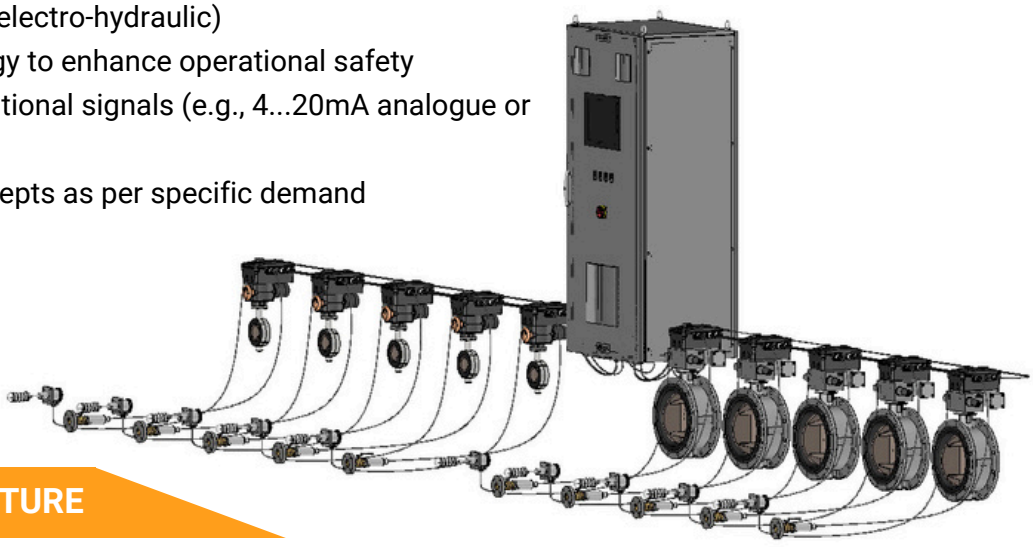
SMARTSHIP POWERBUS - COMPACT

Bus-based valve remote control system designed to reduce the amount of cabling required to control valves and sensors while simultaneously increasing reliability

The Compact version has been specially developed for applications where the benefits of the SMARTSHIP POWERBUS are to be utilised in the most compact way: a simple system architecture with minimal cabling while still offering comprehensive connectivity options for sensors or other signals
Suitable for tugs, workboats, offshore support vessels, and yachts

WHY SMARTSHIP POWERBUS - COMPACT

- Significant installation cost and weight savings (70-90%) compared to star-wired systems due to less cabling
- Supports a hybrid system control solution for all actuators in one ring bus loop (electric and/or electro-hydraulic)
- 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

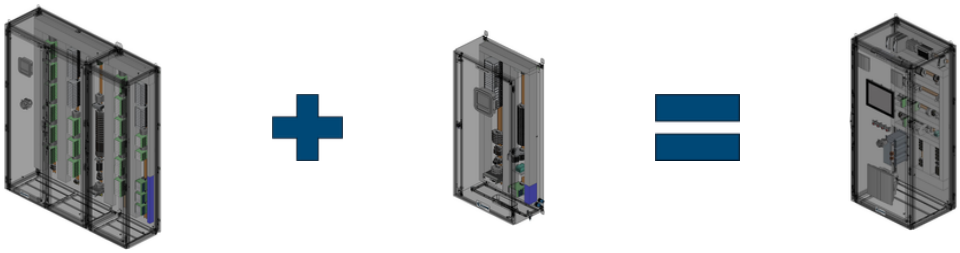


SYSTEM ARCHITECTURE

- 1 Compact control cabinet with service monitor
- 2 power feedings with switch over function
- 2 SMARTSHIP POWERBUS ring bus loops
- up to 64 actuators per ring bus loop
- up to 128 actuators in total
- up to 4 analogue (4...20mA) or binary (I/0) signals per actuator

STAR WIRED vs SMARTSHIP POWERBUS - COMPACT

Comparison of Space Savings in Control Cabinet Installation



Valve Remote Control | Tank Gauging | SMARTSHIP POWERBUS - COMPACT

KEY FEATURES

- AUTO short circuit detection and isolation
- AUTO phase monitoring
- AUTO leakage current detection
- AUTO open bus loop detection
- AUTO re-routing of power & data bus
- AUTO isolation of LPU in case of exceeding temperature >80°C
- Service monitor for configuration & status monitoring

OUR PRODUCT RANGE

Fluid & Floating

- Valve Remote Control
- Anti-Heeling
- Tank Gauging
- Flume Anti-Rolling
- Intering 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