

# Emission Monitoring System Market Set to Reach \$5.76 Billion by 2029

*The Business Research Company's  
Emission Monitoring System Global  
Market Report 2025 – Market Size,  
Trends, And Global Forecast 2025-2034*

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Emission Monitoring System Global Market Report  
2025

What Is The Expected Cagr For The [Emission Monitoring System Market](#) Through 2025?

The market size for the emission monitoring system has experienced robust growth in the past few years. It is expected to expand from \$3.73 billion in 2024 to \$4.04 billion in 2025, marking a compound annual growth rate (CAGR) of 8.2%. Factors contributing to this significant growth in the historic period include regulatory compliance, heightened public consciousness, industrial development, and cost-cutting measures.

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Expectations are high for significant expansion in the emission monitoring system market over the coming years. Projections estimate it to reach \$5.77 billion by 2029, with a compound annual growth rate (CAGR) of 9.3%. This

anticipated growth during the forecast period is driven by worldwide initiatives focused on climate change, the broadening scope of renewable energy, and governmental incentives. During this same period, advancements in areas such as sensor technology, data analytics, and AI integration, alongside remote and cloud-based monitoring solutions, will be a trend. Additionally, a shift towards green solutions, international cooperation for standardization and a move towards decentralized energy systems are expected to influence the market's growth pattern.

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### What Are The Key Factors Driving Growth In The Emission Monitoring System Market?

The anticipated growth in the emission monitoring systems market is expected to be driven by increasing demands from the oil and gas sector, coupled with the power generation industry. The consumption of natural gas is projected to rise in India as it offers a cleaner alternative to fossil fuels and can be easily stored. For instance, the Energy Information Administration, a US government agency, projected in June 2024 that crude oil production in the U.S. would experience a 2% surge from its 2023 volume, averaging 13.2 million barrels per day in 2024. This is anticipated to be followed by an additional 4% increase in 2025, raising production to 13.7 million barrels a day. Consequently, the expected surge in oil and natural gas consumption is predicted to bolster demand for emission monitoring systems in the future.

### What Are The Top Players Operating In The Emission Monitoring System Market?

Major players in the Emission Monitoring System Global Market Report 2025 include:

- Thermo Fisher Scientific Inc.
- Teledyne Technologies Inc.
- Sick AG
- Parker-Hannifin Corporation
- Siemens AG
- General Electric Company
- Emerson Electric Co
- AMETEK Inc.
- ABB Ltd.
- CMC Solutions LLC

### What Are The Major Trends That Will Shape The Emission Monitoring System Market In The Future?

Innovations in technology are generating a significant impact on the emissions monitoring system market. Numerous firms are leveraging these emerging technologies to deliver superior and improved products for their clientele. For instance, Honeywell International Inc., an American tech company, in August 2024, introduced the Advanced Emissions Monitoring System designed for Offshore Oil and Gas Platforms. This revolutionary system belongs to Honeywell's extensive Emissions Management Suite, which is designed to offer an all-inclusive solution for quantifying, observing, recording and curtailing emissions in the energy sector. The system is designed to provide comprehensive solutions that ensure accurate detection and immediate reporting of fugitive emissions. This function is vitally important for offshore activities where emissions can considerably affect regulatory adherence and environmental preservation.

### Comprehensive Segment-Wise Insights Into The Emission Monitoring System Market

The emission monitoring system market covered in this report is segmented –

- 1) By System Type: Continuous Emission Monitoring System (CEMS), Predictive Emission Monitoring System (PEMS)
- 2) By Component Outlook: Hardware, Software, Service

3) By Industry: Marine And Shipping, Mining, Metals, Pharmaceuticals, Pulp And Paper, Building Materials, Chemicals, Petrochemicals, Refineries And Fertilizers, Oil And Gas, Power Generation

Subsegments:

- 1) By Continuous Emission Monitoring System (CEMS): Gas Monitoring Systems, Particulate Monitoring Systems, Data Acquisition And Management Systems, Calibration And Validation Systems
- 2) By Predictive Emission Monitoring System (PEMS): Software Solutions For Emission Forecasting, Data Integration Tools, Algorithm Development Services, Reporting And Compliance Solutions

View the full emission monitoring system market report:

<https://www.thebusinessresearchcompany.com/report/emission-monitoring-system-global-market-report>

[Global Emission Monitoring System Market](#) - Regional Insights

In the Emission Monitoring System Global Market Report 2025, North America was identified as the foremost region in 2024. Meanwhile, Asia-Pacific is prognosticated to show the most rapid growth during the forecast period. This comprehensive report includes other regions such as Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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