Mooring Line Monitoring
Reduce costs and simplify operations

Mooring Line Monitoring is a “set and forget” system that helps operators reduce the need for costly inspections. Neither maintenance nor personnel is required, as the autonomous sensor system immediately transfers data through a satellite alarm if a mooring line failure is detected.

Products in the Smart Monitoring Sensors (SMS) range are SMS Gyro™, SMS Vibration™, SMS Strain™, SMS Magic Hand™, SMS Satellite™, and SMS Microcontroller™ OEM. Technology applications include monitoring of wellhead integrity, risers, mooring lines, subsea spools and manifolds, as well as monitoring of pipelines and subsea structures.

KEY BENEFITS
• Monitors integrity of mooring lines at all times
• Provides immediate response on mooring line failure
• Requires no extra personnel during installation
• Leaves no equipment on the vessel
• Has retrofit capability, meaning no interface with existing control system is required
• Needs fewer inspections, as the system allows to extend inspection intervals based on knowledge of system state at all times
• Provides 25 years of service life and 5 years of battery life
4Subsea is a Norwegian technology company specialised in production riser systems and subsea well systems. We deliver solutions to maintain production from subsea oil and gas fields, enabling cost reduction and increased service life of existing installations. We also provide our specialist services within offshore wind turbines and wave power systems.

4Subsea combines expert knowledge and practical experience with software and instrumentation to optimise operation of production risers and subsea wells, aiming to be in the forefront of digitising the oil and gas industry.

The company was established in 2007, and clients include all the major oil and gas operators as well as the large suppliers of subsea equipment. 4Subsea has offices in Oslo, Bergen, Kristiansand, and Trondheim.

4Subsea - Share ideas, move forward