LANKHORST

SURELINE®
Real Time Rope Monitoring

Straight To The Core

MOORING LINES

- Mooring incidents are among the top seven types of insurance claims, reported by UK P&I club, with 95 percent of mooring injuries caused by ropes and wires and 60 percent of these injuries happening during mooring operations. Add to that the variables of weather, berth suitability for increasingly large vessels, it is not surprising that the demand for a high degree of planning and efficiency from ships crews is mandatory.

- Under conditions of high loads, mooring ropes have the potential to break, causing snap back, often with deadly force and significant damage to vessels and crew. Increasing the size and tonnage of ships, plus more frequent severe weather events are key factors that require a new and more resilient approach to safe mooring.

- A rope mooring failure has significant impact on the vessel, crew, passengers, and cargo as well as occurring in a confined port frontage alongside other moored vessels and infrastructure.

Sureline® is a novel remote rope tension sensor offering:

- Peace of mind and real-time monitoring of rope health & tensions
- A step change in safety for vessel operators and crew alike
- Allows users confidence to operate winches and tension ropes whilst monitoring the safe working loads of the ropes
- Real-time data for more effective decision making
- Data for rope failures

HOW SURELINE® CAN HELP

- Sureline® remote rope tension sensor offers peace of mind and real-time monitoring for mooring.
- The sensors have the ability to monitor variable loads within the ropes and transmit the data over an extended range to the Master Control Unit “MCU”.
- The use of the Sureline® remote rope monitoring system offers a step change in safety for vessel operators and crew alike, giving users the confidence to operate winches and tension ropes whilst monitoring the safe working loads of the ropes under strain.
- Having chosen the right lines, the next step is to know the exact position of each line on board. A detailed log with positions on board should be followed. The OCIMF MEG4 requirements for a detailed Line Management Plan and the Mooring Equipment register are recommended.

Sensor TECHNOLOGIES

Straight To The Core

Sureline® is:

- Quick and easy to install
- The system provides real-time data to a mobile dashboard and stores it in the cloud for 24/7 access.
- Measures rope tension, rope angle, slew angle, peak loads and more
- Delivers insights across a variety of rope types and diameters.
- Gives you real peace of mind for safer operations
- Provides unique rope data to help to comply with MEG4/SOLAS guidelines

Manufactured by

Sensor TECHNOLOGIES

LANKHORST

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