

Global Wireless Sensors for Environmental and Agricultural Monitoring Market Growth 2025-2031

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Abstracts

The global Wireless Sensors for Environmental and Agricultural Monitoring market size is predicted to grow from US\$ 5058 million in 2025 to US\$ 10340 million in 2031; it is expected to grow at a CAGR of 12.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Wireless Sensors for agricultural environment monitoring server system for monitoring information concerning an outdoors agricultural production environment utilizing Wireless Sensor Network (WSN) technology. The proposed agricultural environment monitoring server system collects environmental and soil information on the outdoors through WSN-based environmental and soil sensors, collects image information through CCTVs, and collects location information using GPS modules. This collected information is converted into a database through the agricultural environment monitoring server consisting of a sensor manager, which manages information collected from the WSN sensors, an image information manager, which manages image information collected from CCTVs, and a GPS manager, which processes location information of the agricultural environment monitoring server system, and provides it to producers. In addition, a solar cell-based power supply is implemented for the server system so that it could be used in agricultural environments with insufficient power infrastructure.

United States market for Wireless Sensors for Environmental and Agricultural Monitoring is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Wireless Sensors for Environmental and Agricultural Monitoring is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Wireless Sensors for Environmental and Agricultural Monitoring is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Wireless Sensors for Environmental and Agricultural Monitoring players cover STM, American Sensor, ASM Automation, Automata, Avir Sensors, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Wireless Sensors for Environmental and Agricultural Monitoring Industry Forecast" looks at past sales and reviews total world Wireless Sensors for Environmental and Agricultural Monitoring sales in 2024, providing a comprehensive analysis by region and market sector of projected Wireless Sensors for Environmental and Agricultural Monitoring sales for 2025 through 2031. With Wireless Sensors for Environmental and Agricultural Monitoring sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Wireless Sensors for Environmental and Agricultural Monitoring industry.

This Insight Report provides a comprehensive analysis of the global Wireless Sensors for Environmental and Agricultural Monitoring landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Wireless Sensors for Environmental and Agricultural Monitoring portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Wireless Sensors for Environmental and Agricultural Monitoring market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Wireless Sensors for Environmental and Agricultural Monitoring and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Wireless Sensors for Environmental and Agricultural Monitoring.

This report presents a comprehensive overview, market shares, and growth opportunities of Wireless Sensors for Environmental and Agricultural Monitoring market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Monitoring & Control

Security & Warning

Diagnosis & Analysis

Segmentation by Application:

ENVIRONMENTAL MONITORING

PRECISION AGRICULTURE

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

STM

American Sensor

ASM Automation

Automata

Avir Sensors

BioForce Nanosciences

Coastal Environmental

E.S.I. Environmental

Measurement Specialties

MEMSIC

Meridian Environmental

Key Questions Addressed in this Report

What is the 10-year outlook for the global Wireless Sensors for Environmental and Agricultural Monitoring market?

What factors are driving Wireless Sensors for Environmental and Agricultural Monitoring market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Wireless Sensors for Environmental and Agricultural Monitoring market opportunities vary by end market size?

How does Wireless Sensors for Environmental and Agricultural Monitoring break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

2.1.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Sales 2020-2031

2.1.2 World Current & Future Analysis for Wireless Sensors for Environmental and Agricultural Monitoring by Geographic Region, 2020, 2024 & 2031

2.1.3 World Current & Future Analysis for Wireless Sensors for Environmental and Agricultural Monitoring by Country/Region, 2020, 2024 & 2031

2.2 Wireless Sensors for Environmental and Agricultural Monitoring Segment by Type

2.2.1 Monitoring & Control

2.2.2 Security & Warning

2.2.3 Diagnosis & Analysis

2.3 Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type

2.3.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type (2020-2025)

2.3.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue and Market Share by Type (2020-2025)

2.3.3 Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Price by Type (2020-2025)

2.4 Wireless Sensors for Environmental and Agricultural Monitoring Segment by Application

2.4.1 ENVIRONMENTAL MONITORING

2.4.2 PRECISION AGRICULTURE

2.5 Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application

2.5.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Market Share by Application (2020-2025)

