

Global Floating Roof Monitoring System Market Size Study, by Type (RF Monitoring System & Others), by Application (Oil Industry, Chemical Industry, Food and Beverage & Others) and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G67CCE861CF7EN.html>

Date: June 2026

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G67CCE861CF7EN

Abstracts

The Global Floating Roof Monitoring System Market is valued at approximately USD 0.53 billion in 2024 and is projected to expand at a robust CAGR of 6.0% over the forecast period 2025-2035, reaching nearly USD 1.01 billion by 2035. Floating roof monitoring systems are purpose-built technologies deployed in storage tanks to continuously track roof position, seal integrity, tilt, and operational anomalies, thereby helping operators ward off emissions, minimize product loss, and comply with increasingly stringent safety and environmental standards. Anchored by the mandatory mention of historical data for 2023 and 2024, with 2024 serving as the base year for estimation, the market narrative unfolds against a backdrop of intensifying regulatory scrutiny and the global push toward safer, smarter industrial infrastructure.

As energy and process industries scale up storage capacities to keep pace with volatile demand cycles, operators are leaning into advanced monitoring solutions that can head off risks before they escalate into costly incidents. In particular, RF-based monitoring technologies are being rolled out to replace manual inspections, as companies seek to phase out downtime-prone practices and lock in real-time visibility across large tank farms. This shift is further reinforced by the need to meet emissions reduction targets, where even marginal vapor losses can translate into regulatory penalties and reputational damage. At the same time, digitalization initiatives across oil, chemicals, and food processing facilities are nudging floating roof monitoring systems into broader asset integrity and predictive maintenance frameworks.

The detailed segments and sub-segments included in the report are:

By Type:

RF Monitoring System

Others

By Application:

Oil Industry

Chemical Industry

Food and Beverage

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Italy

Spain

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Australia

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Among applications, the oil industry is expected to dominate the global floating roof monitoring system market throughout the forecast horizon. This dominance is

underpinned by the sheer scale of crude oil and refined product storage infrastructure worldwide, where floating roof tanks are mission-critical assets. Oil operators, grappling with emission caps and safety mandates, are increasingly fitting tanks with continuous monitoring systems to safeguard operations and maintain compliance. While chemical and food and beverage industries are steadily adopting these solutions, the oil industry continues to set the pace due to higher risk profiles and larger capital outlays.

From a revenue standpoint, RF monitoring systems currently lead the market by a considerable margin. Their ability to transmit accurate, real-time data over long distances, while integrating seamlessly with centralized control systems, has made them the preferred choice for large industrial operators. Although other monitoring technologies maintain a foothold in cost-sensitive or smaller installations, RF-based systems are pulling ahead, driven by rapid technological refinement and falling deployment costs. As operators double down on automation and remote operations, RF monitoring is expected to remain the principal revenue engine of the market.

Geographically, North America commands a leading share of the global floating roof monitoring system market, buoyed by its mature oil and gas sector, early adoption of advanced monitoring technologies, and strict enforcement of environmental regulations. Europe follows closely, where sustainability targets and safety directives are accelerating system upgrades across industrial storage facilities. Asia Pacific is poised to be the fastest-growing regional market over the forecast period, as expanding industrial bases in China and India, coupled with rising investments in energy and chemicals, amplify demand for reliable tank monitoring solutions. Latin America and the Middle East & Africa also present attractive growth pockets, supported by ongoing capacity expansions and modernization efforts.

Major market players included in this report are:

Emerson Electric Co.

Honeywell International Inc.

Schneider Electric SE

ABB Ltd.

Siemens AG

Yokogawa Electric Corporation

Endress+Hauser Group

Rockwell Automation, Inc.

Vega Grieshaber KG

AMETEK, Inc.

Krohne Group

Pepperl+Fuchs SE

Magnetrol International, Inc.

Azbil Corporation

Enraf B.V.

Global Floating Roof Monitoring System Market Report Scope:

Historical Data ? 2023, 2024

Base Year for Estimation ? 2024

Forecast period ? 2025?2035

Report Coverage ? Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope ? North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope ? Free report customization (equivalent to up to 8 analysts? working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments and countries in recent years and to forecast their values for the coming years. The report weaves together qualitative insights and quantitative analysis to illuminate the structural forces shaping the market's evolution. It also drills down into growth drivers, constraints, and emerging opportunities at a micro-market level, while mapping the competitive landscape and strategic positioning of key players. By doing so, the study equips stakeholders with a grounded, forward-looking perspective to inform investment and business decisions.

Key Takeaways:

Market estimates and forecasts for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level insights.

Competitive landscape highlighting major players and their strategies.

Evaluation of demand-side and supply-side dynamics shaping the market.

