

FLOATING CONDITION CONTROL

Automated ballast and floating condition management for complex vessel operations

Floating Condition Control combines loading calculations, ballast control and vessel monitoring into one integrated solution. By automatically managing heel, trim and draught, the system supports safe, efficient and optimized vessel operations during loading, heavy lifting and dock control applications.

Why Floating Condition Control

- Fully automated ballast control
- Integrated Valve Remote Control, Tank Content Measurement and Anti-Heeling systems
- SECURELOAD Loading Computer integration
- Automatic ballast water distribution calculations
- Compensation of transferred loads
- Maintains vessel stability and longitudinal strength
- Real-time load moment calculations
- Supports crane and heavy lifting operations

Manual Mode

- Full operator control via PC interface
- Direct management of valves, pumps and transfer units
- Alarms remain active during operation
- Full control via MIMIC iStudio
- No FCCS intervention

Semi-Automatic Mode

- Reduced manual effort through predefined functions
- Tank grouping for easier control
- Target volume indication on MIMIC iStudio
- Controlled ballast pump start/stop sequences
- Pump pressure control (suction, discharge and differential pressure)

Fully Automatic Mode

- Operator guided by predefined procedures
- Checklist confirmation before operation
- FCCS executes ballast operations automatically
- Operator supervises operation and alarms
- Automatic return to safe valve positions after completion
- Pumps switch to idle mode and shut down automatically

OUR PRODUCT RANGE

Fluid & Floating

- Valve Remote Control
- Anti-Heeling
- Tank Gauging
- Flume Anti-Rolling
- Interling Anti-Rolling
- Distance Measuring
- Draught Measurement
- Electronic Inclinator
- 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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