

# **Environmental Monitoring Market Size, Share & Trends Analysis Report By Product, By Sampling Method (Active, Continuous, Intermittent), By Component, By Application, By End-use, By Region, And Segment Forecasts, 2025 - 2030**

<https://marketpublishers.com/r/EC9C78897D69EN.html>

Date: October 2024

Pages: 100

Price: US\$ 4,950.00 (Single User License)

ID: EC9C78897D69EN

## **Abstracts**

This report can be delivered to the clients within 3 Business Days

### **Environmental Monitoring Market Growth & Trends**

The global environmental monitoring market size is expected to reach USD 20.1 billion by 2030, registering growth at a CAGR of 5.7% from 2025 to 2030 according to a new report by Grand View Research, Inc. Growing rate of pollution levels, supportive regulatory and political scenario, and increasing awareness regarding pollution monitoring is anticipated to drive the market through 2025. Furthermore, adoption and implementation of environment-friendly practices in industrial operations is expected to play a pivotal role in the deployment of environmental monitoring systems worldwide.

Rise in funding for environmental monitoring and pollution control initiatives by multilateral bodies and government institutions is also a key market driver. The Green Climate Fund (GCF) is one such financial initiative under the United Nations Framework Convention on Climate Change (UNFCCC) to assist developing countries in adoption, adaptation, and mitigation initiatives to counter climate change. GCF has pledged to set up a goal of raising \$100 billion a year by 2020. Multilateral and institutional funding on similar lines is likely to promote the market for environmental monitoring systems.

In terms of connectivity and communication technology, there has been significant development in cellular and non-cellular communications such as Bluetooth, ZigBee,

and NB-IoTs, which has enabled users to deploy their systems indoor as well as at remote locations. Moreover, emerging technologies such as Artificial Intelligence (AI), Machine Learning (ML), and big data analytics is expected to prove beneficial in the deployment of environmental sensors to achieve consistency, accuracy, and efficiency.

Use of AI in Early Warning Systems (EWS) to identify the onset of critical situations has been implemented and proved efficient in the UrbanFlood Project. The project was funded under EU's 7th Framework Programme in 2009 to investigate the use of sensors within flood embankments to support EWS. The future prospects of environmental monitoring seem to be promising with technological advancements leading to the creation of intelligent or smart environmental monitoring systems.

North America dominated the market in 2018 owing to stringent and well-established pollution control laws and regulations by the U.S. Environmental Protection Agency (EPA) and Canada's Canadian Environmental Assessment Agency (CEAA). Asia Pacific, on the other hand, is expected to emerge as the fastest-growing regional market owing to increasing focus of countries such as India and China to curb pollution proactively. 'China's National Clean Air Action Plan' and India's similar initiative 'National Clean Air Mission' are notable initiatives, which is likely to boost the market.

## Environmental Monitoring Market Report Highlights

The monitors segment dominated the global industry for environmental monitoring, with a revenue share of 31.4% in 2024. The emergence of next-generation products such as water-resistant, dustproof, data-logging sensors equipped with wireless technology has influenced the growth of this segment.

Based on sampling method, the continuous monitoring segment held the largest revenue share of the global industry owing to features associated with it, such as real-time data analysis and insights sharing, assurance of effective compliance adherence, use of advanced technology for enhanced outcomes, and focus of multiple organizations on enhancing facility comfort by adopting continuous monitoring technologies.

Particulate matter entails liquid droplets and microscopic solids, which might cause problems if inhaled. This poses greater safety concerns and a need for environmental monitoring in numerous industries, such as energy and power, construction, manufacturing, forestry, food processing, paints and coatings, fashion and textile, chemicals, transport, etc.

Based on application, the air pollution segment dominated the global environmental monitoring industry in 2024. In recent years, air pollution has become one of the key challenges worldwide due to the increasing number of motor vehicles, household combustion devices, industrial wastes, and growing incidents of forest fires worldwide.

Based on end-use, corporate segment held the largest revenue share of the global environmental monitoring market in 2024. Stringent regulatory compliance requirements, indoor air quality management, employee well-being, and operational efficiencies are some of the key growth drivers for this segment.

## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Market Segmentation and Scope
- 1.2. Research Methodology
  - 1.2.1. Information Procurement
- 1.3. Information or Data Analysis
- 1.4. Methodology
- 1.5. Research Scope and Assumptions
- 1.6. Market Formulation & Validation
- 1.7. Country Based Segment Share Calculation
- 1.8. List of Data Sources

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

### **CHAPTER 3. ENVIRONMENTAL MONITORING MARKET VARIABLES, TRENDS, & SCOPE**

- 3.1. Market Lineage Outlook
- 3.2. Market Dynamics
  - 3.2.1. Market Drivers Analysis
  - 3.2.2. Market Restraints Analysis
  - 3.2.3. Industry Challenge
- 3.3. Environmental Monitoring Market Analysis Tools
  - 3.3.1. Industry Analysis - Porter's
    - 3.3.1.1. Bargaining power of the suppliers
    - 3.3.1.2. Bargaining power of the buyers
    - 3.3.1.3. Threats of substitution
    - 3.3.1.4. Threats from new entrants
    - 3.3.1.5. Competitive rivalry
  - 3.3.2. PESTEL Analysis

### **CHAPTER 4. ENVIRONMENTAL MONITORING MARKET: COMPONENT ESTIMATES & TREND ANALYSIS**

#### 4.1. Segment Dashboard

#### 4.2. Environmental Monitoring Market: Component Movement Analysis, USD Million, 2024 & 2030

#### 4.3. Product

##### 4.3.1. Product Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 4.3.2. Monitors

##### 4.3.2.1. Monitors Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 4.3.2.2. Indoor

##### 4.3.2.2.1. Indoor Monitors Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 4.3.2.3. Outdoor

##### 4.3.2.3.1. Indoor Monitors Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 4.3.2.4. Portable

##### 4.3.2.4.1. Indoor Monitors Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 4.4. Software

##### 4.4.1. Software Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 4.5. Services

##### 4.5.1. Services Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

### **CHAPTER 5. ENVIRONMENTAL MONITORING MARKET: SAMPLING METHOD ESTIMATES & TREND ANALYSIS**

#### 5.1. Segment Dashboard

#### 5.2. Environmental Monitoring Market: Sampling Method Movement Analysis, USD Million, 2024 & 2030

#### 5.3. Active Monitoring

##### 5.3.1. Active Monitoring Environmental Monitoring Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 5.4. Continuous Monitoring

##### 5.4.1. Continuous Monitoring Environmental Monitoring Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 5.5. Continuous Monitoring

##### 5.5.1. Continuous Monitoring Environmental Monitoring Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 5.6. Intermittent Monitoring

5.6.1. Intermittent Monitoring Environmental Monitoring Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

5.7. Passive Monitoring

5.7.1. Passive Monitoring Environmental Monitoring Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## **CHAPTER 6. ENVIRONMENTAL MONITORING MARKET: COMPONENT ESTIMATES & TREND ANALYSIS**

6.1. Segment Dashboard

6.2. Environmental Monitoring Market: Component Movement Analysis, USD Million, 2024 & 2030

6.3. Temperature

6.3.1. Temperature Environmental Monitoring Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.4. Moisture

6.4.1. Moisture Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.5. Biological

6.5.1. Biological Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.6. Chemical

6.6.1. Chemical Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.7. Particulate Matter

6.7.1. Particulate Matter Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.8. Noise

6.8.1. Biological Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## **CHAPTER 7. ENVIRONMENTAL MONITORING MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