2.5.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue and Market Share by Application (2020-2025)

2.5.3 Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Breakdown Data by Company

3.1.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Sales by Company (2020-2025)

3.1.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Company (2020-2025)

3.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Revenue by Company (2020-2025)

3.2.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Company (2020-2025)

3.2.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Company (2020-2025)

3.3 Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Price by Company

3.4 Key Manufacturers Wireless Sensors for Environmental and Agricultural Monitoring Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Wireless Sensors for Environmental and Agricultural Monitoring Product Location Distribution

3.4.2 Players Wireless Sensors for Environmental and Agricultural Monitoring Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR WIRELESS SENSORS FOR ENVIRONMENTAL AND AGRICULTURAL MONITORING BY GEOGRAPHIC REGION

4.1 World Historic Wireless Sensors for Environmental and Agricultural Monitoring

Market Size by Geographic Region (2020-2025)

4.1.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Wireless Sensors for Environmental and Agricultural Monitoring Market Size by Country/Region (2020-2025)

4.2.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Sales by Country/Region (2020-2025)

4.2.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Revenue by Country/Region (2020-2025)

4.3 Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales Growth

4.4 APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales Growth

4.5 Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales Growth

4.6 Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales Growth

5 AMERICAS

5.1 Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country

5.1.1 Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country (2020-2025)

5.1.2 Americas Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Country (2020-2025)

5.2 Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025)

5.3 Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Region

6.1.1 APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Region (2020-2025)

6.1.2 APAC Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Region (2020-2025)

6.2 APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025)

6.3 APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Wireless Sensors for Environmental and Agricultural Monitoring by Country

7.1.1 Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country (2020-2025)

7.1.2 Europe Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Country (2020-2025)

7.2 Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025)

7.3 Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring by Country

8.1.1 Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country (2020-2025)

8.1.2 Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Country (2020-2025)

8.2 Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025)

8.3 Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Wireless Sensors for Environmental and Agricultural Monitoring

10.3 Manufacturing Process Analysis of Wireless Sensors for Environmental and Agricultural Monitoring

10.4 Industry Chain Structure of Wireless Sensors for Environmental and Agricultural Monitoring

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Wireless Sensors for Environmental and Agricultural Monitoring Distributors

11.3 Wireless Sensors for Environmental and Agricultural Monitoring Customer

12 WORLD FORECAST REVIEW FOR WIRELESS SENSORS FOR

ENVIRONMENTAL AND AGRICULTURAL MONITORING BY GEOGRAPHIC REGION

12.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Market Size Forecast by Region

12.1.1 Global Wireless Sensors for Environmental and Agricultural Monitoring Forecast by Region (2026-2031)

12.1.2 Global Wireless Sensors for Environmental and Agricultural Monitoring Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Wireless Sensors for Environmental and Agricultural Monitoring Forecast by Type (2026-2031)

12.7 Global Wireless Sensors for Environmental and Agricultural Monitoring Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 STM

13.1.1 STM Company Information

13.1.2 STM Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.1.3 STM Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 STM Main Business Overview

13.1.5 STM Latest Developments

13.2 American Sensor

13.2.1 American Sensor Company Information

13.2.2 American Sensor Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.2.3 American Sensor Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 American Sensor Main Business Overview

13.2.5 American Sensor Latest Developments

13.3 ASM Automation

13.3.1 ASM Automation Company Information

13.3.2 ASM Automation Wireless Sensors for Environmental and Agricultural

Monitoring Product Portfolios and Specifications

13.3.3 ASM Automation Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 ASM Automation Main Business Overview

13.3.5 ASM Automation Latest Developments

13.4 Automata

13.4.1 Automata Company Information

13.4.2 Automata Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.4.3 Automata Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 Automata Main Business Overview

13.4.5 Automata Latest Developments

13.5 Avir Sensors

13.5.1 Avir Sensors Company Information

13.5.2 Avir Sensors Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.5.3 Avir Sensors Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Avir Sensors Main Business Overview

