

Air Pollution Control Systems Market Report by Product Type (Scrubbers, Thermal Oxidizers, Catalytic Converters, Electrostatic Precipitators, and Others), Application (Chemical, Iron and Steel, Power Generation, Cement, and Others), and Region 2024-2032

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Abstracts

The global air pollution control systems market size reached US\$ 84.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 150.0 Billion by 2032, exhibiting a growth rate (CAGR) of 6.5% during 2024-2032. The implementation of stringent regulations to control air pollution and protect the environment, rapid industrialization, particularly in emerging economies, and considerable rise in public awareness regarding the health hazards of air pollution represent some of the key factors driving the market.

Air pollution control systems, also referred to as air pollution control devices or equipment, are essential technologies that are particularly designed to minimize or prevent the release of air pollutants into the atmosphere. These systems play an instrumental role in reducing the detrimental impacts of air pollution on human health and the environment by capturing, removing, and treating pollutants from various emission sources. To reduce or eliminate the emissions of pollutants, it uses various methods such as filtration, adsorption, absorption, electrostatic precipitation, scrubbing, catalytic conversion, thermal destruction, and monitoring mechanisms to ensure compliance with environmental regulations. Some of the most common pollutants that are targeted and addressed by these systems include particulate matter, sulfur dioxide, nitrogen oxides, and volatile organic compounds. In addition to this, some variants of air pollution control systems incorporate advanced technologies to recover or reuse the air

pollutants to reduce waste levels and promote sustainable development.

Air Pollution Control Systems Market Trends:

The global market is primarily driven by the implementation of stringent regulations to control air pollution and protect the environment by government bodies of several countries. This can be attributed to the increasing prevalence of air pollution along with the rising number of air contaminants across the globe. In line with this, rapid industrialization, particularly in emerging economies is leading to increased industrial activities and power generation, which, in turn, is impelling the market. Moreover, considerable rise in public awareness regarding the health hazards of air pollution is propelling the demand for air pollution control systems. Also, continual advancements in air pollution control technologies such as innovative particulate control devices, flue gas desulfurization (FGD) systems, and selective catalytic reduction (SCR) systems are providing an impetus to the market. The market is further fueled by an enhanced focus on sustainable development, coupled with the uptake of corporate sustainability initiatives by multiple organizations. Apart from this, the paradigm shift towards renewable energy sources, such as wind and solar power, and promoting the usage of clean energy is creating a positive market outlook. Some of the other factors contributing to the market include rapid urbanization, rising sales of ICE vehicles, and extensive research and development (R&D) activities conducted by key players.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global air pollution control systems market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on product type and application.

Product Type Insights:

Scrubbers

Thermal Oxidizers

Catalytic Converters

Electrostatic Precipitators

Others

The report has provided a detailed breakup and analysis of the air pollution control systems market based on the product type. This includes scrubbers, thermal oxidizers, catalytic converters, electrostatic precipitators, and others. According to the report, scrubbers represented the largest segment.

Application Insights:

Chemical
Iron and Steel
Power Generation
Cement
Others

A detailed breakup and analysis of the air pollution control systems market based on the application has also been provided in the report. This includes chemical, iron and steel, power generation, cement, and others. According to the report, power generation accounted for the largest market share.

Regional Insights:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for air pollution control systems. Some of the factors driving the Asia Pacific air pollution control systems market included the implementation of stringent air pollution regulations, rapid industrialization, rising sales of ICE vehicles, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global air pollution control systems market. Detailed profiles of all major companies have been provided. Some of the companies covered include Babcock & Wilcox Enterprises Inc, Beltran Technologies Inc., Elex AG, FLSmidth & Co. A/S, John Wood Group PLC, KC Cottrell Co Ltd, Mitsubishi Heavy Industries Ltd., Monroe Environmental Corp., S.A. Hamon, Southern Environmental Inc., Thermax Ltd, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global air pollution control systems market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global air pollution control systems market?

What is the impact of each driver, restraint, and opportunity on the global air pollution control systems market?

What are the key regional markets?

Which countries represent the most attractive air pollution control systems market?

What is the breakup of the market based on the product type?

Which is the most attractive product type in the air pollution control systems market?

What is the breakup of the market based on the application?

Which is the most attractive application in the air pollution control systems market?

What is the competitive structure of the global air pollution control systems market?