7.1. Segment Dashboard

7.2. Environmental Monitoring Market: Application Movement Analysis, USD Million, 2024 & 2030

7.3. Air Pollution

7.3.1. Air Pollution Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

7.4. Water Pollution

7.4.1. Air Pollution Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 7.5. Soil Pollution

7.5.1. Air Pollution Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 7.6. Noise Pollution

7.6.1. Air Pollution Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

# **CHAPTER 8. ENVIRONMENTAL MONITORING MARKET: END USE ESTIMATES & TREND ANALYSIS**

## 8.1. Segment Dashboard

8.2. Environmental Monitoring Market: End Use Movement Analysis, USD Million, 2024 & 2030

## 8.3. Government

8.3.1. Government Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 8.4. Corporate

8.4.1. Corporate Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 8.5. Energy & Utilities

8.5.1. Energy & Utilities Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 8.6. Healthcare

8.6.1. Healthcare Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 8.7. Agriculture

8.7.1. Agriculture Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 8.8. Others

8.8.1. Other End Uses Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

# **CHAPTER 9. ENVIRONMENTAL MONITORING MARKET: REGION ESTIMATES & TREND ANALYSIS**

9.1. Environmental Monitoring Market Share, By Region, 2024 & 2030, USD Million

## 9.2. North America

9.2.1. North America Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.2.2. U.S.

9.2.2.1. U.S. Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030  
(USD MILLION)

9.2.3. Canada

9.2.3.1. Canada Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.2.4. Mexico

9.2.4.1. Mexico Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.3. Europe

9.3.1. Europe Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.3.2. UK

9.3.2.1. UK Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.3.3. Germany

9.3.3.1. Germany Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.3.4. France

9.3.4.1. France Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.4. Asia Pacific

9.4.1. Asia Pacific Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.4.2. China

9.4.2.1. China Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.4.3. India

9.4.3.1. India Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.4.4. Japan

9.4.4.1. Japan Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.4.5. Australia

9.4.5.1. Australia Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.4.6. South Korea

9.4.6.1. South Korea Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

9.5. Latin America



- 9.5.1. Latin America Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)
- 9.5.2. Brazil
  - 9.5.2.1. Brazil Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)
- 9.6. MEA
  - 9.6.1. MEA Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)
  - 9.6.2. Saudi Arabia
    - 9.6.2.1. Saudi Arabia Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)
  - 9.6.3. UAE
    - 9.6.3.1. UAE Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)
  - 9.6.4. South Africa
    - 9.6.4.1. South Africa Environmental Monitoring Market Estimates and Forecasts, 2018 - 2030 (USD MILLION)

## **CHAPTER 10. COMPETITIVE LANDSCAPE**

- 10.1. Company Categorization
- 10.2. Company Market Positioning
- 10.3. Company Heat Map Analysis
- 10.4. Company Profiles/Listing
  - 10.4.1. 3M
    - 10.4.1.1. Participant's Overview
    - 10.4.1.2. Financial Performance
    - 10.4.1.3. Product Benchmarking
    - 10.4.1.4. Strategic Initiatives
  - 10.4.2. Agilent Technologies Inc.
    - 10.4.2.1. Participant's Overview
    - 10.4.2.2. Financial Performance
    - 10.4.2.3. Product Benchmarking
    - 10.4.2.4. Strategic Initiatives
  - 10.4.3. Danaher Corporation
    - 10.4.3.1. Participant's Overview
    - 10.4.3.2. Financial Performance
    - 10.4.3.3. Product Benchmarking
    - 10.4.3.4. Strategic Initiatives

- 10.4.4. Emerson Electric Co.
  - 10.4.4.1. Participant's Overview
  - 10.4.4.2. Financial Performance
  - 10.4.4.3. Product Benchmarking
  - 10.4.4.4. Strategic Initiatives
- 10.4.5. General Electric Company
  - 10.4.5.1. Participant's Overview
  - 10.4.5.2. Financial Performance
  - 10.4.5.3. Product Benchmarking
  - 10.4.5.4. Strategic Initiatives
- 10.4.6. Honeywell International Inc.
  - 10.4.6.1. Participant's Overview
  - 10.4.6.2. Financial Performance
  - 10.4.6.3. Product Benchmarking
  - 10.4.6.4. Strategic Initiatives
- 10.4.7. HORIBA Group
  - 10.4.7.1. Participant's Overview
  - 10.4.7.2. Financial Performance
  - 10.4.7.3. Product Benchmarking
  - 10.4.7.4. Strategic Initiatives
- 10.4.8. Siemens
  - 10.4.8.1. Participant's Overview
  - 10.4.8.2. Financial Performance
  - 10.4.8.3. Product Benchmarking
  - 10.4.8.4. Strategic Initiatives
- 10.4.9. Teledyne Technologies Incorporated
  - 10.4.9.1. Participant's Overview
  - 10.4.9.2. Financial Performance
  - 10.4.9.3. Product Benchmarking
  - 10.4.9.4. Strategic Initiatives
- 10.4.10. Thermo Fisher Scientific Inc.
  - 10.4.10.1. Participant's Overview
  - 10.4.10.2. Financial Performance
  - 10.4.10.3. Product Benchmarking
  - 10.4.10.4. Strategic Initiatives

## I would like to order

Product name: Environmental Monitoring Market Size, Share & Trends Analysis Report By Product, By Sampling Method (Active, Continuous, Intermittent), By Component, By Application, By End-use, By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/EC9C78897D69EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/EC9C78897D69EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970