13.5.5 Avir Sensors Latest Developments

13.6 BioForce Nanosciences

13.6.1 BioForce Nanosciences Company Information

13.6.2 BioForce Nanosciences Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.6.3 BioForce Nanosciences Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 BioForce Nanosciences Main Business Overview

13.6.5 BioForce Nanosciences Latest Developments

13.7 Coastal Environmental

13.7.1 Coastal Environmental Company Information

13.7.2 Coastal Environmental Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.7.3 Coastal Environmental Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Coastal Environmental Main Business Overview

13.7.5 Coastal Environmental Latest Developments

13.8 E.S.I. Environmental

13.8.1 E.S.I. Environmental Company Information

13.8.2 E.S.I. Environmental Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.8.3 E.S.I. Environmental Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 E.S.I. Environmental Main Business Overview

13.8.5 E.S.I. Environmental Latest Developments

13.9 Measurement Specialties

13.9.1 Measurement Specialties Company Information

13.9.2 Measurement Specialties Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.9.3 Measurement Specialties Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Measurement Specialties Main Business Overview

13.9.5 Measurement Specialties Latest Developments

13.10 MEMSIC

13.10.1 MEMSIC Company Information

13.10.2 MEMSIC Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.10.3 MEMSIC Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 MEMSIC Main Business Overview

13.10.5 MEMSIC Latest Developments

13.11 Meridian Environmental

13.11.1 Meridian Environmental Company Information

13.11.2 Meridian Environmental Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

13.11.3 Meridian Environmental Wireless Sensors for Environmental and Agricultural Monitoring Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Meridian Environmental Main Business Overview

13.11.5 Meridian Environmental Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Wireless Sensors for Environmental and Agricultural Monitoring Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Wireless Sensors for Environmental and Agricultural Monitoring Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Monitoring & Control

Table 4. Major Players of Security & Warning

Table 5. Major Players of Diagnosis & Analysis

Table 6. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025) & (K Units)

Table 7. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type (2020-2025)

Table 8. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Type (2020-2025) & (\$ million)

Table 9. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Type (2020-2025)

Table 10. Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Price by Type (2020-2025) & (USD/Unit)

Table 11. Global Wireless Sensors for Environmental and Agricultural Monitoring Sale by Application (2020-2025) & (K Units)

Table 12. Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Market Share by Application (2020-2025)

Table 13. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Application (2020-2025) & (\$ million)

Table 14. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Application (2020-2025)

Table 15. Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Price by Application (2020-2025) & (USD/Unit)

Table 16. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales by Company (2020-2025) & (K Units)

Table 17. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Company (2020-2025)

Table 18. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Company (2020-2025)

Table 20. Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Price by Company (2020-2025) & (USD/Unit)

Table 21. Key Manufacturers Wireless Sensors for Environmental and Agricultural Monitoring Producing Area Distribution and Sales Area

Table 22. Players Wireless Sensors for Environmental and Agricultural Monitoring Products Offered

Table 23. Wireless Sensors for Environmental and Agricultural Monitoring Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales by Geographic Region (2020-2025) & (K Units)

Table 27. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share Geographic Region (2020-2025)

Table 28. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country/Region (2020-2025) & (K Units)

Table 31. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country/Region (2020-2025)

Table 32. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country (2020-2025) & (K Units)

Table 35. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country (2020-2025)

Table 36. Americas Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025) & (K Units)

Table 38. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025) & (K Units)

Table 39. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Region (2020-2025) & (K Units)

Table 40. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales

Market Share by Region (2020-2025)

Table 41. APAC Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025) & (K Units)

Table 43. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025) & (K Units)

Table 44. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country (2020-2025) & (K Units)

Table 45. Europe Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025) & (K Units)

Table 47. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025) & (K Units)

Table 48. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales by Country (2020-2025) & (K Units)

Table 49. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales by Type (2020-2025) & (K Units)

Table 51. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales by Application (2020-2025) & (K Units)

Table 52. Key Market Drivers & Growth Opportunities of Wireless Sensors for Environmental and Agricultural Monitoring

Table 53. Key Market Challenges & Risks of Wireless Sensors for Environmental and Agricultural Monitoring

Table 54. Key Industry Trends of Wireless Sensors for Environmental and Agricultural Monitoring

