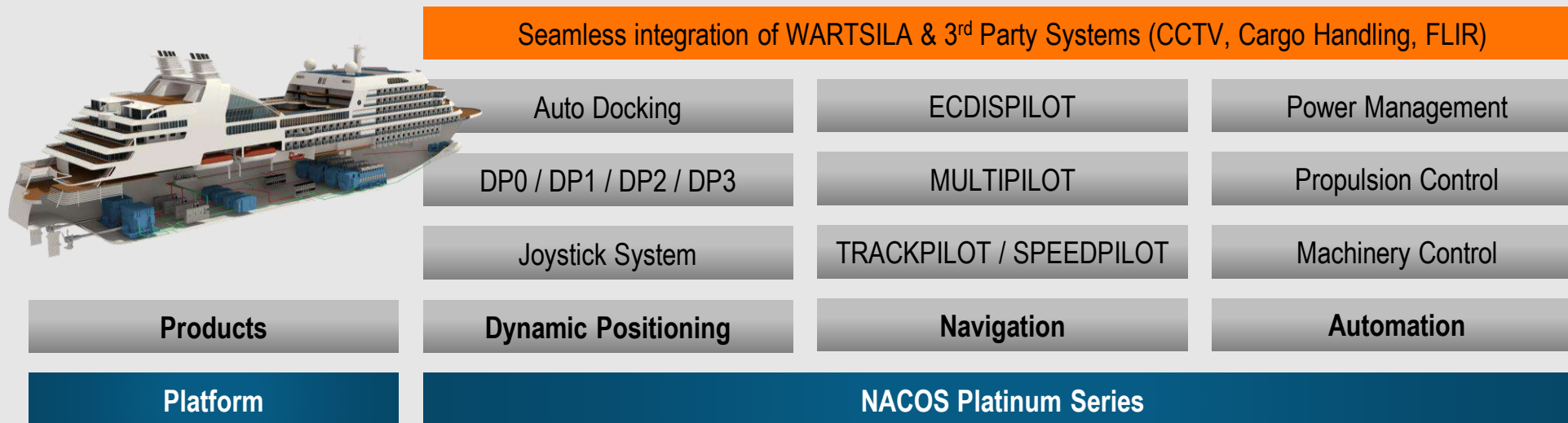
WÄRTSILÄ NACOS Platinum Navigation / Automation

