



DYNAMIC DRAUGHT AND FLOATING MONITORING

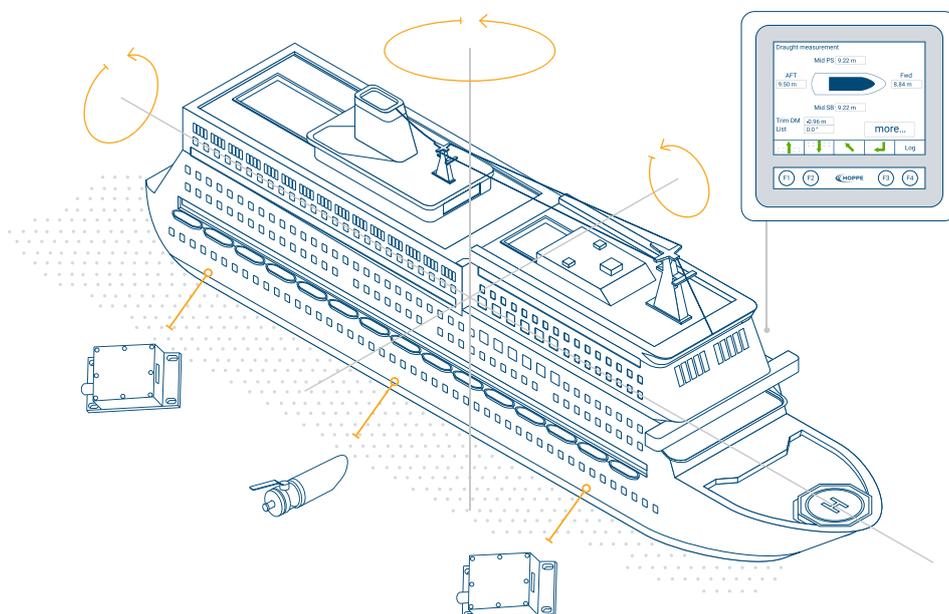
Precise draught measurement, even WHILE SAILING

"For all types of vessels where draughts and trim during sailing must be considered, our state-of-the-art Dynamic Draught and Floating Monitoring system provides reliable draught measurements without being distorted by hydrodynamic effects, even while sailing."

Hoppe's Dynamic Draught and Floating Monitoring system provides the foundation for a successful trim optimization. Based on the current floating condition, indispensable information is provided to operate tomorrow's shipping more efficiently.

The system not only enables optimization of smooth water operation, but also provides important safety-related information in severe weather conditions. Next to the dynamic trim and deformation behavior as well as accelerations along all three spatial axes, various motion related information can be used by subsequent systems or nautical staff.

Coupled with Hoppe's Ship-to-Shore data transmission and customizable rule-based Notification Service, the shore-based fleet management can be informed of conditions that were previously unknown. This provides deeper insight into actual ship operations on board and ashore than ever before.



ADVANTAGES

- Precise draught and trim even while sailing
- Enables trim optimization for fuel savings and reduction of emissions
- Determination of the Under Keel Clearance in relation to the deepest point of the vessel
- Site-specific tank corrections improve the tank content measurement
- Easy to retrofit for existing draught measurement system (no docking necessary)
- Optional Ship-to-Shore data transmission and analysis
- All components are type approved
- Low costs, fast amortization

FEATURES

- Provides dynamic draught and trim while sailing with an accuracy of up to 0.2 m in the dynamic trim determination
- Monitoring of general floating condition and hull deformation like bending and torsion
- Automatic detection of the operation mode (static/dynamic)
- Easy switching between draughts at perpendiculars and draughts at draught marks
- Self-validating system automatically detects sensor failures
- Provides fundamental information for performance optimizations and site-specific tank corrections

OUR PRODUCT RANGE

CONTROL SYSTEM

- Valve Remote Control
- Anti-Heeling
- FLUME Box Tank – Roll Damping
- INTERING U-Tank – Roll Damping
- Dock Control
- Floating Condition Control

MEASURING SOLUTIONS

- Tank Content Measurement
- Bunker Management
- Draught Measurement
- Dynamic Draught and Floating Monitoring
- Maihak Shaft Power Meter
- Maihak SHaPoLi
- Fuel Consumption Measurement
- Electronic Inclinator

INFORMATION SERVICES

- Performance Monitoring
- Crew Connect
- Fleet Connect

FLEET SERVICES

- Technical Support
- Spare Parts
- Service On Board
- Retrofit

