

# Global Environmental Gas Sensor Market Research Report 2024(Status and Outlook)

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## Abstracts

### Report Overview

The industrial segment devoted to creating, manufacturing, and distributing sensors intended to identify and gauge the concentration of different gases in the environment is known as the environmental gas sensor market. These sensors provide information on pollutants like carbon dioxide, carbon monoxide, nitrogen oxides, methane, sulfur dioxide, and volatile organic compounds. They are also used to measure emissions, monitor air quality, and detect gas leaks. Gas sensors play a vital role in industrial environments by identifying leaks and averting mishaps, explosions, and fires. This guarantees infrastructural and worker safety by delivering real-time data on air quality, integrating gas sensors into the Internet of Things (IoT) infrastructure, and implementing smart city projects to improve urban living. To raise everyone's standard of living, this data can be utilized to make well-informed judgments on industrial operations, traffic control, and urban development.

The global Environmental Gas Sensor market size was estimated at USD 8819 million in 2023 and is projected to reach USD 13977.13 million by 2030, exhibiting a CAGR of 6.80% during the forecast period.

North America Environmental Gas Sensor market size was USD 2297.98 million in 2023, at a CAGR of 5.83% during the forecast period of 2024 through 2030.

This report provides a deep insight into the global Environmental Gas Sensor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Environmental Gas Sensor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Environmental Gas Sensor market in any manner.

### Global Environmental Gas Sensor Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

Alpha Sense

Amphenol Corporation

FIGARO Engineering Inc.

ABB Ltd

City Technology

Honeywell International

Inc.

Membrapor

Nemoto & Co. Ltd

Robert Bosch

EC Sense

Critical Environment Technologies

Johnson Controls

Adsentec

AerNos

Aeroqual

Metis Engineering

Siemens

Smart Nanotubes Technologies

Market Segmentation (by Type)

Pellistor Gas Sensor

Infrared (IR) Gas Sensor

Metal Oxide Semiconductor (MOS) Gas Sensor

Electrochemical (EC) Gas Sensor

Optical Particle Monitor (OPM) Gas Sensor

Photoionization Detectors (PID)

Others

## Market Segmentation (by Application)

Automotive

Air Purifier

Smart Devices (Mobile)

Smart Home

Smart City

Others

## Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

## Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Environmental Gas Sensor Market

Overview of the regional outlook of the Environmental Gas Sensor Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights,

product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

### Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

### Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Environmental Gas Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Environmental Gas Sensor
- 1.2 Key Market Segments
  - 1.2.1 Environmental Gas Sensor Segment by Type
  - 1.2.2 Environmental Gas Sensor Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 ENVIRONMENTAL GAS SENSOR MARKET OVERVIEW**

- 2.1 Global Market Overview
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 ENVIRONMENTAL GAS SENSOR MARKET COMPETITIVE LANDSCAPE**

- 3.1 Global Environmental Gas Sensor Revenue Market Share by Company (2019-2024)
- 3.2 Environmental Gas Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.3 Company Environmental Gas Sensor Market Size Sites, Area Served, Product Type
- 3.4 Environmental Gas Sensor Market Competitive Situation and Trends
  - 3.4.1 Environmental Gas Sensor Market Concentration Rate
  - 3.4.2 Global 5 and 10 Largest Environmental Gas Sensor Players Market Share by Revenue
  - 3.4.3 Mergers & Acquisitions, Expansion

### **4 ENVIRONMENTAL GAS SENSOR VALUE CHAIN ANALYSIS**

- 4.1 Environmental Gas Sensor Value Chain Analysis
- 4.2 Midstream Market Analysis
- 4.3 Downstream Customer Analysis



## **5 THE DEVELOPMENT AND DYNAMICS OF ENVIRONMENTAL GAS SENSOR MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
  - 5.5.1 Mergers & Acquisitions
  - 5.5.2 Expansions
  - 5.5.3 Collaboration/Supply Contracts
- 5.6 Industry Policies

## **6 ENVIRONMENTAL GAS SENSOR MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Environmental Gas Sensor Market Size Market Share by Type (2019-2024)
- 6.3 Global Environmental Gas Sensor Market Size Growth Rate by Type (2019-2024)

## **7 ENVIRONMENTAL GAS SENSOR MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Environmental Gas Sensor Market Size (M USD) by Application (2019-2024)
- 7.3 Global Environmental Gas Sensor Market Size Growth Rate by Application (2019-2024)

