

# Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Growth (Status and Outlook) 2025-2031

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## Abstracts

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The global Corrosion Under Insulation (CUI) Monitoring market size is predicted to grow from US\$ 214 million in 2025 to US\$ 260 million in 2031; it is expected to grow at a CAGR of 3.3% from 2025 to 2031.

Corrosion under insulation (CUI) poses a significant operational loss, safety hazard and economic cost. Corrosion under insulation (CUI) is invisible to the surface of the insulation. Because of this, it is very difficult for conventional techniques to detect and monitor corrosion under insulation. The presence of moisture in and under insulation is the root cause of corrosion under insulation (CUI). Corrosion under insulation is a severe form of localized external corrosion that occurs in carbon and low alloy steel equipment that has been insulated. This form of corrosion occurs when water is absorbed by or collected in the insulation. As a result the equipment begins to corrode as it is exposed to water and oxygen. Depending on the structure and the location of the insulation, CUI can attack the jacketing, insulation hardware or underlying piping equipment. Additionally, when insulation becomes wet or absorbs moisture, its thermal insulating properties are drastically reduced. Because water conducts heat more efficiently than air, an aggressive corrosion cell is created where the trapped heat accelerates the rate of corrosion.

Global key players of Corrosion Under Insulation (CUI) Monitoring include Mistras, QSA Global, Inc. , Previa (Eddyfi), Kaefer Group, Alabama Specialty Products (Metal Samples) and Applied Technical Services, LLC, etc. The top six manufacturers hold a share over 65%.

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

This Insight Report provides a comprehensive analysis of the global Corrosion Under Insulation (CUI) 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 analyses the strategies of leading global companies with a focus on Corrosion Under Insulation (CUI) Monitoring portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Corrosion Under Insulation (CUI) Monitoring market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Corrosion Under Insulation (CUI) 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 Corrosion Under Insulation (CUI) Monitoring.

This report presents a comprehensive overview, market shares, and growth opportunities of Corrosion Under Insulation (CUI) Monitoring market by product type, application, key players and key regions and countries.

Segmentation by Type:

Hardware

Software

Services

### Segmentation by Application:

Oil & Gas

Marine

Chemical & Petrochemical

Energy & Power

Food Processing Industries

Others

### 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 analyzing the company's coverage, product portfolio, its market penetration.

Mistras

QSA Global, Inc.

Previan (Eddyfi)

Kaefer Group

Alabama Specialty Products (Metal Samples)

Applied Technical Services, LLC

Testex Inc

Rohrback Cosasco Systems (RCS)

3-Sci Limited

CorrosionRADAR

iSensPro

ESR Technology

Maxwell NDT

## 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

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size 2025-2031
  - 2.1.2 Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size CAGR by Region
- 2.2 Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Segment by Type
  - 2.2.1 Below 99.99%
  - 2.2.2 Above 99.99%
- 2.3 Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Type
  - 2.3.1 Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Type (2025-2031)
  - 2.3.2 Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth Rate by Type (2025-2031)
- 2.4 Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Segment by Application
  - 2.4.1 Semiconductor
  - 2.4.2 Other Electronic Industrial
- 2.5 Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031)
  - 2.5.1 Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)
  - 2.5.2 Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth Rate by Application (2025-2031)

### 3 ELECTRONIC GRADE SULFUR DIOXIDE (SO<sub>2</sub>) KEY PLAYERS

- 3.1 Date of Key Players Enter into Electronic Grade Sulfur Dioxide (SO<sub>2</sub>)
- 3.2 Key Players Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Product Offered
- 3.3 Key Players Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Funding/Investment Analysis

### 3.4 Funding/Investment

#### 3.4.1 Funding/Investment by Regions

#### 3.4.2 Funding/Investment by End-Industry

### 3.5 Key Players Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Valuation & Market Capitalization

### 3.6 Key Players Mergers & Acquisitions, Expansion Plans

### 3.7 Market Ranking

### 3.8 New Product/Technology Launches

### 3.9 Partnerships, Agreements, and Collaborations

### 3.10 Mergers and Acquisitions

## 4 ELECTRONIC GRADE SULFUR DIOXIDE (SO<sub>2</sub>) BY REGIONS

### 4.1 Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Regions (2025-2031)

### 4.2 United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth (2025-2031)

### 4.3 China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth (2025-2031)

### 4.4 Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth (2025-2031)

### 4.5 Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth (2025-2031)

## 5 UNITED STATES

### 5.1 United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Type (2025-2031)

### 5.2 United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031)

## 6 EUROPE

### 6.1 Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Type (2025-2031)

### 6.2 Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031)

## 7 CHINA

### 7.1 China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Type (2025-2031)

### 7.2 China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031)

## **8 REST OF WORLD**

8.1 Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Type (2025-2031)

8.2 Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031)

8.3 Japan

8.4 South Korea

8.5 Southeast Asia

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 KEY INVESTORS IN ELECTRONIC GRADE SULFUR DIOXIDE (SO<sub>2</sub>)**

10.1 Company A

10.1.1 Company A Company Details

10.1.2 Company Description

10.1.3 Companies Invested by Company A

10.1.4 Company A Key Development and Market Layout

10.2 Company B

10.2.1 Company B Company Details

10.2.2 Company Description

10.2.3 Companies Invested by Company B

10.2.4 Company B Key Development and Market Layout

10.3 Company C

10.3.1 Company C Company Details

10.3.2 Company Description

10.3.3 Companies Invested by Company C

10.3.4 Company C Key Development and Market Layout

10.4 Company D

10.5 .....

