

# Global Ship SOx Scrubber Systems Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Ship SOx Scrubber Systems market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

Ship SOx scrubber systems, also known as sulfur oxide (SOx) scrubber systems, are a type of exhaust gas cleaning technology used on marine vessels, especially ships and boats, to reduce emissions of sulfur oxides, particularly sulfur dioxide (SO<sub>2</sub>), from the exhaust gases produced by the combustion of heavy fuel oil or other sulfur-rich fuels. These systems play a critical role in helping ships comply with international and regional regulations that restrict sulfur emissions in environmentally sensitive areas, such as emission control areas (ECAs).

Key components of ship SOx scrubber systems include:

**Scrubbing Unit:** The heart of the system is the scrubbing unit, which is designed to remove sulfur oxides (SOx) from the exhaust gases. The unit often consists of nozzles, baffles, or other elements that facilitate the contact between the exhaust gases and a scrubbing solution.

**Scrubbing Solution:** A scrubbing solution is used to clean the exhaust gases. The solution is typically composed of water and an alkaline reagent, such as sodium hydroxide or magnesium hydroxide. This solution reacts with SO<sub>2</sub> in the exhaust gas to form sulfite or sulfate compounds, which are then removed from the gas.

Ship SOx scrubber systems have become an important technology for reducing air

pollution from ships, especially in areas with strict emission control regulations. They help ships meet emissions standards while allowing the continued use of heavy fuels for propulsion.

The Global Info Research report includes an overview of the development of the Ship SOx Scrubber Systems industry chain, the market status of Commercial Ships (Open-Loop Scrubbers, Closed-Loop Scrubbers), Industrial Ships (Open-Loop Scrubbers, Closed-Loop Scrubbers), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Ship SOx Scrubber Systems.

Regionally, the report analyzes the Ship SOx Scrubber Systems markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Ship SOx Scrubber Systems market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Ship SOx Scrubber Systems market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Ship SOx Scrubber Systems industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Open-Loop Scrubbers, Closed-Loop Scrubbers).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Ship SOx Scrubber Systems market.

**Regional Analysis:** The report involves examining the Ship SOx Scrubber Systems market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Ship SOx Scrubber Systems market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Ship SOx Scrubber Systems:

**Company Analysis:** Report covers individual Ship SOx Scrubber Systems manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Ship SOx Scrubber Systems. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial Ships, Industrial Ships).

**Technology Analysis:** Report covers specific technologies relevant to Ship SOx Scrubber Systems. It assesses the current state, advancements, and potential future developments in Ship SOx Scrubber Systems areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Ship SOx Scrubber Systems market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Ship SOx Scrubber Systems market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

#### Open-Loop Scrubbers

Closed-Loop Scrubbers

Market segment by Application

Commercial Ships

Industrial Ships

Others

Major players covered

Wärtsilä

Yara Marine Technologies

Alfa Laval

Andritz

KSB

CR Ocean Engineering

Lange Tech

Mitsubishi Heavy Industries (MHI)

DNV

Croll Reynolds

Ecospray

Saacke

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Ship SOx Scrubber Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ship SOx Scrubber Systems, with price, sales, revenue and global market share of Ship SOx Scrubber Systems from 2018 to 2023.

Chapter 3, the Ship SOx Scrubber Systems competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ship SOx Scrubber Systems breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Ship SOx Scrubber Systems market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Ship SOx Scrubber Systems.