Son, KyuHo / Area Sales Manager, Wartsila Voyage

PLATINUM NAVIGATION

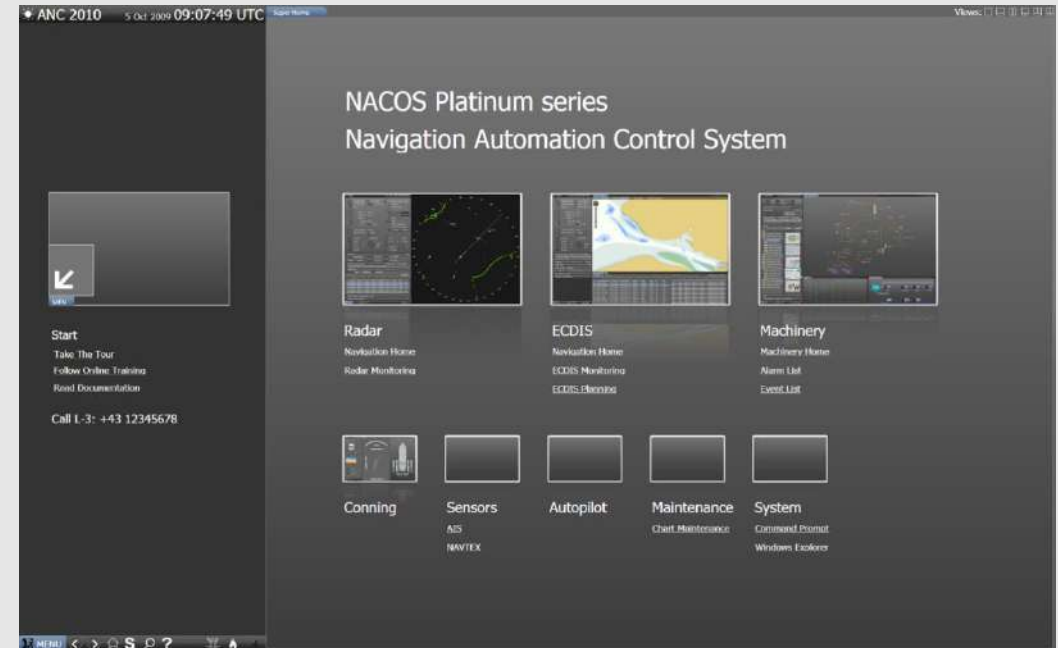


Navigation Automation Control System **NACOS Platinum**

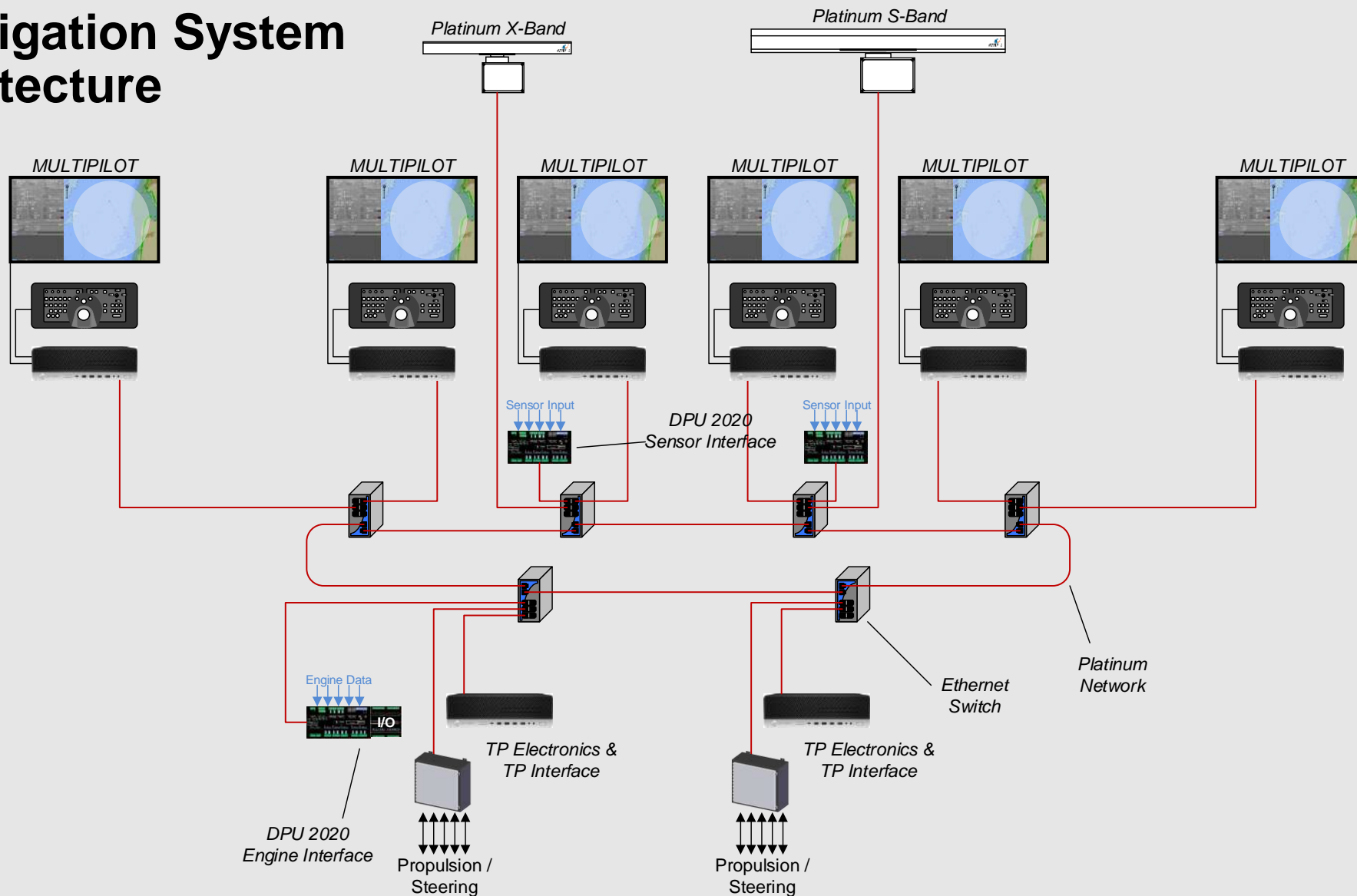


NACOS Platinum Platform Features

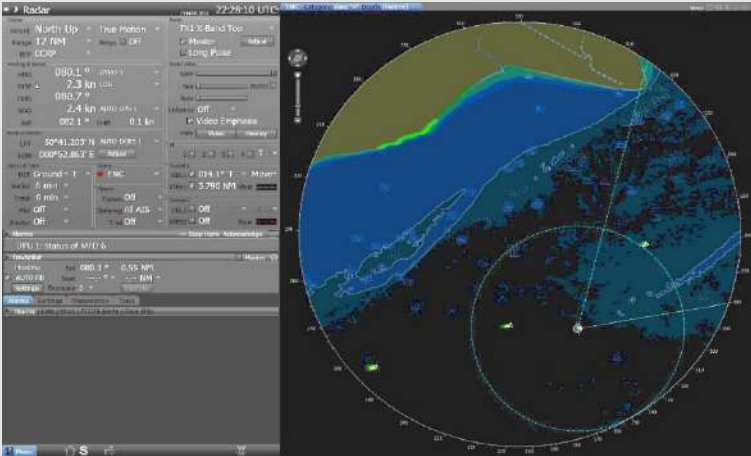
- ✓ Integrated Navigation, Automation and DP under one umbrella
- ✓ Common Hardware
- ✓ Common Software
- ✓ Common User Interface
- ✓ Network based system
- ✓ True multifunctional Workstations
- ✓ Exceptional Flexibility and Scalability
- ✓ Super Home Concept