## **11 KEY PLAYERS ANALYSIS**



## 11.1 Sumitomo Seika

### 11.1.1 Sumitomo Seika Company Details

### 11.1.2 Sumitomo Seika Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Product Offered

### 11.1.3 Sumitomo Seika Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

### 11.1.4 Sumitomo Seika Main Business Overview

### 11.1.5 Sumitomo Seika News

## 11.2 Air Liquide

### 11.2.1 Air Liquide Company Details

### 11.2.2 Air Liquide Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Product Offered

### 11.2.3 Air Liquide Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

### 11.2.4 Air Liquide Main Business Overview

### 11.2.5 Air Liquide News

## 11.3 INEOS

### 11.3.1 INEOS Company Details

### 11.3.2 INEOS Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Product Offered

### 11.3.3 INEOS Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

### 11.3.4 INEOS Main Business Overview

### 11.3.5 INEOS News

## 11.4 Wuhan Air Gas Electronic Materials Enterprise Co., Ltd.

### 11.4.1 Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. Company Details

### 11.4.2 Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Product Offered

### 11.4.3 Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

### 11.4.4 Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. Main Business Overview

### 11.4.5 Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. News

## 12 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

Table 1. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size CAGR by Region (2025-2031) (\$ millions)

Table 2. Major Players of Below 99.99%

Table 3. Major Players of Above 99.99%

Table 4. Global Market Size byType (2025-2031) (\$ millions)

Table 5. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share byType (2025-2031)

Table 6. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031) (\$ millions)

Table 7. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)

Table 8. Date of Global Key Players Enter into Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market

Table 9. Global Key Players Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Product Offered

Table 10. Key Players Electronic Grade Sulfur Dioxide (SO<sub>2</sub>)Funding/Investment (Million USD)

Table 11.Funding/Investment by Regions

Table 12.Funding/Investment by End-Industry

Table 13. Key Players Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Valuation & Market Capitalization (Million USD)

Table 14. Key Players Mergers & Acquisitions, Expansion Plans

Table 15. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) New Product/Technology Launches

Table 16. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Industry Partnerships, Agreements, and Collaborations

Table 17. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Industry Mergers and Acquisitions

Table 18. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Regions 2025-2031 (\$ millions)

Table 19. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Regions 2025-2031

Table 20. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size byType (2025-2031) (\$ millions)

Table 21. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share byType (2025-2031)

Table 22. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031) (\$ millions)

Table 23. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)

Table 24. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size byType (2025-2031) (\$ millions)

Table 25. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share byType (2025-2031)

Table 26. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031) (\$ millions)

Table 27. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)

Table 28. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size byType (2025-2031) (\$ millions)

Table 29. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share byType (2025-2031)

Table 30. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031) (\$ millions)

Table 31. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)

Table 32. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size byType (2025-2031) (\$ millions)

Table 33. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share byType (2025-2031)

Table 34. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Application (2025-2031) (\$ millions)

Table 35. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)

Table 36. Key Market Drivers & Growth Opportunities of Electronic Grade Sulfur Dioxide (SO<sub>2</sub>)

Table 37. Key Market Challenges & Risks of Electronic Grade Sulfur Dioxide (SO<sub>2</sub>)

Table 38. Key IndustryTrends of Electronic Grade Sulfur Dioxide (SO<sub>2</sub>)

Table 39. Company A Company Details

Table 40. Companies Invested by Company A

Table 41. Company A Key Development and Market Layout

Table 42. Company B Company Details

Table 43. Companies Invested by Company B

Table 44. Company B Key Development and Market Layout

Table 45. Company C Company Details

Table 46. Companies Invested by Company C

Table 47. Company C Key Development and Market Layout

Table 48. Sumitomo Seika Basic Information, Head Office, Major Market Areas and Its Competitors

Table 49. Sumitomo Seika Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

Table 50. Air Liquide Basic Information, Head Office, Major Market Areas and Its Competitors

Table 51. Air Liquide Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

Table 52. INEOS Basic Information, Head Office, Major Market Areas and Its Competitors

Table 53. INEOS Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

Table 54. Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. Basic Information, Head Office, Major Market Areas and Its Competitors

Table 55. Wuhan Air Gas Electronic Materials Enterprise Co., Ltd. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size (2024 VS 2030)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Electronic Grade Sulfur Dioxide (SO<sub>2</sub>)
- Figure 2. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Growth Rate 2025-2031 (\$ millions)
- Figure 7. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size by Region (2024 & 2031) (\$ millions)
- Figure 8. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share byType (2025-2031)
- Figure 9. Global Below 99.99% Market Size Growth Rate
- Figure 10. Global Above 99.99% Market Size Growth Rate
- Figure 11. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) in Semiconductor
- Figure 12. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market: Semiconductor (2025-2031) (\$ millions)
- Figure 13. Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) in Other Electronic Industrial
- Figure 14. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market: Other Electronic Industrial (2025-2031) (\$ millions)
- Figure 15. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application (2025-2031)
- Figure 16. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size in Semiconductor Growth Rate
- Figure 17. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size in Other Electronic Industrial Growth Rate
- Figure 18. Funding/Investment
- Figure 19. Global Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Regions 2025-2031
- Figure 20. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size 2025-2031 (\$ millions)
- Figure 21. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size 2025-2031 (\$ millions)
- Figure 22. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size 2025-2031 (\$ millions)
- Figure 23. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size 2025-2031

(\$ millions)

Figure 24. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Consumption Market Share byType in 2029

Figure 25. United States Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application in 2029

Figure 26. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Consumption Market Share byType in 2029

Figure 27. Europe Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application in 2029

Figure 28. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Consumption Market Share byType in 2029

Figure 29. China Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application in 2029

Figure 30. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Consumption Market Share byType in 2029

Figure 31. Rest of World Electronic Grade Sulfur Dioxide (SO<sub>2</sub>) Market Size Market Share by Application in 2029

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