Chapter 14 and 15, to describe Ship SOx Scrubber Systems sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Ship SOx Scrubber Systems
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Ship SOx Scrubber Systems Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Open-Loop Scrubbers
  - 1.3.3 Closed-Loop Scrubbers
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Ship SOx Scrubber Systems Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Commercial Ships
  - 1.4.3 Industrial Ships
  - 1.4.4 Others
- 1.5 Global Ship SOx Scrubber Systems Market Size & Forecast
  - 1.5.1 Global Ship SOx Scrubber Systems Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Ship SOx Scrubber Systems Sales Quantity (2018-2029)
  - 1.5.3 Global Ship SOx Scrubber Systems Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Wartsil
  - 2.1.1 Wartsil Details
  - 2.1.2 Wartsil Major Business
  - 2.1.3 Wartsil Ship SOx Scrubber Systems Product and Services
  - 2.1.4 Wartsil Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Wartsil Recent Developments/Updates
- 2.2 Yara Marine Technologies
  - 2.2.1 Yara Marine Technologies Details
  - 2.2.2 Yara Marine Technologies Major Business
  - 2.2.3 Yara Marine Technologies Ship SOx Scrubber Systems Product and Services
  - 2.2.4 Yara Marine Technologies Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 Yara Marine Technologies Recent Developments/Updates
- 2.3 Alfa Laval

- 2.3.1 Alfa Laval Details
- 2.3.2 Alfa Laval Major Business
- 2.3.3 Alfa Laval Ship SOx Scrubber Systems Product and Services
- 2.3.4 Alfa Laval Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.3.5 Alfa Laval Recent Developments/Updates
- 2.4 Andritz
  - 2.4.1 Andritz Details
  - 2.4.2 Andritz Major Business
  - 2.4.3 Andritz Ship SOx Scrubber Systems Product and Services
  - 2.4.4 Andritz Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.4.5 Andritz Recent Developments/Updates
- 2.5 KSB
  - 2.5.1 KSB Details
  - 2.5.2 KSB Major Business
  - 2.5.3 KSB Ship SOx Scrubber Systems Product and Services
  - 2.5.4 KSB Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.5.5 KSB Recent Developments/Updates
- 2.6 CR Ocean Engineering
  - 2.6.1 CR Ocean Engineering Details
  - 2.6.2 CR Ocean Engineering Major Business
  - 2.6.3 CR Ocean Engineering Ship SOx Scrubber Systems Product and Services
  - 2.6.4 CR Ocean Engineering Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.6.5 CR Ocean Engineering Recent Developments/Updates
- 2.7 Langh Tech
  - 2.7.1 Langh Tech Details
  - 2.7.2 Langh Tech Major Business
  - 2.7.3 Langh Tech Ship SOx Scrubber Systems Product and Services
  - 2.7.4 Langh Tech Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.7.5 Langh Tech Recent Developments/Updates
- 2.8 Mitsubishi Heavy Industries (MHI)
  - 2.8.1 Mitsubishi Heavy Industries (MHI) Details
  - 2.8.2 Mitsubishi Heavy Industries (MHI) Major Business
  - 2.8.3 Mitsubishi Heavy Industries (MHI) Ship SOx Scrubber Systems Product and Services



2.8.4 Mitsubishi Heavy Industries (MHI) Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Mitsubishi Heavy Industries (MHI) Recent Developments/Updates

2.9 DNV

2.9.1 DNV Details

2.9.2 DNV Major Business

2.9.3 DNV Ship SOx Scrubber Systems Product and Services

2.9.4 DNV Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 DNV Recent Developments/Updates

2.10 Croll Reynolds

2.10.1 Croll Reynolds Details

2.10.2 Croll Reynolds Major Business

2.10.3 Croll Reynolds Ship SOx Scrubber Systems Product and Services

2.10.4 Croll Reynolds Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Croll Reynolds Recent Developments/Updates

2.11 Ecospray

2.11.1 Ecospray Details

2.11.2 Ecospray Major Business

2.11.3 Ecospray Ship SOx Scrubber Systems Product and Services

2.11.4 Ecospray Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Ecospray Recent Developments/Updates

2.12 Saacke

2.12.1 Saacke Details

2.12.2 Saacke Major Business

2.12.3 Saacke Ship SOx Scrubber Systems Product and Services

2.12.4 Saacke Ship SOx Scrubber Systems Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Saacke Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SHIP SOX SCRUBBER SYSTEMS BY MANUFACTURER**

3.1 Global Ship SOx Scrubber Systems Sales Quantity by Manufacturer (2018-2023)

3.2 Global Ship SOx Scrubber Systems Revenue by Manufacturer (2018-2023)

3.3 Global Ship SOx Scrubber Systems Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Ship SOx Scrubber Systems by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Ship SOx Scrubber Systems Manufacturer Market Share in 2022