Contents

CHAPTER 1. GLOBAL FLOATING ROOF MONITORING SYSTEM MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. key Findings

CHAPTER 3. GLOBAL FLOATING ROOF MONITORING SYSTEM MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping The Global Floating Roof Monitoring System Market (2024-2035)
- 3.2. Drivers
 - 3.2.1. Surging advanced monitoring solutions
 - 3.2.2. need to meet emissions reduction targets
- 3.3. Restraints
 - 3.3.1. High Installation Costs
- 3.4. Opportunities
 - 3.4.1. digitalization initiatives across oil, chemicals, and food processing facilities

CHAPTER 4. GLOBAL FLOATING ROOF MONITORING SYSTEM INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL FLOATING ROOF MONITORING SYSTEM MARKET SIZE & FORECASTS BY TYPE 2025-2035

- 5.1. Market Overview
- 5.2. Global Floating Roof Monitoring System Market Performance - Potential Analysis (2025)
- 5.3. RF Monitoring System
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. Others
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.4.2. Market size analysis, by region, 2025-2035

CHAPTER 6. GLOBAL FLOATING ROOF MONITORING SYSTEM MARKET SIZE & FORECASTS BY APPLICATION 2025-2035

- 6.1. Market Overview
- 6.2. Global Floating Roof Monitoring System Market Performance - Potential Analysis (2025)
- 6.3. Oil Industry
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.3.2. Market size analysis, by region, 2025-2035
- 6.4. Chemical Industry
 - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.4.2. Market size analysis, by region, 2025-2035
- 6.5. Food and Beverage
 - 6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.5.2. Market size analysis, by region, 2025-2035
- 6.6. Others
 - 6.6.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.6.2. Market size analysis, by region, 2025-2035

CHAPTER 7. GLOBAL FLOATING ROOF MONITORING SYSTEM MARKET SIZE & FORECASTS BY REGION 2025-2035

- 7.1. Growth Floating Roof Monitoring System Market, Regional Market Snapshot
- 7.2. Top Leading & Emerging Countries
- 7.3. North America Floating Roof Monitoring System Market
 - 7.3.1. U.S. Floating Roof Monitoring System Market
 - 7.3.1.1. Type breakdown size & forecasts, 2025-2035
 - 7.3.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.3.2. Canada Floating Roof Monitoring System Market
 - 7.3.2.1. Type breakdown size & forecasts, 2025-2035
 - 7.3.2.2. Application breakdown size & forecasts, 2025-2035
- 7.4. Europe Floating Roof Monitoring System Market
 - 7.4.1. UK Floating Roof Monitoring System Market
 - 7.4.1.1. Type breakdown size & forecasts, 2025-2035
 - 7.4.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.4.2. Germany Floating Roof Monitoring System Market
 - 7.4.2.1. Type breakdown size & forecasts, 2025-2035
 - 7.4.2.2. Application breakdown size & forecasts, 2025-2035
 - 7.4.3. France Floating Roof Monitoring System Market
 - 7.4.3.1. Type breakdown size & forecasts, 2025-2035
 - 7.4.3.2. Application breakdown size & forecasts, 2025-2035
 - 7.4.4. Spain Floating Roof Monitoring System Market

- 7.4.4.1. Type breakdown size & forecasts, 2025-2035
- 7.4.4.2. Application breakdown size & forecasts, 2025-2035
- 7.4.5. Italy Floating Roof Monitoring System Market
 - 7.4.5.1. Type breakdown size & forecasts, 2025-2035
 - 7.4.5.2. Application breakdown size & forecasts, 2025-2035
- 7.4.6. Rest of Europe Floating Roof Monitoring System Market
 - 7.4.6.1. Type breakdown size & forecasts, 2025-2035
 - 7.4.6.2. Application breakdown size & forecasts, 2025-2035
- 7.5. Asia Pacific Floating Roof Monitoring System Market
 - 7.5.1. China Floating Roof Monitoring System Market
 - 7.5.1.1. Type breakdown size & forecasts, 2025-2035
 - 7.5.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.2. India Floating Roof Monitoring System Market
 - 7.5.2.1. Type breakdown size & forecasts, 2025-2035
 - 7.5.2.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.3. Japan Floating Roof Monitoring System Market
 - 7.5.3.1. Type breakdown size & forecasts, 2025-2035
 - 7.5.3.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.4. Australia Floating Roof Monitoring System Market
 - 7.5.4.1. Type breakdown size & forecasts, 2025-2035
 - 7.5.4.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.5. South Korea Floating Roof Monitoring System Market
 - 7.5.5.1. Type breakdown size & forecasts, 2025-2035
 - 7.5.5.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.6. Rest of APAC Floating Roof Monitoring System Market
 - 7.5.6.1. Type breakdown size & forecasts, 2025-2035
 - 7.5.6.2. Application breakdown size & forecasts, 2025-2035
- 7.6. Latin America Floating Roof Monitoring System Market
 - 7.6.1. Brazil Floating Roof Monitoring System Market
 - 7.6.1.1. Type breakdown size & forecasts, 2025-2035
 - 7.6.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.6.2. Mexico Floating Roof Monitoring System Market
 - 7.6.2.1. Type breakdown size & forecasts, 2025-2035
 - 7.6.2.2. Application breakdown size & forecasts, 2025-2035
- 7.7. Middle East and Africa Floating Roof Monitoring System Market
 - 7.7.1. UAE Floating Roof Monitoring System Market
 - 7.7.1.1. Type breakdown size & forecasts, 2025-2035
 - 7.7.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.7.2. Saudi Arabia (KSA) Floating Roof Monitoring System Market