## **8 ENVIRONMENTAL GAS SENSOR MARKET SEGMENTATION BY REGION**

- 8.1 Global Environmental Gas Sensor Market Size by Region
  - 8.1.1 Global Environmental Gas Sensor Market Size by Region
  - 8.1.2 Global Environmental Gas Sensor Market Size Market Share by Region
- 8.2 North America
  - 8.2.1 North America Environmental Gas Sensor Market Size by Country
  - 8.2.2 U.S.
  - 8.2.3 Canada
  - 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe Environmental Gas Sensor Market Size by Country
  - 8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Environmental Gas Sensor Market Size by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Environmental Gas Sensor Market Size by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Environmental Gas Sensor Market Size by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

9.1 Alpha Sense

9.1.1 Alpha Sense Environmental Gas Sensor Basic Information

9.1.2 Alpha Sense Environmental Gas Sensor Product Overview

9.1.3 Alpha Sense Environmental Gas Sensor Product Market Performance

9.1.4 Alpha Sense Environmental Gas Sensor SWOT Analysis

9.1.5 Alpha Sense Business Overview

9.1.6 Alpha Sense Recent Developments

9.2 Amphenol Corporation

9.2.1 Amphenol Corporation Environmental Gas Sensor Basic Information

9.2.2 Amphenol Corporation Environmental Gas Sensor Product Overview

9.2.3 Amphenol Corporation Environmental Gas Sensor Product Market Performance

9.2.4 Amphenol Corporation Environmental Gas Sensor SWOT Analysis

9.2.5 Amphenol Corporation Business Overview

- 9.2.6 Amphenol Corporation Recent Developments
- 9.3 FIGARO Engineering Inc.
  - 9.3.1 FIGARO Engineering Inc. Environmental Gas Sensor Basic Information
  - 9.3.2 FIGARO Engineering Inc. Environmental Gas Sensor Product Overview
  - 9.3.3 FIGARO Engineering Inc. Environmental Gas Sensor Product Market Performance
  - 9.3.4 FIGARO Engineering Inc. Environmental Gas Sensor SWOT Analysis
  - 9.3.5 FIGARO Engineering Inc. Business Overview
  - 9.3.6 FIGARO Engineering Inc. Recent Developments
- 9.4 ABB Ltd
  - 9.4.1 ABB Ltd Environmental Gas Sensor Basic Information
  - 9.4.2 ABB Ltd Environmental Gas Sensor Product Overview
  - 9.4.3 ABB Ltd Environmental Gas Sensor Product Market Performance
  - 9.4.4 ABB Ltd Business Overview
  - 9.4.5 ABB Ltd Recent Developments
- 9.5 City Technology
  - 9.5.1 City Technology Environmental Gas Sensor Basic Information
  - 9.5.2 City Technology Environmental Gas Sensor Product Overview
  - 9.5.3 City Technology Environmental Gas Sensor Product Market Performance
  - 9.5.4 City Technology Business Overview
  - 9.5.5 City Technology Recent Developments
- 9.6 Honeywell International
  - 9.6.1 Honeywell International Environmental Gas Sensor Basic Information
  - 9.6.2 Honeywell International Environmental Gas Sensor Product Overview
  - 9.6.3 Honeywell International Environmental Gas Sensor Product Market Performance
  - 9.6.4 Honeywell International Business Overview
  - 9.6.5 Honeywell International Recent Developments
- 9.7 Inc.
  - 9.7.1 Inc. Environmental Gas Sensor Basic Information
  - 9.7.2 Inc. Environmental Gas Sensor Product Overview
  - 9.7.3 Inc. Environmental Gas Sensor Product Market Performance
  - 9.7.4 Inc. Business Overview
  - 9.7.5 Inc. Recent Developments
- 9.8 Membrapor
  - 9.8.1 Membrapor Environmental Gas Sensor Basic Information
  - 9.8.2 Membrapor Environmental Gas Sensor Product Overview
  - 9.8.3 Membrapor Environmental Gas Sensor Product Market Performance
  - 9.8.4 Membrapor Business Overview
  - 9.8.5 Membrapor Recent Developments