3.4.2 Top 6 Ship SOx Scrubber Systems Manufacturer Market Share in 2022

3.5 Ship SOx Scrubber Systems Market: Overall Company Footprint Analysis

3.5.1 Ship SOx Scrubber Systems Market: Region Footprint

3.5.2 Ship SOx Scrubber Systems Market: Company Product Type Footprint

3.5.3 Ship SOx Scrubber Systems Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global Ship SOx Scrubber Systems Market Size by Region

4.1.1 Global Ship SOx Scrubber Systems Sales Quantity by Region (2018-2029)

4.1.2 Global Ship SOx Scrubber Systems Consumption Value by Region (2018-2029)

4.1.3 Global Ship SOx Scrubber Systems Average Price by Region (2018-2029)

4.2 North America Ship SOx Scrubber Systems Consumption Value (2018-2029)

4.3 Europe Ship SOx Scrubber Systems Consumption Value (2018-2029)

4.4 Asia-Pacific Ship SOx Scrubber Systems Consumption Value (2018-2029)

4.5 South America Ship SOx Scrubber Systems Consumption Value (2018-2029)

4.6 Middle East and Africa Ship SOx Scrubber Systems Consumption Value (2018-2029)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Ship SOx Scrubber Systems Sales Quantity by Type (2018-2029)

5.2 Global Ship SOx Scrubber Systems Consumption Value by Type (2018-2029)

5.3 Global Ship SOx Scrubber Systems Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Ship SOx Scrubber Systems Sales Quantity by Application (2018-2029)

6.2 Global Ship SOx Scrubber Systems Consumption Value by Application (2018-2029)

6.3 Global Ship SOx Scrubber Systems Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

7.1 North America Ship SOx Scrubber Systems Sales Quantity by Type (2018-2029)

7.2 North America Ship SOx Scrubber Systems Sales Quantity by Application (2018-2029)

7.3 North America Ship SOx Scrubber Systems Market Size by Country

7.3.1 North America Ship SOx Scrubber Systems Sales Quantity by Country (2018-2029)

7.3.2 North America Ship SOx Scrubber Systems Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Ship SOx Scrubber Systems Sales Quantity by Type (2018-2029)

8.2 Europe Ship SOx Scrubber Systems Sales Quantity by Application (2018-2029)

8.3 Europe Ship SOx Scrubber Systems Market Size by Country

8.3.1 Europe Ship SOx Scrubber Systems Sales Quantity by Country (2018-2029)

8.3.2 Europe Ship SOx Scrubber Systems Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Ship SOx Scrubber Systems Market Size by Region

9.3.1 Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Ship SOx Scrubber Systems Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

10.1 South America Ship SOx Scrubber Systems Sales Quantity by Type (2018-2029)

10.2 South America Ship SOx Scrubber Systems Sales Quantity by Application (2018-2029)

10.3 South America Ship SOx Scrubber Systems Market Size by Country

10.3.1 South America Ship SOx Scrubber Systems Sales Quantity by Country (2018-2029)

10.3.2 South America Ship SOx Scrubber Systems Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Ship SOx Scrubber Systems Market Size by Country

11.3.1 Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Ship SOx Scrubber Systems Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

12.1 Ship SOx Scrubber Systems Market Drivers

12.2 Ship SOx Scrubber Systems Market Restraints

12.3 Ship SOx Scrubber Systems Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Ship SOx Scrubber Systems and Key Manufacturers

13.2 Manufacturing Costs Percentage of Ship SOx Scrubber Systems

13.3 Ship SOx Scrubber Systems Production Process

13.4 Ship SOx Scrubber Systems Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Ship SOx Scrubber Systems Typical Distributors

14.3 Ship SOx Scrubber Systems Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Ship SOx Scrubber Systems Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Ship SOx Scrubber Systems Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Wärtsilä Basic Information, Manufacturing Base and Competitors