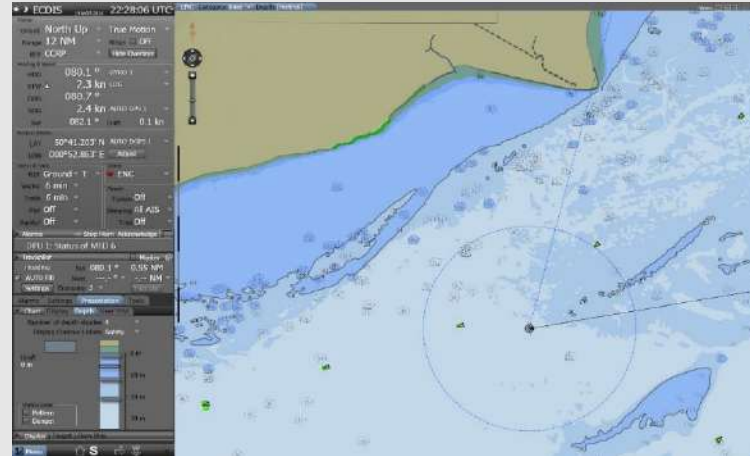
Platinum Navigation System System Architecture



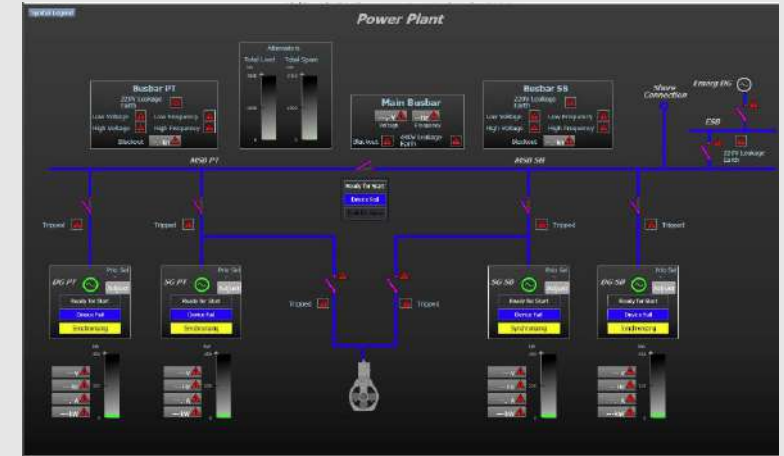
NACOS Platinum Applications



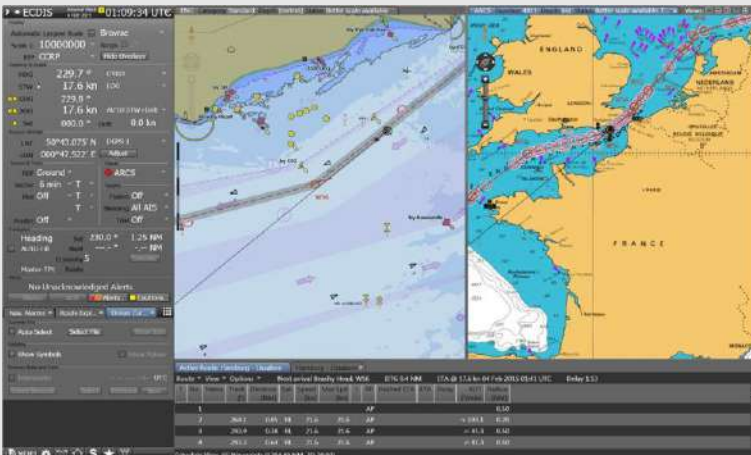
RADAR



MULTIPILOT



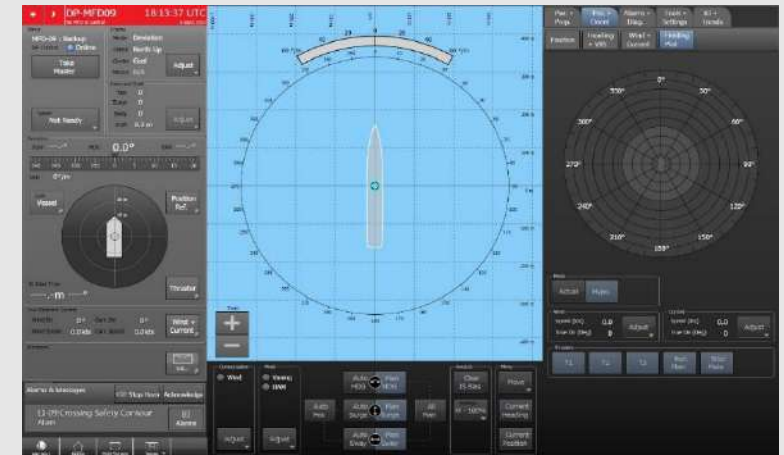
