



SMARTSHIP POWERBUS COMPACT

Compact RingBus control solution for efficient actuator integration with reduced installation effort

The electro-hydraulic and electric PowerBus-Compact system offers a wide range of unique features that make it the top choice for high-performance vessels, particularly for ship designs where reliability and a compact footprint are important to meet the requirements of shipowners and the classification rules of all major societies.

Why Smartship Powerbus Compact

- Significant installation cost and weight savings (70-90%) compared to standard systems due to less cabling
- Controls electro-hydraulic (EH) and electric (E) actuators
- Supports a hybrid control solution for all actuators in one bus loop
- Utilizes a ring bus topology to enhance operational safety
- Allows integration of additional signals (e.g., 4–20mA analogue or binary signals)
- Flexible redundancy concepts as per specific demand



System Design

- 1 Compact control cabinet with monitor
- 2 power feedings with switch over function
- 2 SMARTSHIP POWERBUS ring bus loops
- 64 actuators per ring bus loop
- 128 actuators in total
- 4 analogue (4...20mA) or binary (I/O) signals per actuator

OUR PRODUCT RANGE

Fluid & Floating

- Valve Remote Control
- Anti-Heeling
- Tank Gauging
- Flume Anti-Rolling
- Interling Anti-Rolling
- Distance Measuring
- Draught Measurement
- Electronic Inclinometer
- Dynamic Draught and Floating Monitoring
- Floating Condition Control

Performance & Energy

- Emission Monitoring
- Energy Measurement
- Shaft Power Meter
- Fuel Measurement
- Energy Saving Solutions
- Crew Connect
- Performance Monitoring
- Data Collection and Acquisition

Fleet Services

- Spare Parts
- Technical Service
- Retrofit- And Upgrades
- MIoT Digitalization Upgrade

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