



LOAD MOMENT CONTROL

Automated load moment compensation for safe and efficient heavy lifting operations

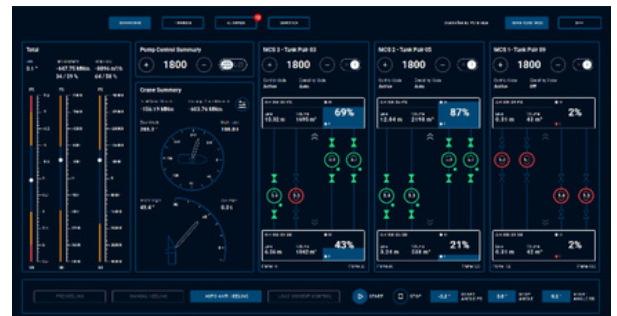
Load Moment Control automatically compensates crane-induced heeling moments during offshore and heavy lift operations. By continuously calculating the required counteracting ballast moment, the system maintains a predefined floating condition and supports safer, faster and more efficient crane operations.

Why Load Moment Control

- Compensation of load moments caused by crane load, slewing and booming
- "Ballast follows the crane" operating principle
- Automatic adjustment to changing load conditions
- Precise ballast distribution control
- Real-time load moment compensation
- Supports safer and more efficient lifting operations

System Design

- Automatic tuning of the system compensation rate to changing heeling moments
- Automatic shifting of ballast water between tanks
- Frequency-controlled reversible propeller pumps
- Individual flow control in four-quadrant operation
- Integration with Anti-Heeling systems
- Continuous load moment compensation during crane operations



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- Dynamic Draught and Floating Monitoring
- Floating Condition Control

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