Table 4. Wärtsilä Major Business

Table 5. Wärtsilä Ship SOx Scrubber Systems Product and Services

Table 6. Wärtsilä Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Wärtsilä Recent Developments/Updates

Table 8. Yara Marine Technologies Basic Information, Manufacturing Base and Competitors

Table 9. Yara Marine Technologies Major Business

Table 10. Yara Marine Technologies Ship SOx Scrubber Systems Product and Services

Table 11. Yara Marine Technologies Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Yara Marine Technologies Recent Developments/Updates

Table 13. Alfa Laval Basic Information, Manufacturing Base and Competitors

Table 14. Alfa Laval Major Business

Table 15. Alfa Laval Ship SOx Scrubber Systems Product and Services

Table 16. Alfa Laval Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Alfa Laval Recent Developments/Updates

Table 18. Andritz Basic Information, Manufacturing Base and Competitors

Table 19. Andritz Major Business

Table 20. Andritz Ship SOx Scrubber Systems Product and Services

Table 21. Andritz Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Andritz Recent Developments/Updates

Table 23. KSB Basic Information, Manufacturing Base and Competitors

Table 24. KSB Major Business

Table 25. KSB Ship SOx Scrubber Systems Product and Services

Table 26. KSB Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. KSB Recent Developments/Updates

Table 28. CR Ocean Engineering Basic Information, Manufacturing Base and Competitors

Table 29. CR Ocean Engineering Major Business

Table 30. CR Ocean Engineering Ship SOx Scrubber Systems Product and Services

Table 31. CR Ocean Engineering Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. CR Ocean Engineering Recent Developments/Updates

Table 33. Lanh Tech Basic Information, Manufacturing Base and Competitors

Table 34. Lanh Tech Major Business

Table 35. Lanh Tech Ship SOx Scrubber Systems Product and Services

Table 36. Lanh Tech Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Lanh Tech Recent Developments/Updates

Table 38. Mitsubishi Heavy Industries (MHI) Basic Information, Manufacturing Base and Competitors

Table 39. Mitsubishi Heavy Industries (MHI) Major Business

Table 40. Mitsubishi Heavy Industries (MHI) Ship SOx Scrubber Systems Product and Services

Table 41. Mitsubishi Heavy Industries (MHI) Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Mitsubishi Heavy Industries (MHI) Recent Developments/Updates

Table 43. DNV Basic Information, Manufacturing Base and Competitors

Table 44. DNV Major Business

Table 45. DNV Ship SOx Scrubber Systems Product and Services

Table 46. DNV Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. DNV Recent Developments/Updates

Table 48. Croll Reynolds Basic Information, Manufacturing Base and Competitors

Table 49. Croll Reynolds Major Business

Table 50. Croll Reynolds Ship SOx Scrubber Systems Product and Services

Table 51. Croll Reynolds Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Croll Reynolds Recent Developments/Updates

Table 53. Ecospray Basic Information, Manufacturing Base and Competitors

Table 54. Ecospray Major Business

- Table 55. Ecospray Ship SOx Scrubber Systems Product and Services
- Table 56. Ecospray Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 57. Ecospray Recent Developments/Updates
- Table 58. Saacke Basic Information, Manufacturing Base and Competitors
- Table 59. Saacke Major Business
- Table 60. Saacke Ship SOx Scrubber Systems Product and Services
- Table 61. Saacke Ship SOx Scrubber Systems Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 62. Saacke Recent Developments/Updates
- Table 63. Global Ship SOx Scrubber Systems Sales Quantity by Manufacturer (2018-2023) & (K Units)
- Table 64. Global Ship SOx Scrubber Systems Revenue by Manufacturer (2018-2023) & (USD Million)
- Table 65. Global Ship SOx Scrubber Systems Average Price by Manufacturer (2018-2023) & (US\$/Unit)
- Table 66. Market Position of Manufacturers in Ship SOx Scrubber Systems, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022
- Table 67. Head Office and Ship SOx Scrubber Systems Production Site of Key Manufacturer
- Table 68. Ship SOx Scrubber Systems Market: Company Product Type Footprint
- Table 69. Ship SOx Scrubber Systems Market: Company Product Application Footprint
- Table 70. Ship SOx Scrubber Systems New Market Entrants and Barriers to Market Entry
- Table 71. Ship SOx Scrubber Systems Mergers, Acquisition, Agreements, and Collaborations
- Table 72. Global Ship SOx Scrubber Systems Sales Quantity by Region (2018-2023) & (K Units)
- Table 73. Global Ship SOx Scrubber Systems Sales Quantity by Region (2024-2029) & (K Units)
- Table 74. Global Ship SOx Scrubber Systems Consumption Value by Region (2018-2023) & (USD Million)
- Table 75. Global Ship SOx Scrubber Systems Consumption Value by Region (2024-2029) & (USD Million)
- Table 76. Global Ship SOx Scrubber Systems Average Price by Region (2018-2023) & (US\$/Unit)
- Table 77. Global Ship SOx Scrubber Systems Average Price by Region (2024-2029) & (US\$/Unit)
- Table 78. Global Ship SOx Scrubber Systems Sales Quantity by Type (2018-2023) & (K