- 7.7.2.1. Type breakdown size & forecasts, 2025-2035
- 7.7.2.2. Application breakdown size & forecasts, 2025-2035
- 7.7.3. South Africa Floating Roof Monitoring System Market
 - 7.7.3.1. Type breakdown size & forecasts, 2025-2035
 - 7.7.3.2. Application breakdown size & forecasts, 2025-2035

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Emerson Electric Co.
 - 8.2.1. Company Overview
 - 8.2.2. Key Executives
 - 8.2.3. Company Snapshot
 - 8.2.4. Financial Performance (Subject to Data Availability)
 - 8.2.5. Product/Services Port
 - 8.2.6. Recent Development
 - 8.2.7. Market Strategies
 - 8.2.8. SWOT Analysis
- 8.3. Honeywell International Inc.
- 8.4. Schneider Electric SE
- 8.5. ABB Ltd.
- 8.6. Siemens AG
- 8.7. Yokogawa Electric Corporation
- 8.8. Endress+Hauser Group
- 8.9. Rockwell Automation, Inc.
- 8.10. Vega Grieshaber KG
- 8.11. AMETEK, Inc.
- 8.12. Krohne Group
- 8.13. Pepperl+Fuchs SE
- 8.14. Magnetrol International, Inc.
- 8.15. Azbil Corporation
- 8.16. Enraf B.V.

List Of Tables

LIST OF TABLES

- Table 1. Global Floating Roof Monitoring System Market, Report Scope
- Table 2. Global Floating Roof Monitoring System Market Estimates & Forecasts By Region 2024-2035
- Table 3. Global Floating Roof Monitoring System Market Estimates & Forecasts By Segment 2024-2035
- Table 4. Global Floating Roof Monitoring System Market Estimates & Forecasts By Segment 2024-2035
- Table 5. Global Floating Roof Monitoring System Market Estimates & Forecasts By Segment 2024-2035
- Table 6. Global Floating Roof Monitoring System Market Estimates & Forecasts By Segment 2024-2035
- Table 7. Global Floating Roof Monitoring System Market Estimates & Forecasts By Segment 2024-2035
- Table 8. U.S. Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 9. Canada Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 10. UK Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 11. Germany Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 12. France Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 13. Spain Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 14. Italy Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 15. Rest Of Europe Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 16. China Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 17. India Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035
- Table 18. Japan Floating Roof Monitoring System Market Estimates & Forecasts, 2024-2035

Table 19. Australia Floating Roof Monitoring System Market Estimates & Forecasts, 2024?2035

Table 20. South Korea Floating Roof Monitoring System Market Estimates & Forecasts, 2024?2035

...

List Of Figures

LIST OF FIGURES

- Fig 1. Global Floating Roof Monitoring System Market, Research Methodology
- Fig 2. Global Floating Roof Monitoring System Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Floating Roof Monitoring System Market, Key Trends 2025
- Fig 5. Global Floating Roof Monitoring System Market, Growth Prospects 2024-2035
- Fig 6. Global Floating Roof Monitoring System Market, Porter's Five Forces Model
- Fig 7. Global Floating Roof Monitoring System Market, Pestel Analysis
- Fig 8. Global Floating Roof Monitoring System Market, Value Chain Analysis
- Fig 9. Floating Roof Monitoring System Market By Application, 2025 & 2035
- Fig 10. Floating Roof Monitoring System Market By Segment, 2025 & 2035
- Fig 11. Floating Roof Monitoring System Market By Segment, 2025 & 2035
- Fig 12. Floating Roof Monitoring System Market By Segment, 2025 & 2035
- Fig 13. Floating Roof Monitoring System Market By Segment, 2025 & 2035
- Fig 14. North America Floating Roof Monitoring System Market, 2025 & 2035
- Fig 15. Europe Floating Roof Monitoring System Market, 2025 & 2035
- Fig 16. Asia Pacific Floating Roof Monitoring System Market, 2025 & 2035
- Fig 17. Latin America Floating Roof Monitoring System Market, 2025 & 2035
- Fig 18. Middle East & Africa Floating Roof Monitoring System Market, 2025 & 2035
- Fig 19. Global Floating Roof Monitoring System Market, Company Market Share Analysis (2025)

...

I would like to order

Product name: Global Floating Roof Monitoring System Market Size Study, by Type (RF Monitoring System & Others), by Application (Oil Industry, Chemical Industry, Food and Beverage & Others) and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/G67CCE861CF7EN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G67CCE861CF7EN.html>