AUTOMATION / PCS



ECDIS

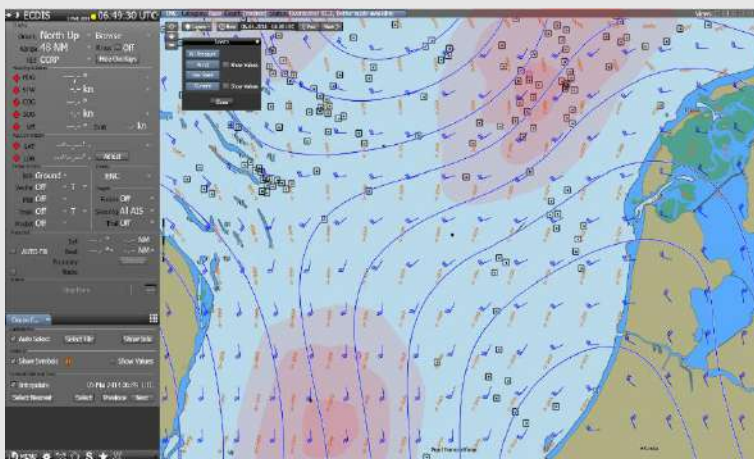


CONNING

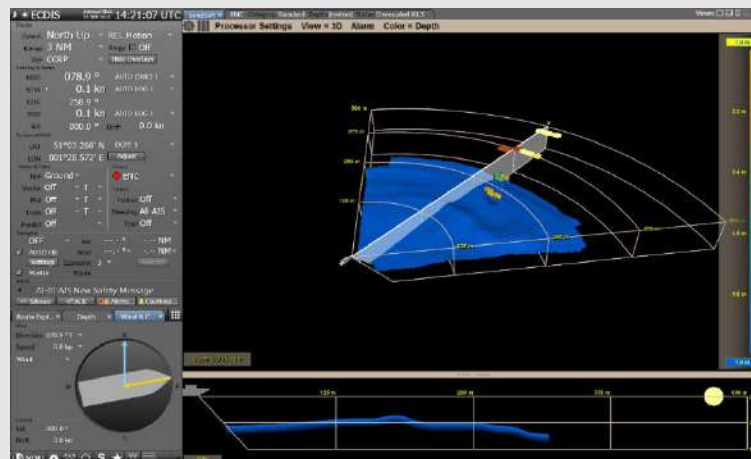


DYNAMIC POSITIONING

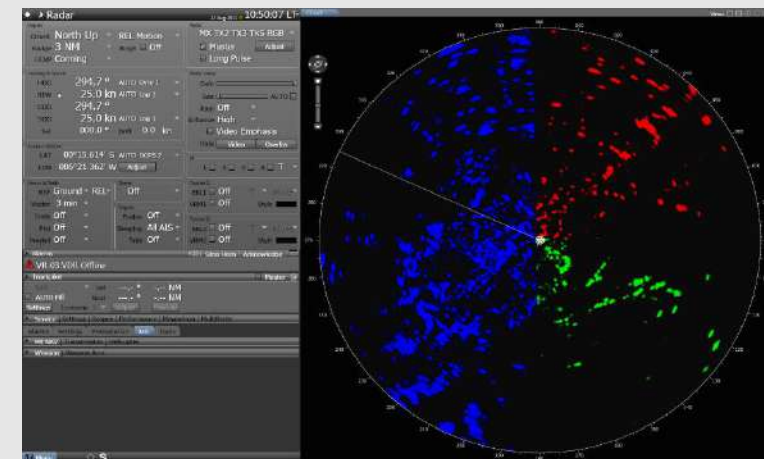
NACOS Platinum – Extended applications and 3rd Party integration