Who are the key players/companies in the global air pollution control systems market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL AIR POLLUTION CONTROL SYSTEMS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Scrubbers
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Thermal Oxidizers
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Catalytic Converters

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Electrostatic Precipitators
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Chemical
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Iron and Steel
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Power Generation
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Cement
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Babcock & Wilcox Enterprises Inc

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.1.3 Financials

13.3.2 Beltran Technologies Inc.

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.3 Elex AG

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.4 FLSmidth & Co. A/S

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.4.3 Financials

13.3.4.4 SWOT Analysis

13.3.5 John Wood Group PLC

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.5.3 Financials

13.3.5.4 SWOT Analysis

13.3.6 KC Cottrell Co Ltd

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.6.3 Financials

13.3.7 Mitsubishi Heavy Industries Ltd.

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.7.3 Financials

13.3.7.4 SWOT Analysis

13.3.8 Monroe Environmental Corp.

13.3.8.1 Company Overview

13.3.8.2 Product Portfolio

13.3.9 S.A. Hamon

13.3.9.1 Company Overview

13.3.9.2 Product Portfolio

13.3.10 Southern Environmental Inc.

13.3.10.1 Company Overview

13.3.10.2 Product Portfolio

13.3.11 Thermax Ltd

13.3.11.1 Company Overview

13.3.11.2 Product Portfolio

13.3.11.3 Financials

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Air Pollution Control Systems Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Air Pollution Control Systems Market Forecast: Breakup by Product Type (in Million US\$), 2024-2032

Table 3: Global: Air Pollution Control Systems Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Air Pollution Control Systems Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Air Pollution Control Systems Market: Competitive Structure

Table 6: Global: Air Pollution Control Systems Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Air Pollution Control Systems Market: Major Drivers and Challenges

Figure 2: Global: Air Pollution Control Systems Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Air Pollution Control Systems Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Air Pollution Control Systems Market: Breakup by Product Type (in %), 2023

Figure 5: Global: Air Pollution Control Systems Market: Breakup by Application (in %), 2023

Figure 6: Global: Air Pollution Control Systems Market: Breakup by Region (in %), 2023

Figure 7: Global: Air Pollution Control Systems (Scrubbers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Air Pollution Control Systems (Scrubbers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Air Pollution Control Systems (Thermal Oxidizers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Air Pollution Control Systems (Thermal Oxidizers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Air Pollution Control Systems (Catalytic Converters) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Air Pollution Control Systems (Catalytic Converters) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Air Pollution Control Systems (Electrostatic Precipitators) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Air Pollution Control Systems (Electrostatic Precipitators) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Air Pollution Control Systems (Other Product Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Air Pollution Control Systems (Other Product Types) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Air Pollution Control Systems (Chemical) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Air Pollution Control Systems (Chemical) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Air Pollution Control Systems (Iron and Steel) Market: Sales Value (in

Million US\$), 2018 & 2023

Figure 20: Global: Air Pollution Control Systems (Iron and Steel) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Air Pollution Control Systems (Power Generation) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Air Pollution Control Systems (Power Generation) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Air Pollution Control Systems (Cement) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Air Pollution Control Systems (Cement) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Air Pollution Control Systems (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Air Pollution Control Systems (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: North America: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: North America: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: United States: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: United States: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Canada: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Canada: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Asia-Pacific: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Asia-Pacific: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: China: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: China: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Japan: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Japan: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: India: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: India: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: South Korea: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: South Korea: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Australia: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Australia: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Indonesia: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Indonesia: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Others: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Others: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Europe: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Europe: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Germany: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Germany: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: France: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: France: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: United Kingdom: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: United Kingdom: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Italy: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Italy: Air Pollution Control Systems Market Forecast: Sales Value (in Million

US\$), 2024-2032

Figure 59: Spain: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Spain: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Russia: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Russia: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Others: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Others: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Latin America: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Latin America: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Brazil: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Brazil: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Mexico: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Mexico: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Others: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Middle East and Africa: Air Pollution Control Systems Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Middle East and Africa: Air Pollution Control Systems Market: Breakup by Country (in %), 2023

Figure 75: Middle East and Africa: Air Pollution Control Systems Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Global: Air Pollution Control Systems Industry: Drivers, Restraints, and Opportunities

Figure 77: Global: Air Pollution Control Systems Industry: Value Chain Analysis

Figure 78: Global: Air Pollution Control Systems Industry: Porter's Five Forces Analysis

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