

# **Global Blue Ammonia Market Size study & Forecast, by Technology (Steam methane reforming, Autothermal reforming, Gas partial oxidation) by Application (Transportation, Power Generation, Industrial Feedstock) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Blue Ammonia Market is valued approximately at 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. Blue ammonia is produced through a process that involves carbon capture and storage (CCS) technologies, aiming to minimize carbon dioxide (CO<sub>2</sub>) emissions associated with traditional ammonia production methods. The key factors driving the market growth are rising focus on reducing greenhouse gas emissions, growing efforts towards empowering hydrogen economy, increasing demand for eco-friendly fertilizers and government investments in commercialization of emission control technologies which is anticipated to support the market growth during forecast period 2023-2030.

Additionally, the growing interest in clean hydrogen as a versatile energy carrier has a positive impact on the blue ammonia market. Blue ammonia is a source of clean hydrogen, and its applications in various industries, including transportation and energy storage, contribute to market growth. According to Statista, in 2018, the global hydrogen production was 60 million metric tons and it is anticipated to reach 300 million metric tons by 2030. As a result, the rising demand for the hydrogen is anticipated to support the market growth. Moreover, growing demand for blue ammonia to generate power, and potential of blue ammonia as maritime fuel is anticipated to create lucrative market growth opportunities during forecast period. However, the high cost associated with

infrastructure set up for blue ammonia production stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Blue Ammonia Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the increased focus on sustainability and the transition towards renewable energy sources, supportive government regulations and policies, and investments in carbon capture and storage technologies. Whereas, the Asia Pacific region is expected to grow with the highest CAGR during the forecast period, owing to factors such as the increasing environmental concerns and stringent regulations on emissions, government policies and incentives, and increasing awareness and demand for sustainable products among consumers and businesses can drive industries to adopt environment friendly alternatives, such as Blue Ammonia, to meet market expectations.

Major market player included in this report are:

Yara International (Norway)

Saudi Arabian Oil Co. (Saudi Arabia)

CF Industries Holdings, Inc. (US)

QATAR fertiliser company (QAFCO) (Qatar)

ExxonMobil Corporation (US)

ITOCHU Corporation (Japan)

Tecnicas Reunidas S. A. (Spain)

PAO NOVATEK (Russia)

ADNOC Group (UAE)

Linde plc (Ireland)

Recent Developments in the Market:

In June 2023, Yara International ASA and BASF collaborated to develop and build a world-scale low-carbon blue ammonia production facility with carbon capture in the Gulf Coast region of the United States. To meet the expanding worldwide demand for low-carbon ammonia, the companies are investigating the possibility of a facility with a total capacity of 1.2 to 1.4 million tons annually.

#### Global Blue Ammonia 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 – Technology, Application, 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 Technology:**

Steam methane reforming

Autothermal reforming

Gas partial oxidation

**By Application:**

Transportation

Power Generation

Industrial Feedstock

**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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