## 9.9 Nemoto and Co. Ltd

- 9.9.1 Nemoto and Co. Ltd Environmental Gas Sensor Basic Information
- 9.9.2 Nemoto and Co. Ltd Environmental Gas Sensor Product Overview
- 9.9.3 Nemoto and Co. Ltd Environmental Gas Sensor Product Market Performance
- 9.9.4 Nemoto and Co. Ltd Business Overview
- 9.9.5 Nemoto and Co. Ltd Recent Developments

## 9.10 Robert Bosch

- 9.10.1 Robert Bosch Environmental Gas Sensor Basic Information
- 9.10.2 Robert Bosch Environmental Gas Sensor Product Overview
- 9.10.3 Robert Bosch Environmental Gas Sensor Product Market Performance
- 9.10.4 Robert Bosch Business Overview
- 9.10.5 Robert Bosch Recent Developments

## 9.11 EC Sense

- 9.11.1 EC Sense Environmental Gas Sensor Basic Information
- 9.11.2 EC Sense Environmental Gas Sensor Product Overview
- 9.11.3 EC Sense Environmental Gas Sensor Product Market Performance
- 9.11.4 EC Sense Business Overview
- 9.11.5 EC Sense Recent Developments

## 9.12 Critical Environment Technologies

- 9.12.1 Critical Environment Technologies Environmental Gas Sensor Basic Information
- 9.12.2 Critical Environment Technologies Environmental Gas Sensor Product Overview
- 9.12.3 Critical Environment Technologies Environmental Gas Sensor Product Market Performance
- 9.12.4 Critical Environment Technologies Business Overview
- 9.12.5 Critical Environment Technologies Recent Developments

## 9.13 Johnson Controls

- 9.13.1 Johnson Controls Environmental Gas Sensor Basic Information
- 9.13.2 Johnson Controls Environmental Gas Sensor Product Overview
- 9.13.3 Johnson Controls Environmental Gas Sensor Product Market Performance
- 9.13.4 Johnson Controls Business Overview
- 9.13.5 Johnson Controls Recent Developments

## 9.14 Adsentec

- 9.14.1 Adsentec Environmental Gas Sensor Basic Information
- 9.14.2 Adsentec Environmental Gas Sensor Product Overview
- 9.14.3 Adsentec Environmental Gas Sensor Product Market Performance
- 9.14.4 Adsentec Business Overview
- 9.14.5 Adsentec Recent Developments

## 9.15 AerNos

- 9.15.1 AerNos Environmental Gas Sensor Basic Information
- 9.15.2 AerNos Environmental Gas Sensor Product Overview
- 9.15.3 AerNos Environmental Gas Sensor Product Market Performance
- 9.15.4 AerNos Business Overview
- 9.15.5 AerNos Recent Developments

## 9.16 Aeroqual

- 9.16.1 Aeroqual Environmental Gas Sensor Basic Information
- 9.16.2 Aeroqual Environmental Gas Sensor Product Overview
- 9.16.3 Aeroqual Environmental Gas Sensor Product Market Performance
- 9.16.4 Aeroqual Business Overview
- 9.16.5 Aeroqual Recent Developments

## 9.17 Metis Engineering

- 9.17.1 Metis Engineering Environmental Gas Sensor Basic Information
- 9.17.2 Metis Engineering Environmental Gas Sensor Product Overview
- 9.17.3 Metis Engineering Environmental Gas Sensor Product Market Performance
- 9.17.4 Metis Engineering Business Overview
- 9.17.5 Metis Engineering Recent Developments

## 9.18 Siemens

- 9.18.1 Siemens Environmental Gas Sensor Basic Information
- 9.18.2 Siemens Environmental Gas Sensor Product Overview
- 9.18.3 Siemens Environmental Gas Sensor Product Market Performance
- 9.18.4 Siemens Business Overview
- 9.18.5 Siemens Recent Developments

## 9.19 Smart Nanotubes Technologies

- 9.19.1 Smart Nanotubes Technologies Environmental Gas Sensor Basic Information
- 9.19.2 Smart Nanotubes Technologies Environmental Gas Sensor Product Overview
- 9.19.3 Smart Nanotubes Technologies Environmental Gas Sensor Product Market Performance
- 9.19.4 Smart Nanotubes Technologies Business Overview
- 9.19.5 Smart Nanotubes Technologies Recent Developments