Table 55. Wireless Sensors for Environmental and Agricultural Monitoring Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Wireless Sensors for Environmental and Agricultural Monitoring Distributors List

Table 58. Wireless Sensors for Environmental and Agricultural Monitoring Customer List

Table 59. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Forecast by Region (2026-2031) & (K Units)

Table 60. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 61. Americas Wireless Sensors for Environmental and Agricultural Monitoring

Sales Forecast by Country (2026-2031) & (K Units)

Table 62. Americas Wireless Sensors for Environmental and Agricultural Monitoring Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 63. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales Forecast by Region (2026-2031) & (K Units)

Table 64. APAC Wireless Sensors for Environmental and Agricultural Monitoring Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 65. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales Forecast by Country (2026-2031) & (K Units)

Table 66. Europe Wireless Sensors for Environmental and Agricultural Monitoring Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 67. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales Forecast by Country (2026-2031) & (K Units)

Table 68. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Forecast by Type (2026-2031) & (K Units)

Table 70. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 71. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Forecast by Application (2026-2031) & (K Units)

Table 72. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 73. STM Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

Table 74. STM Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 75. STM Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. STM Main Business

Table 77. STM Latest Developments

Table 78. American Sensor Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

Table 79. American Sensor Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 80. American Sensor Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 81. American Sensor Main Business

Table 82. American Sensor Latest Developments

Table 83. ASM Automation Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

Table 84. ASM Automation Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 85. ASM Automation Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. ASM Automation Main Business

Table 87. ASM Automation Latest Developments

Table 88. Automata Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

Table 89. Automata Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 90. Automata Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. Automata Main Business

Table 92. Automata Latest Developments

Table 93. Avir Sensors Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

Table 94. Avir Sensors Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 95. Avir Sensors Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. Avir Sensors Main Business

Table 97. Avir Sensors Latest Developments

Table 98. BioForce Nanosciences Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

Table 99. BioForce Nanosciences Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 100. BioForce Nanosciences Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. BioForce Nanosciences Main Business

Table 102. BioForce Nanosciences Latest Developments

Table 103. Coastal Environmental Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors

- Table 104. Coastal Environmental Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications
- Table 105. Coastal Environmental Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 106. Coastal Environmental Main Business
- Table 107. Coastal Environmental Latest Developments
- Table 108. E.S.I. Environmental Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors
- Table 109. E.S.I. Environmental Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications
- Table 110. E.S.I. Environmental Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 111. E.S.I. Environmental Main Business
- Table 112. E.S.I. Environmental Latest Developments
- Table 113. Measurement Specialties Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors
- Table 114. Measurement Specialties Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications
- Table 115. Measurement Specialties Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 116. Measurement Specialties Main Business
- Table 117. Measurement Specialties Latest Developments
- Table 118. MEMSIC Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors
- Table 119. MEMSIC Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications
- Table 120. MEMSIC Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 121. MEMSIC Main Business
- Table 122. MEMSIC Latest Developments
- Table 123. Meridian Environmental Basic Information, Wireless Sensors for Environmental and Agricultural Monitoring Manufacturing Base, Sales Area and Its Competitors
- Table 124. Meridian Environmental Wireless Sensors for Environmental and Agricultural Monitoring Product Portfolios and Specifications

Table 125. Meridian Environmental Wireless Sensors for Environmental and Agricultural Monitoring Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 126. Meridian Environmental Main Business

Table 127. Meridian Environmental Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Wireless Sensors for Environmental and Agricultural Monitoring

Figure 2. Wireless Sensors for Environmental and Agricultural Monitoring Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Growth Rate 2020-2031 (K Units)

Figure 7. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Wireless Sensors for Environmental and Agricultural Monitoring Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Figure 9. Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country/Region (2024)

Figure 10. Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of Monitoring & Control

Figure 12. Product Picture of Security & Warning

Figure 13. Product Picture of Diagnosis & Analysis

Figure 14. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type in 2025

Figure 15. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Type (2020-2025)

Figure 16. Wireless Sensors for Environmental and Agricultural Monitoring Consumed in ENVIRONMENTAL MONITORING