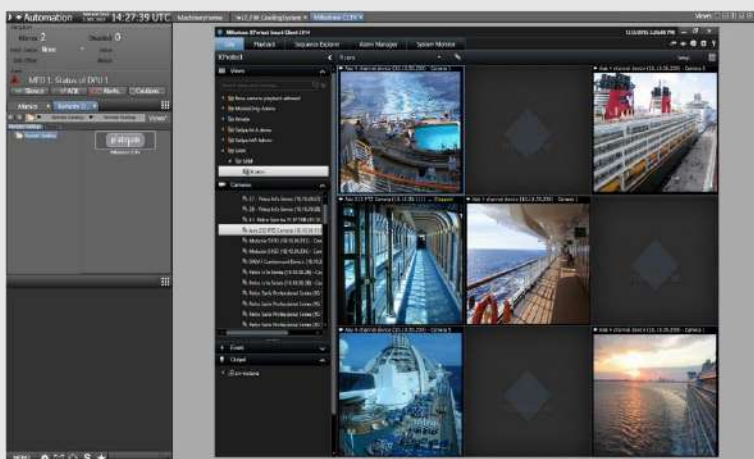
REAL TIME ENVIRONMENTAL DATA



SONAR INTEGRATION



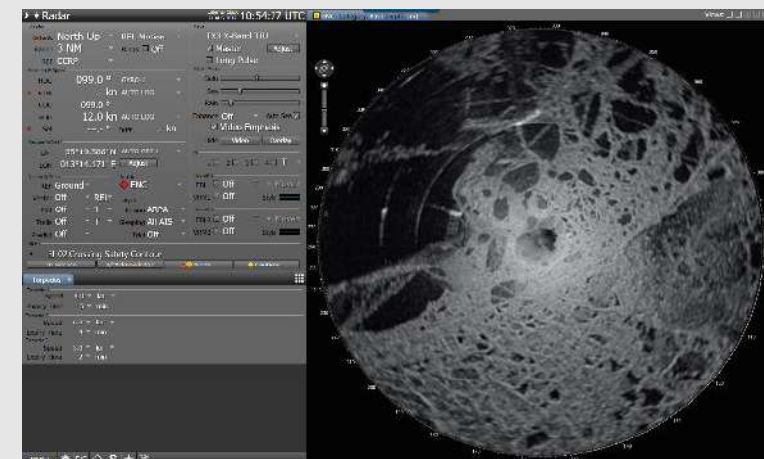
RADAR MERGING



CCTV INTEGRATION



FLIR INTEGRATION



ICE / SMALL TARGET DETECTION

IMPROVED CONSOLE DESIGN



IMPROVED HUMAN MACHINE INTERFACE

Wärtsilä industrial design team



Height adjustable