## **10 ENVIRONMENTAL GAS SENSOR REGIONAL MARKET FORECAST**

### 10.1 Global Environmental Gas Sensor Market Size Forecast

### 10.2 Global Environmental Gas Sensor Market Forecast by Region

- 10.2.1 North America Market Size Forecast by Country
- 10.2.2 Europe Environmental Gas Sensor Market Size Forecast by Country
- 10.2.3 Asia Pacific Environmental Gas Sensor Market Size Forecast by Region

- 10.2.4 South America Environmental Gas Sensor Market Size Forecast by Country
- 10.2.5 Middle East and Africa Forecasted Consumption of Environmental Gas Sensor by Country

## **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)**

- 11.1 Global Environmental Gas Sensor Market Forecast by Type (2025-2030)
- 11.2 Global Environmental Gas Sensor Market Forecast by Application (2025-2030)

## **12 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Environmental Gas Sensor Market Size Comparison by Region (M USD)

Table 5. Global Environmental Gas Sensor Revenue (M USD) by Company  
(2019-2024)

Table 6. Global Environmental Gas Sensor Revenue Share by Company (2019-2024)

Table 7. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in  
Environmental Gas Sensor as of 2022)

Table 8. Company Environmental Gas Sensor Market Size Sites and Area Served

Table 9. Company Environmental Gas Sensor Product Type

Table 10. Global Environmental Gas Sensor Company Market Concentration Ratio  
(CR5 and HHI)

Table 11. Mergers & Acquisitions, Expansion Plans

Table 12. Value Chain Map of Environmental Gas Sensor

Table 13. Midstream Market Analysis

Table 14. Downstream Customer Analysis

Table 15. Key Development Trends

Table 16. Driving Factors

Table 17. Environmental Gas Sensor Market Challenges

Table 18. Global Environmental Gas Sensor Market Size by Type (M USD)

Table 19. Global Environmental Gas Sensor Market Size (M USD) by Type (2019-2024)

Table 20. Global Environmental Gas Sensor Market Size Share by Type (2019-2024)

Table 21. Global Environmental Gas Sensor Market Size Growth Rate by Type  
(2019-2024)

Table 22. Global Environmental Gas Sensor Market Size by Application

Table 23. Global Environmental Gas Sensor Market Size by Application (2019-2024) &  
(M USD)

Table 24. Global Environmental Gas Sensor Market Share by Application (2019-2024)

Table 25. Global Environmental Gas Sensor Market Size Growth Rate by Application  
(2019-2024)

Table 26. Global Environmental Gas Sensor Market Size by Region (2019-2024) & (M  
USD)

Table 27. Global Environmental Gas Sensor Market Size Market Share by Region  
(2019-2024)

- Table 28. North America Environmental Gas Sensor Market Size by Country (2019-2024) & (M USD)
- Table 29. Europe Environmental Gas Sensor Market Size by Country (2019-2024) & (M USD)
- Table 30. Asia Pacific Environmental Gas Sensor Market Size by Region (2019-2024) & (M USD)
- Table 31. South America Environmental Gas Sensor Market Size by Country (2019-2024) & (M USD)
- Table 32. Middle East and Africa Environmental Gas Sensor Market Size by Region (2019-2024) & (M USD)
- Table 33. Alpha Sense Environmental Gas Sensor Basic Information
- Table 34. Alpha Sense Environmental Gas Sensor Product Overview
- Table 35. Alpha Sense Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)
- Table 36. Alpha Sense Environmental Gas Sensor SWOT Analysis
- Table 37. Alpha Sense Business Overview
- Table 38. Alpha Sense Recent Developments
- Table 39. Amphenol Corporation Environmental Gas Sensor Basic Information
- Table 40. Amphenol Corporation Environmental Gas Sensor Product Overview
- Table 41. Amphenol Corporation Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)
- Table 42. Amphenol Corporation Environmental Gas Sensor SWOT Analysis
- Table 43. Amphenol Corporation Business Overview
- Table 44. Amphenol Corporation Recent Developments
- Table 45. FIGARO Engineering Inc. Environmental Gas Sensor Basic Information
- Table 46. FIGARO Engineering Inc. Environmental Gas Sensor Product Overview
- Table 47. FIGARO Engineering Inc. Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)
- Table 48. FIGARO Engineering Inc. Environmental Gas Sensor SWOT Analysis
- Table 49. FIGARO Engineering Inc. Business Overview
- Table 50. FIGARO Engineering Inc. Recent Developments
- Table 51. ABB Ltd Environmental Gas Sensor Basic Information
- Table 52. ABB Ltd Environmental Gas Sensor Product Overview
- Table 53. ABB Ltd Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)
- Table 54. ABB Ltd Business Overview
- Table 55. ABB Ltd Recent Developments
- Table 56. City Technology Environmental Gas Sensor Basic Information
- Table 57. City Technology Environmental Gas Sensor Product Overview