Figure 17. Global Wireless Sensors for Environmental and Agricultural Monitoring Market: ENVIRONMENTAL MONITORING (2020-2025) & (K Units)

Figure 18. Wireless Sensors for Environmental and Agricultural Monitoring Consumed in PRECISION AGRICULTURE

Figure 19. Global Wireless Sensors for Environmental and Agricultural Monitoring Market: PRECISION AGRICULTURE (2020-2025) & (K Units)

Figure 20. Global Wireless Sensors for Environmental and Agricultural Monitoring Sale Market Share by Application (2024)

Figure 21. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Application in 2025

Figure 22. Wireless Sensors for Environmental and Agricultural Monitoring Sales by Company in 2025 (K Units)

Figure 23. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Company in 2025

Figure 24. Wireless Sensors for Environmental and Agricultural Monitoring Revenue by Company in 2025 (\$ millions)

Figure 25. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Company in 2025

Figure 26. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Geographic Region (2020-2025)

Figure 27. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Geographic Region in 2025

Figure 28. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales 2020-2025 (K Units)

Figure 29. Americas Wireless Sensors for Environmental and Agricultural Monitoring Revenue 2020-2025 (\$ millions)

Figure 30. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales 2020-2025 (K Units)

Figure 31. APAC Wireless Sensors for Environmental and Agricultural Monitoring Revenue 2020-2025 (\$ millions)

Figure 32. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales 2020-2025 (K Units)

Figure 33. Europe Wireless Sensors for Environmental and Agricultural Monitoring Revenue 2020-2025 (\$ millions)

Figure 34. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales 2020-2025 (K Units)

Figure 35. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Revenue 2020-2025 (\$ millions)

Figure 36. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country in 2025

Figure 37. Americas Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Country (2020-2025)

Figure 38. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type (2020-2025)

Figure 39. Americas Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Application (2020-2025)

Figure 40. United States Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 41. Canada Wireless Sensors for Environmental and Agricultural Monitoring

Revenue Growth 2020-2025 (\$ millions)

Figure 42. Mexico Wireless Sensors for Environmental and Agricultural Monitoring

Revenue Growth 2020-2025 (\$ millions)

Figure 43. Brazil Wireless Sensors for Environmental and Agricultural Monitoring

Revenue Growth 2020-2025 (\$ millions)

Figure 44. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Region in 2025

Figure 45. APAC Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Region (2020-2025)

Figure 46. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type (2020-2025)

Figure 47. APAC Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Application (2020-2025)

Figure 48. China Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 49. Japan Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 50. South Korea Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 51. Southeast Asia Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 52. India Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 53. Australia Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 54. China Taiwan Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 55. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country in 2025

Figure 56. Europe Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share by Country (2020-2025)

Figure 57. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type (2020-2025)

Figure 58. Europe Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Application (2020-2025)

Figure 59. Germany Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 60. France Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 61. UK Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 62. Italy Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 63. Russia Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 64. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Country (2020-2025)

Figure 65. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Type (2020-2025)

Figure 66. Middle East & Africa Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share by Application (2020-2025)

Figure 67. Egypt Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 68. South Africa Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 69. Israel Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 70. Turkey Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 71. GCC Countries Wireless Sensors for Environmental and Agricultural Monitoring Revenue Growth 2020-2025 (\$ millions)

Figure 72. Manufacturing Cost Structure Analysis of Wireless Sensors for Environmental and Agricultural Monitoring in 2025

Figure 73. Manufacturing Process Analysis of Wireless Sensors for Environmental and Agricultural Monitoring

Figure 74. Industry Chain Structure of Wireless Sensors for Environmental and Agricultural Monitoring

Figure 75. Channels of Distribution

Figure 76. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Forecast by Region (2026-2031)

Figure 77. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share Forecast by Region (2026-2031)

Figure 78. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share Forecast by Type (2026-2031)

Figure 79. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share Forecast by Type (2026-2031)

Figure 80. Global Wireless Sensors for Environmental and Agricultural Monitoring Sales Market Share Forecast by Application (2026-2031)

Figure 81. Global Wireless Sensors for Environmental and Agricultural Monitoring Revenue Market Share Forecast by Application (2026-2031)

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