

# Oil Discharge Monitoring Equipment Market Set to Surge at 5% CAGR, to Reach US\$ 405.6 Million by 2035: Fact.MR Report

*Oil Discharge Monitoring Equipment Market grows with stricter maritime regulations, rising crude transport, and demand for real-time compliance solutions.*

ROCKVILLE, MD, UNITED STATES, August 25, 2025 /EINPresswire.com/ -- The [oil discharge monitoring equipment market](#) is poised for steady growth, projected to rise from USD 237.1 million in 2024 to USD 405.6

million by 2035. Between 2025 and 2035, the market is expected to expand at a CAGR of 5%, largely fueled by the tightening of international maritime regulations.

The surge in global transportation of crude oil and chemicals is further driving demand, as shipping companies increasingly adopt systems that provide accurate, real-time discharge monitoring and recordkeeping. At the same time, advancements in technology—such as automated calibration, integrated data logging, and remote diagnostics—are significantly improving system accuracy, operational efficiency, and compliance with audit standards. These innovations not only simplify monitoring but also help operators reduce risks, meet environmental obligations, and ensure regulatory transparency.

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## Drivers of the Oil Discharge Monitoring Equipment Market

The oil discharge monitoring equipment market is being propelled by the global push to curb ocean pollution through strict environmental regulations. International port authorities now conduct rigorous inspections, requiring vessels to maintain accurate and up-to-date discharge records. This regulatory pressure is prompting fleet operators to invest in advanced monitoring systems to ensure compliance. Countries such as the United States, China, and members of the



European Union have further reinforced this trend by imposing heavier fines and operational restrictions on non-compliant ships.

Another major growth driver is the increase in crude oil and chemical transportation worldwide. Expanding maritime trade, combined with the development of new shipping routes, has led to greater vessel traffic, which in turn raises the need for reliable monitoring technologies. As shipping companies face heightened accountability for environmental protection, oil discharge monitoring systems have become indispensable tools to enhance operational transparency, prevent accidental discharges, and meet international safety and sustainability standards.

### Regional Trends of the Oil Discharge Monitoring Equipment Market

North America shows steady growth, driven by strict U.S. Coast Guard regulations and tighter controls at Gulf Coast and Pacific Northwest ports. In Europe, the European Maritime Safety Agency's regulations and heightened inspections at major ports are fueling adoption.

Asia Pacific remains a key market, supported by rising seaborne trade and strict port regulations in China, Japan, and South Korea. The Middle East is seeing strong demand due to extensive oil tanker activity and stricter rules in the UAE and Saudi Arabia.

Latin America is gradually advancing, with countries like Brazil and Argentina increasing enforcement measures and awareness of marine environmental protection.

### Competitive Analysis

The oil discharge monitoring equipment market is increasingly competitive, with global marine technology firms, compliance service providers, and local integrators driving innovation. Leading players emphasize precision sensors, digital discharge recorders, and real-time reporting systems that meet international maritime standards. Vertically integrated companies with strong R&D and shipyard alliances hold an advantage, particularly in the OEM segment.

Regional companies are also gaining ground by delivering tailored solutions suited to local compliance needs, language interfaces, and fast calibration services at key ports—strengthening their role in the retrofit market.

With digitalization and stricter regulations shaping the industry, differentiation now hinges on modular system design, remote diagnostics, and tamper-proof audit trails. Companies investing in regulation-compliant, automated ODME solutions with advanced software controls are best positioned to support modern fleets' sustainability and compliance goals.

Key players in the oil discharge monitoring equipment market are Man Energy Solutions, Sea and Sun Technology GmbH, SPM Instrument AB, Fuente International Co, JOWA, Rivertrace, and others.

## Recent Developments

In April 2025, Miros expanded its product line with the launch of the Oil Spill Detection (OSD) Monitoring application in Miros Cloud.

In October 2023, Valmet launches a new application, Valmet Oil Monitoring, to remotely monitor oil lubrication in fiber processing equipment. Valmet's oil monitoring system provides constant remote visibility of lube oil conditions through its novel sensing and data acquisition technology.

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## Segmentation of Oil Discharge Monitoring Equipment Market

By Vessel Type :

Oil & Chemical Tankers

Bulk Carriers

General Cargo

Container Ships

Gas Carriers

Offshore Vessels

Passenger Ships and Other Vessel

By Operation :

Automatic

Manual

By Packaging :

OEM

MRO Services Providers

By Region :

North America

Latin America

Western Europe

Eastern Europe

East Asia

South Asia & Pacific

Middle East & Africa

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