Table 58. City Technology Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 59. City Technology Business Overview

Table 60. City Technology Recent Developments

Table 61. Honeywell International Environmental Gas Sensor Basic Information

Table 62. Honeywell International Environmental Gas Sensor Product Overview

Table 63. Honeywell International Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 64. Honeywell International Business Overview

Table 65. Honeywell International Recent Developments

Table 66. Inc. Environmental Gas Sensor Basic Information

Table 67. Inc. Environmental Gas Sensor Product Overview

Table 68. Inc. Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 69. Inc. Business Overview

Table 70. Inc. Recent Developments

Table 71. Membrapor Environmental Gas Sensor Basic Information

Table 72. Membrapor Environmental Gas Sensor Product Overview

Table 73. Membrapor Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 74. Membrapor Business Overview

Table 75. Membrapor Recent Developments

Table 76. Nemoto and Co. Ltd Environmental Gas Sensor Basic Information

Table 77. Nemoto and Co. Ltd Environmental Gas Sensor Product Overview

Table 78. Nemoto and Co. Ltd Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 79. Nemoto and Co. Ltd Business Overview

Table 80. Nemoto and Co. Ltd Recent Developments

Table 81. Robert Bosch Environmental Gas Sensor Basic Information

Table 82. Robert Bosch Environmental Gas Sensor Product Overview

Table 83. Robert Bosch Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 84. Robert Bosch Business Overview

Table 85. Robert Bosch Recent Developments

Table 86. EC Sense Environmental Gas Sensor Basic Information

Table 87. EC Sense Environmental Gas Sensor Product Overview

Table 88. EC Sense Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 89. EC Sense Business Overview

Table 90. EC Sense Recent Developments

Table 91. Critical Environment Technologies Environmental Gas Sensor Basic Information

Table 92. Critical Environment Technologies Environmental Gas Sensor Product Overview

Table 93. Critical Environment Technologies Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 94. Critical Environment Technologies Business Overview

Table 95. Critical Environment Technologies Recent Developments

Table 96. Johnson Controls Environmental Gas Sensor Basic Information

Table 97. Johnson Controls Environmental Gas Sensor Product Overview

Table 98. Johnson Controls Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 99. Johnson Controls Business Overview

Table 100. Johnson Controls Recent Developments

Table 101. Adsentec Environmental Gas Sensor Basic Information

Table 102. Adsentec Environmental Gas Sensor Product Overview

Table 103. Adsentec Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 104. Adsentec Business Overview

Table 105. Adsentec Recent Developments

Table 106. AerNos Environmental Gas Sensor Basic Information

Table 107. AerNos Environmental Gas Sensor Product Overview

Table 108. AerNos Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 109. AerNos Business Overview

Table 110. AerNos Recent Developments

Table 111. Aeroqual Environmental Gas Sensor Basic Information

Table 112. Aeroqual Environmental Gas Sensor Product Overview

Table 113. Aeroqual Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 114. Aeroqual Business Overview

Table 115. Aeroqual Recent Developments

Table 116. Metis Engineering Environmental Gas Sensor Basic Information

Table 117. Metis Engineering Environmental Gas Sensor Product Overview

Table 118. Metis Engineering Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 119. Metis Engineering Business Overview

Table 120. Metis Engineering Recent Developments

Table 121. Siemens Environmental Gas Sensor Basic Information

Table 122. Siemens Environmental Gas Sensor Product Overview

Table 123. Siemens Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 124. Siemens Business Overview

Table 125. Siemens Recent Developments

Table 126. Smart Nanotubes Technologies Environmental Gas Sensor Basic Information

Table 127. Smart Nanotubes Technologies Environmental Gas Sensor Product Overview

Table 128. Smart Nanotubes Technologies Environmental Gas Sensor Revenue (M USD) and Gross Margin (2019-2024)