consoles



55" MFD



Operator Chair with
integrated controls



27" MFD for Platinum
Automation, CCTV, etc



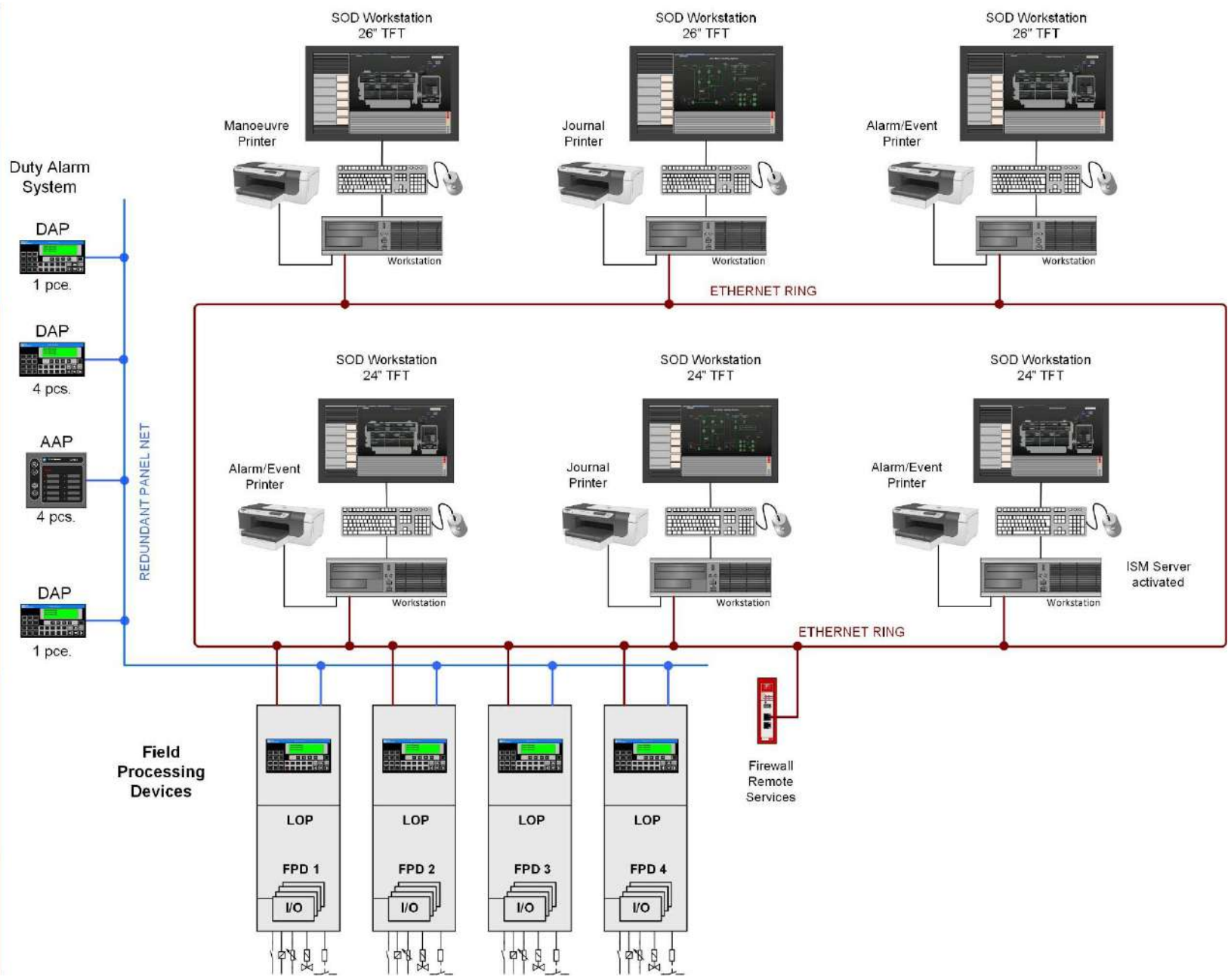
55" Voyage Planning /
Briefing station



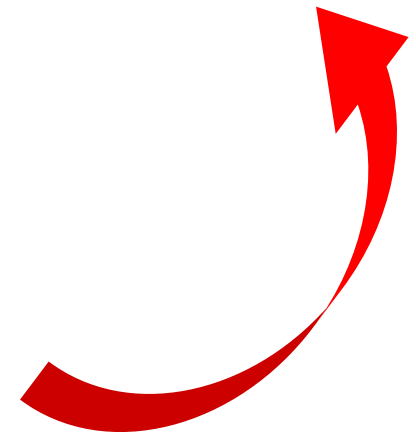
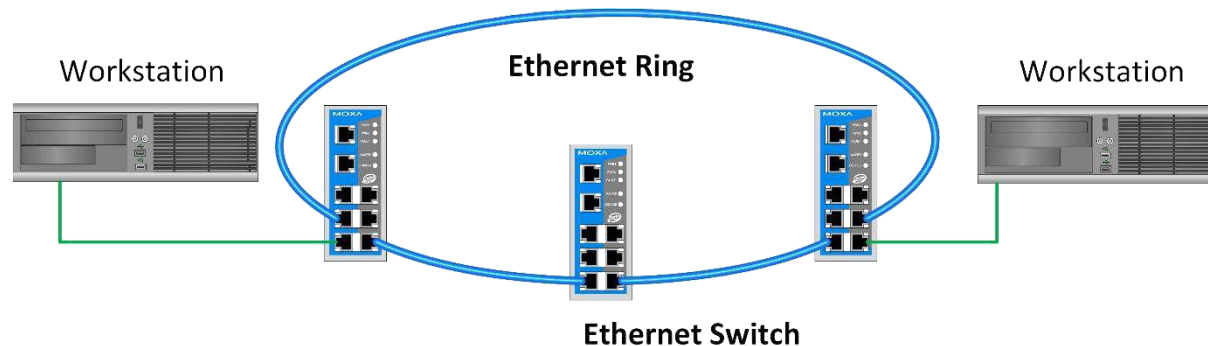
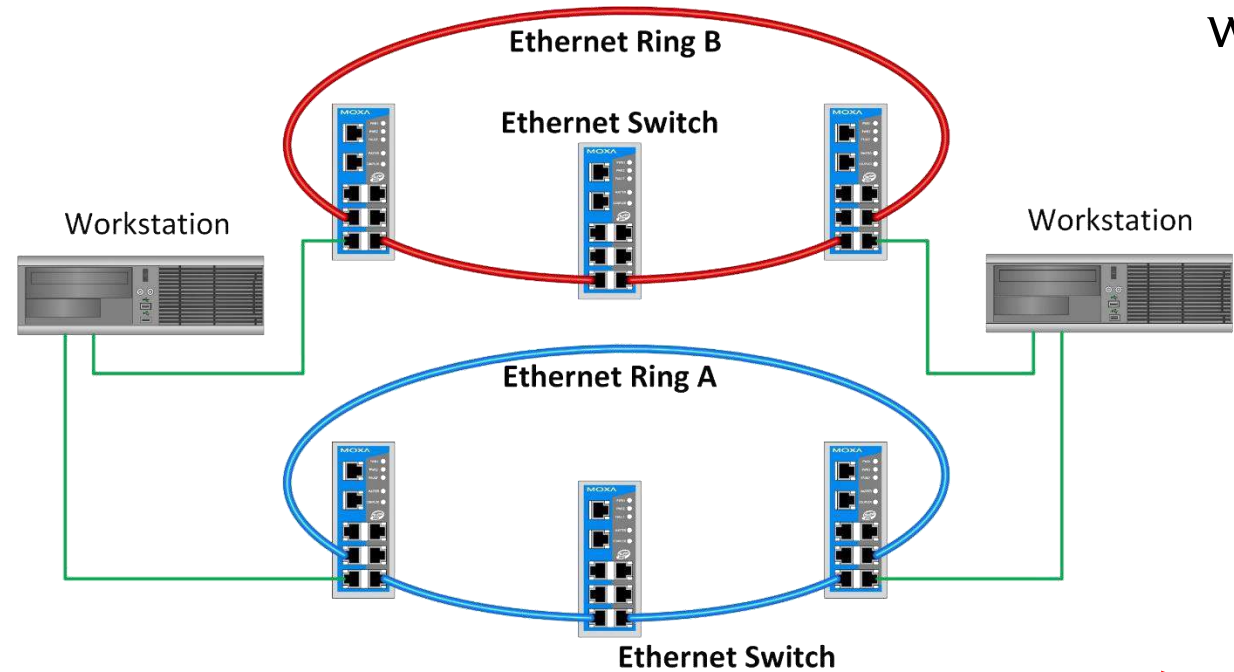
PLATINUM AUTOMATION