Units)

Table 79. Global Ship SOx Scrubber Systems Sales Quantity by Type (2024-2029) & (K Units)

Table 80. Global Ship SOx Scrubber Systems Consumption Value by Type (2018-2023) & (USD Million)

Table 81. Global Ship SOx Scrubber Systems Consumption Value by Type (2024-2029) & (USD Million)

Table 82. Global Ship SOx Scrubber Systems Average Price by Type (2018-2023) & (US\$/Unit)

Table 83. Global Ship SOx Scrubber Systems Average Price by Type (2024-2029) & (US\$/Unit)

Table 84. Global Ship SOx Scrubber Systems Sales Quantity by Application (2018-2023) & (K Units)

Table 85. Global Ship SOx Scrubber Systems Sales Quantity by Application (2024-2029) & (K Units)

Table 86. Global Ship SOx Scrubber Systems Consumption Value by Application (2018-2023) & (USD Million)

Table 87. Global Ship SOx Scrubber Systems Consumption Value by Application (2024-2029) & (USD Million)

Table 88. Global Ship SOx Scrubber Systems Average Price by Application (2018-2023) & (US\$/Unit)

Table 89. Global Ship SOx Scrubber Systems Average Price by Application (2024-2029) & (US\$/Unit)

Table 90. North America Ship SOx Scrubber Systems Sales Quantity by Type (2018-2023) & (K Units)

Table 91. North America Ship SOx Scrubber Systems Sales Quantity by Type (2024-2029) & (K Units)

Table 92. North America Ship SOx Scrubber Systems Sales Quantity by Application (2018-2023) & (K Units)

Table 93. North America Ship SOx Scrubber Systems Sales Quantity by Application (2024-2029) & (K Units)

Table 94. North America Ship SOx Scrubber Systems Sales Quantity by Country (2018-2023) & (K Units)

Table 95. North America Ship SOx Scrubber Systems Sales Quantity by Country (2024-2029) & (K Units)

Table 96. North America Ship SOx Scrubber Systems Consumption Value by Country (2018-2023) & (USD Million)

Table 97. North America Ship SOx Scrubber Systems Consumption Value by Country (2024-2029) & (USD Million)

Table 98. Europe Ship SOx Scrubber Systems Sales Quantity by Type (2018-2023) & (K Units)

Table 99. Europe Ship SOx Scrubber Systems Sales Quantity by Type (2024-2029) & (K Units)

Table 100. Europe Ship SOx Scrubber Systems Sales Quantity by Application (2018-2023) & (K Units)

Table 101. Europe Ship SOx Scrubber Systems Sales Quantity by Application (2024-2029) & (K Units)

Table 102. Europe Ship SOx Scrubber Systems Sales Quantity by Country (2018-2023) & (K Units)

Table 103. Europe Ship SOx Scrubber Systems Sales Quantity by Country (2024-2029) & (K Units)

Table 104. Europe Ship SOx Scrubber Systems Consumption Value by Country (2018-2023) & (USD Million)