Table 129. Smart Nanotubes Technologies Business Overview

Table 130. Smart Nanotubes Technologies Recent Developments

Table 131. Global Environmental Gas Sensor Market Size Forecast by Region (2025-2030) & (M USD)

Table 132. North America Environmental Gas Sensor Market Size Forecast by Country (2025-2030) & (M USD)

Table 133. Europe Environmental Gas Sensor Market Size Forecast by Country (2025-2030) & (M USD)

Table 134. Asia Pacific Environmental Gas Sensor Market Size Forecast by Region (2025-2030) & (M USD)

Table 135. South America Environmental Gas Sensor Market Size Forecast by Country (2025-2030) & (M USD)

Table 136. Middle East and Africa Environmental Gas Sensor Market Size Forecast by Country (2025-2030) & (M USD)

Table 137. Global Environmental Gas Sensor Market Size Forecast by Type (2025-2030) & (M USD)

Table 138. Global Environmental Gas Sensor Market Size Forecast by Application (2025-2030) & (M USD)

## List Of Figures

### LIST OF FIGURES

Figure 1. Industrial Chain of Environmental Gas Sensor

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Environmental Gas Sensor Market Size (M USD), 2019-2030

Figure 5. Global Environmental Gas Sensor Market Size (M USD) (2019-2030)

Figure 6. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 8. Evaluation Matrix of Regional Market Development Potential

Figure 9. Environmental Gas Sensor Market Size by Country (M USD)

Figure 10. Global Environmental Gas Sensor Revenue Share by Company in 2023

Figure 11. Environmental Gas Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 12. The Global 5 and 10 Largest Players: Market Share by Environmental Gas Sensor Revenue in 2023

Figure 13. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 14. Global Environmental Gas Sensor Market Share by Type

Figure 15. Market Size Share of Environmental Gas Sensor by Type (2019-2024)

Figure 16. Market Size Market Share of Environmental Gas Sensor by Type in 2022

Figure 17. Global Environmental Gas Sensor Market Size Growth Rate by Type (2019-2024)

Figure 18. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 19. Global Environmental Gas Sensor Market Share by Application

Figure 20. Global Environmental Gas Sensor Market Share by Application (2019-2024)

Figure 21. Global Environmental Gas Sensor Market Share by Application in 2022

Figure 22. Global Environmental Gas Sensor Market Size Growth Rate by Application (2019-2024)

Figure 23. Global Environmental Gas Sensor Market Size Market Share by Region (2019-2024)

Figure 24. North America Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 25. North America Environmental Gas Sensor Market Size Market Share by Country in 2023

Figure 26. U.S. Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 27. Canada Environmental Gas Sensor Market Size (M USD) and Growth Rate

(2019-2024)

Figure 28. Mexico Environmental Gas Sensor Market Size (Units) and Growth Rate (2019-2024)

Figure 29. Europe Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 30. Europe Environmental Gas Sensor Market Size Market Share by Country in 2023

Figure 31. Germany Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 32. France Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 33. U.K. Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 34. Italy Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 35. Russia Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 36. Asia Pacific Environmental Gas Sensor Market Size and Growth Rate (M USD)

Figure 37. Asia Pacific Environmental Gas Sensor Market Size Market Share by Region in 2023

Figure 38. China Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 39. Japan Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 40. South Korea Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 41. India Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 42. Southeast Asia Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 43. South America Environmental Gas Sensor Market Size and Growth Rate (M USD)

Figure 44. South America Environmental Gas Sensor Market Size Market Share by Country in 2023

Figure 45. Brazil Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 46. Argentina Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 47. Columbia Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 48. Middle East and Africa Environmental Gas Sensor Market Size and Growth Rate (M USD)

Figure 49. Middle East and Africa Environmental Gas Sensor Market Size Market Share by Region in 2023

Figure 50. Saudi Arabia Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 51. UAE Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 52. Egypt Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 53. Nigeria Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 54. South Africa Environmental Gas Sensor Market Size and Growth Rate (2019-2024) & (M USD)

Figure 55. Global Environmental Gas Sensor Market Size Forecast by Value (2019-2030) & (M USD)

Figure 56. Global Environmental Gas Sensor Market Share Forecast by Type (2025-2030)

Figure 57. Global Environmental Gas Sensor Market Share Forecast by Application (2025-2030)

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