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Global Gas Cleaning Technologies Market Size study & Forecast, by Product (Scrubbers, Dry Sorbent Injection, Particulate/Dust Collection, Mist, Aerosols, Fine Particulate, NOx Reduction), by End-use (Power Generation, Chemical, Cement, Refinery & Petrochemical, Pulp & Paper, Mining, Textiles, Metals, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Gas Cleaning Technologies Market is valued at approximately USD 31.83 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 4.9% over the forecast period 2023-2030. Gas Cleaning Technologies refer to a variety of processes and technologies employed to remove pollutants, contaminants, and impurities from industrial gases and emissions. These technologies are used to mitigate the environmental impact of industrial activities and ensure compliance with air quality regulations. Gas cleaning technologies are implemented in various industries, including power generation, oil and gas, chemical production, steel manufacturing, waste incineration, and more. The specific choice of gas cleaning technology depends on the composition of the gas stream, the types of pollutants present, and the desired emission standards. The Gas Cleaning Technologies market is expanding because of factors such as rising oil and gas production activities and the development of stringent air pollution control regulations.

Oil production activities often involve the release of associated gases through flaring or venting. Flaring refers to the controlled burning of gases, while venting involves the direct release of gases into the atmosphere. Both practices contribute to air pollution and climate change. Gas cleaning technologies, such as flare gas recovery systems, help capture and treat these gases, reducing flaring and venting and improving overall

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environmental performance. According to the International Energy Agency, report 2021, global oil demand was 91 million barrels per day in 2020, rose to 99.4 million barrels per day in 2022, and is anticipated to reach 104.1 million barrels per day by 2026. Further, the report also states that the worldwide oil production capacity is projected to exceed over 5.9 million barrels per day by the year 2025. Thus, rising oil exploration activities are driving the market growth. In addition, rising industrial activities across the world and rising technological advancement in cleaning technologies are creating new opportunities for market growth. However, the availability of alternative energy sources and high initial investment and operating costs stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Gas Cleaning Technologies Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to factors such as alarmingly rising levels of air pollution, which are mostly caused by the agricultural and industrial sectors. As the practice of contract manufacturing gains popularity, several nations in the area are emerging as major centers of manufacturing for large international companies. This is prompting increased attempts to use cutting-edge technologies, such as selective catalytic reduction, wet scrubbers, filtration, and dust collectors, to reduce the concentration of air-polluting compounds in the ambient air. Whereas, Europe is projected to grow significantly owing to factors such as the expansion of industrial activities, along with the new reforms in the regulatory framework in the region, which is likely to augment the demand for gas-cleaning technologies over the forecast period.

Major market player included in this report are:

Babcock & Wilcox Enterprises, Inc.

Evoqua Water Technologies LLC

Fuji Electric Co., Ltd.

Hitachi Zosen Inova AG

KCH Services Inc.

Nederman Holding AB

Tri-Mer Corporation

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Verantis Environmental Solutions Group

Yara Marine Technologies

Elessent Clean Technologies Inc.

Recent Developments in the Market:

In December 2022, Metso Outotec announced the launch of a digital Optimizer for its wet gas cleaning solution, the Editube™ Wet Electrostatic Precipitator (WESP). The new WESP Optimizer improves the operation of the WESP section by better adjusting it to changes in the overall process..

Global Gas Cleaning Technologies Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Product, End-use, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries

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involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Scrubbers

Dry Sorbent Injection

Particulate/Dust Collection

Mist, Aerosols, Fine Particulate

NOx Reduction

By End-use:

Power Generation

Chemical

Cement

Refinery & Petrochemical

Pulp & Paper

Mining

Textiles

Metals

Others

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By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

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Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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