Table 105. Europe Ship SOx Scrubber Systems Consumption Value by Country (2024-2029) & (USD Million)

Table 106. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Type (2018-2023) & (K Units)

Table 107. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Type (2024-2029) & (K Units)

Table 108. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Application (2018-2023) & (K Units)

Table 109. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Application (2024-2029) & (K Units)

Table 110. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Region (2018-2023) & (K Units)

Table 111. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity by Region (2024-2029) & (K Units)

Table 112. Asia-Pacific Ship SOx Scrubber Systems Consumption Value by Region (2018-2023) & (USD Million)

Table 113. Asia-Pacific Ship SOx Scrubber Systems Consumption Value by Region (2024-2029) & (USD Million)

Table 114. South America Ship SOx Scrubber Systems Sales Quantity by Type (2018-2023) & (K Units)

Table 115. South America Ship SOx Scrubber Systems Sales Quantity by Type (2024-2029) & (K Units)

Table 116. South America Ship SOx Scrubber Systems Sales Quantity by Application (2018-2023) & (K Units)

Table 117. South America Ship SOx Scrubber Systems Sales Quantity by Application

(2024-2029) & (K Units)

Table 118. South America Ship SOx Scrubber Systems Sales Quantity by Country (2018-2023) & (K Units)

Table 119. South America Ship SOx Scrubber Systems Sales Quantity by Country (2024-2029) & (K Units)

Table 120. South America Ship SOx Scrubber Systems Consumption Value by Country (2018-2023) & (USD Million)

Table 121. South America Ship SOx Scrubber Systems Consumption Value by Country (2024-2029) & (USD Million)

Table 122. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Type (2018-2023) & (K Units)

Table 123. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Type (2024-2029) & (K Units)

Table 124. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Application (2018-2023) & (K Units)

Table 125. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Application (2024-2029) & (K Units)

Table 126. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Region (2018-2023) & (K Units)

Table 127. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity by Region (2024-2029) & (K Units)

Table 128. Middle East & Africa Ship SOx Scrubber Systems Consumption Value by Region (2018-2023) & (USD Million)

Table 129. Middle East & Africa Ship SOx Scrubber Systems Consumption Value by Region (2024-2029) & (USD Million)

Table 130. Ship SOx Scrubber Systems Raw Material

Table 131. Key Manufacturers of Ship SOx Scrubber Systems Raw Materials

Table 132. Ship SOx Scrubber Systems Typical Distributors

Table 133. Ship SOx Scrubber Systems Typical Customers

## **LIST OF FIGURE**

s

Figure 1. Ship SOx Scrubber Systems Picture

Figure 2. Global Ship SOx Scrubber Systems Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Ship SOx Scrubber Systems Consumption Value Market Share by Type in 2022

Figure 4. Open-Loop Scrubbers Examples

Figure 5. Closed-Loop Scrubbers Examples

- Figure 6. Global Ship SOx Scrubber Systems Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 7. Global Ship SOx Scrubber Systems Consumption Value Market Share by Application in 2022
- Figure 8. Commercial Ships Examples
- Figure 9. Industrial Ships Examples
- Figure 10. Others Examples
- Figure 11. Global Ship SOx Scrubber Systems Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 12. Global Ship SOx Scrubber Systems Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 13. Global Ship SOx Scrubber Systems Sales Quantity (2018-2029) & (K Units)
- Figure 14. Global Ship SOx Scrubber Systems Average Price (2018-2029) & (US\$/Unit)
- Figure 15. Global Ship SOx Scrubber Systems Sales Quantity Market Share by Manufacturer in 2022
- Figure 16. Global Ship SOx Scrubber Systems Consumption Value Market Share by Manufacturer in 2022
- Figure 17. Producer Shipments of Ship SOx Scrubber Systems by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 18. Top 3 Ship SOx Scrubber Systems Manufacturer (Consumption Value) Market Share in 2022
- Figure 19. Top 6 Ship SOx Scrubber Systems Manufacturer (Consumption Value) Market Share in 2022
- Figure 20. Global Ship SOx Scrubber Systems Sales Quantity Market Share by Region (2018-2029)
- Figure 21. Global Ship SOx Scrubber Systems Consumption Value Market Share by Region (2018-2029)
- Figure 22. North America Ship SOx Scrubber Systems Consumption Value (2018-2029) & (USD Million)
- Figure 23. Europe Ship SOx Scrubber Systems Consumption Value (2018-2029) & (USD Million)
- Figure 24. Asia-Pacific Ship SOx Scrubber Systems Consumption Value (2018-2029) & (USD Million)
- Figure 25. South America Ship SOx Scrubber Systems Consumption Value (2018-2029) & (USD Million)
- Figure 26. Middle East & Africa Ship SOx Scrubber Systems Consumption Value (2018-2029) & (USD Million)
- Figure 27. Global Ship SOx Scrubber Systems Sales Quantity Market Share by Type (2018-2029)