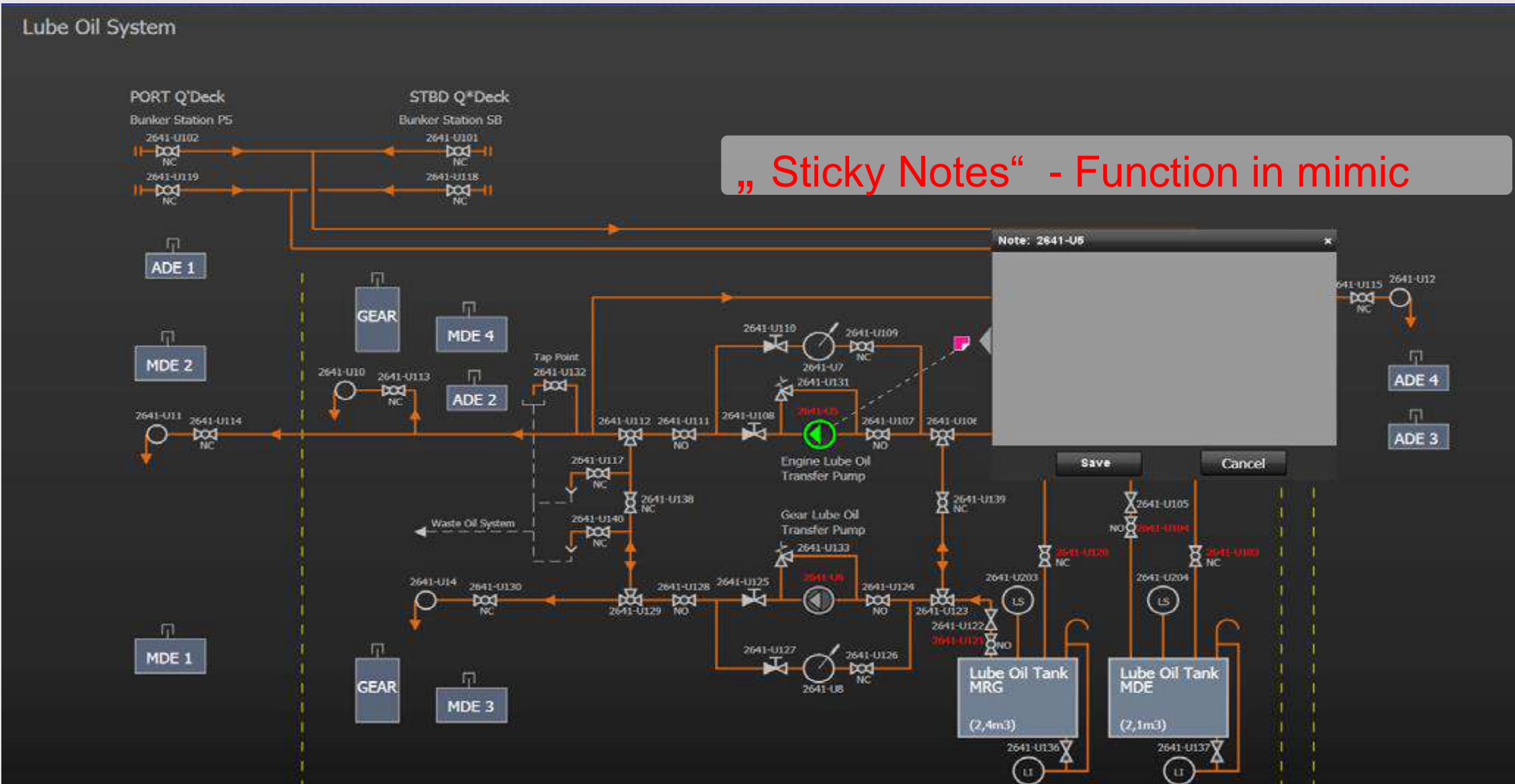
Bridge
ECR
Engine Room



- 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



„ Sticky Notes“ - Function in mimic



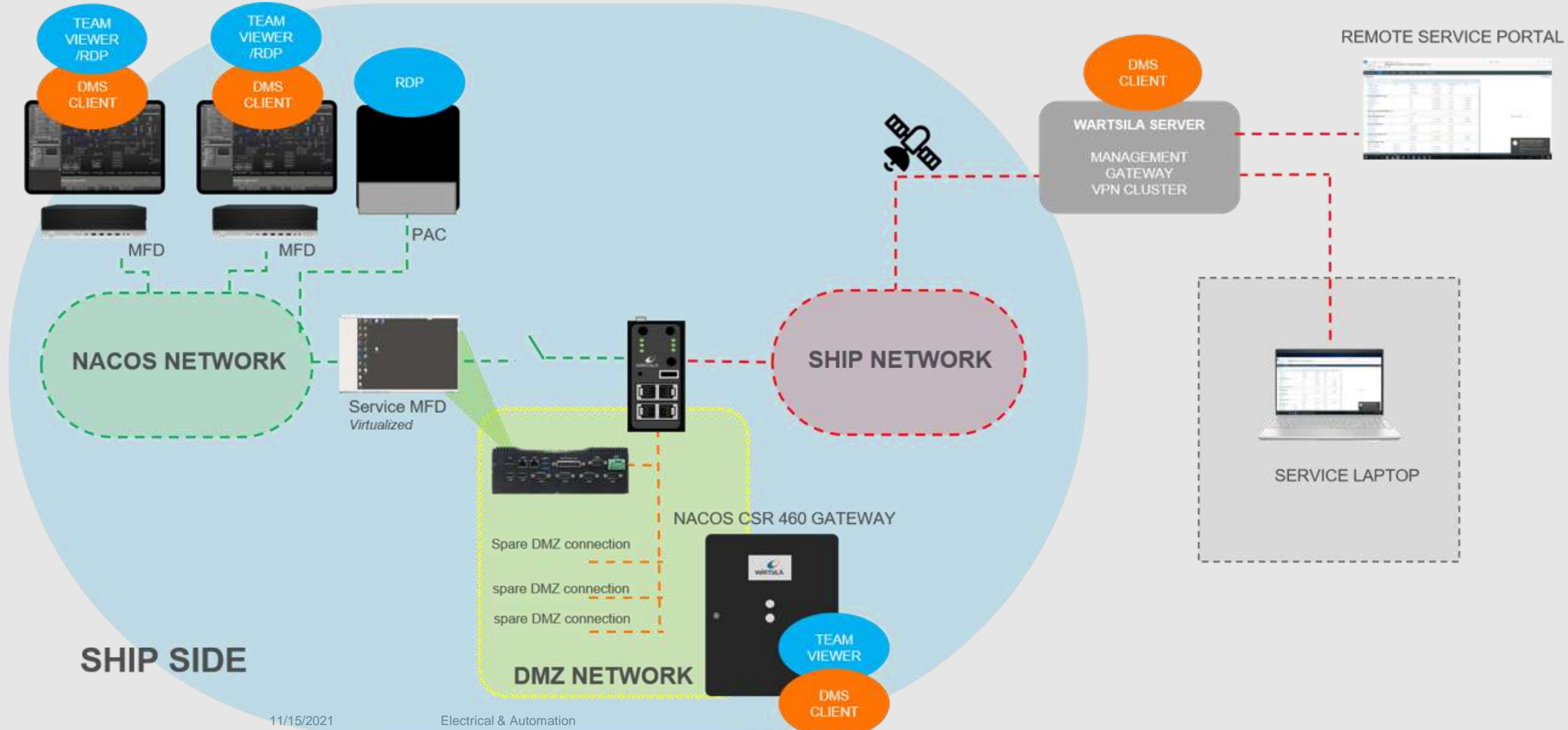
I/O MODULES

- 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