

Global Gas Delivery Cabinet Systems Market Size study & Forecast, by Type (BF3, B2H6, AsH3 and Others), by Application (Semiconductor, Microelectronics, Photovoltaic and Others) and Regional Analysis, 2023-2030

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Abstracts

Global Gas Delivery Cabinet Systems Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Gas delivery cabinet systems, also known as gas distribution or gas supply systems, are specialized equipment designed to safely store, regulate, and distribute gases to various points of use within a facility. These systems play a crucial role in industries such as healthcare, laboratories, manufacturing, and research, where a reliable and controlled supply of gases is essential. Maintaining the purity and quality of gases is crucial in industries such as healthcare, laboratories, and semiconductor manufacturing. Gas delivery cabinet systems incorporate filtration and purification mechanisms to remove impurities, moisture, or particulate matter from the delivered gases. By preventing contamination, these systems ensure the reliability and integrity of critical processes, experiments, or equipment.

Gas delivery cabinet systems are instrumental in power plants, providing a controlled gas supply for electricity generation. According to the International Energy Agency (IEA), natural gas-fired power plants accounted for 23% of global electricity generation in 2020, highlighting the significant role of gas in the energy mix. Gas delivery cabinet systems ensure the reliable delivery of natural gas or other fuel gases to boilers, turbines, and fuel cells, supporting efficient power production. Moreover, cogeneration and CHP systems offer simultaneous electricity and heat generation, maximizing energy efficiency. According to the International District Energy Association (IDEA), cogeneration plants supplied 11% of total global electricity and 15% of global heat in

2020. Gas delivery cabinet systems play a crucial role in these systems, providing a reliable supply of fuel gases for cogeneration units, and contributing to the efficient utilization of energy resources.

The key regions considered for the Global Gas Delivery Cabinet Systems Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America has a significant market for gas delivery cabinet systems, driven by the presence of a robust energy sector, including conventional and renewable power generation. The United States is a key player in the region, with a substantial demand for gas delivery cabinet systems in power plants, refineries, and industrial facilities. According to the U.S. Energy Information Administration (EIA), natural gas accounted for 40% of electricity generation in the United States in 2020, indicating the importance of gas delivery cabinet systems in the energy mix. Growing investments in renewable energy, such as wind and solar, are also driving the demand for gas delivery cabinet systems in North America.

Europe has a mature energy market with a strong emphasis on energy efficiency and sustainability. Countries such as Germany, the United Kingdom, and France are leading adopters of gas delivery cabinet systems, especially in power generation and industrial applications. Europe has been focusing on the transition to cleaner energy sources, leading to the increased use of natural gas and the need for reliable gas delivery infrastructure. According to Eurostat, natural gas accounted for 22.5% of total electricity generation in the European Union in 2019, indicating the relevance of gas delivery cabinet systems in the region.

Major market player included in this report are:

Air Liquide SA

Praxair, Inc. (now part of Linde plc)

Air Products and Chemicals, Inc.

Matheson Tri-Gas, Inc.

Amico Corporation

GCE Group

BeaconMed's (Part of Atlas Copco Group)

Advanced Research Systems, Inc.

AES Clean Technology, Inc.

Moduflex Ltd.

Global Gas Delivery Cabinet Systems 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 – Type, Application and 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 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 Type:

BF3

B2H6

AsH3

Others

By Application:

Semiconductor

Microelectronics

Photovoltaic

Others

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

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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