Figure 28. Global Ship SOx Scrubber Systems Consumption Value Market Share by Type (2018-2029)

Figure 29. Global Ship SOx Scrubber Systems Average Price by Type (2018-2029) & (US\$/Unit)

Figure 30. Global Ship SOx Scrubber Systems Sales Quantity Market Share by Application (2018-2029)

Figure 31. Global Ship SOx Scrubber Systems Consumption Value Market Share by Application (2018-2029)

Figure 32. Global Ship SOx Scrubber Systems Average Price by Application (2018-2029) & (US\$/Unit)

Figure 33. North America Ship SOx Scrubber Systems Sales Quantity Market Share by Type (2018-2029)

Figure 34. North America Ship SOx Scrubber Systems Sales Quantity Market Share by Application (2018-2029)

Figure 35. North America Ship SOx Scrubber Systems Sales Quantity Market Share by Country (2018-2029)

Figure 36. North America Ship SOx Scrubber Systems Consumption Value Market Share by Country (2018-2029)

Figure 37. United States Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Canada Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Mexico Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Europe Ship SOx Scrubber Systems Sales Quantity Market Share by Type (2018-2029)

Figure 41. Europe Ship SOx Scrubber Systems Sales Quantity Market Share by Application (2018-2029)

Figure 42. Europe Ship SOx Scrubber Systems Sales Quantity Market Share by Country (2018-2029)

Figure 43. Europe Ship SOx Scrubber Systems Consumption Value Market Share by Country (2018-2029)

Figure 44. Germany Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. France Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. United Kingdom Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Russia Ship SOx Scrubber Systems Consumption Value and Growth Rate

(2018-2029) & (USD Million)

Figure 48. Italy Ship SOx Scrubber Systems Consumption Value and Growth Rate

(2018-2029) & (USD Million)

Figure 49. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity Market Share by Type (2018-2029)

Figure 50. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity Market Share by Application (2018-2029)

Figure 51. Asia-Pacific Ship SOx Scrubber Systems Sales Quantity Market Share by Region (2018-2029)

Figure 52. Asia-Pacific Ship SOx Scrubber Systems Consumption Value Market Share by Region (2018-2029)

Figure 53. China Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Japan Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Korea Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. India Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Southeast Asia Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Australia Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. South America Ship SOx Scrubber Systems Sales Quantity Market Share by Type (2018-2029)

Figure 60. South America Ship SOx Scrubber Systems Sales Quantity Market Share by Application (2018-2029)

Figure 61. South America Ship SOx Scrubber Systems Sales Quantity Market Share by Country (2018-2029)

Figure 62. South America Ship SOx Scrubber Systems Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity Market Share by Type (2018-2029)

Figure 66. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa Ship SOx Scrubber Systems Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa Ship SOx Scrubber Systems Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Egypt Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa Ship SOx Scrubber Systems Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Ship SOx Scrubber Systems Market Drivers

Figure 74. Ship SOx Scrubber Systems Market Restraints

Figure 75. Ship SOx Scrubber Systems Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Ship SOx Scrubber Systems in 2022

Figure 78. Manufacturing Process Analysis of Ship SOx Scrubber Systems

Figure 79. Ship SOx Scrubber Systems Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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