

Global Clean Energy Ammonia Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Clean Energy Ammonia market size was valued at US\$ 212 million in 2025 and is forecast to a readjusted size of US\$ 373 million by 2032 with a CAGR of 8.0% during review period.

In 2025, global Clean Energy Ammonia approximately 180,316 tons, with an average global market price of around US\$ 1145 per ton. Gross margin is about 47%. The cost is 607 usd. The Production is about 200,000 tons. Clean Energy Ammonia refers to ammonia used as a low-carbon or zero-carbon energy carrier, mainly including green ammonia and blue ammonia. Green ammonia is produced by synthesizing ammonia from hydrogen generated with renewable electricity, resulting in lower carbon emissions, while blue ammonia is produced from fossil-based hydrogen combined with carbon capture, utilization, and storage technologies to reduce emissions. In addition to traditional fertilizer and chemical feedstock uses, clean energy ammonia can serve as a hydrogen carrier, marine fuel, coal-fired power co-firing fuel, industrial boiler fuel, and low-carbon energy source for energy-intensive sectors such as steel and chemicals, making it an important pathway for energy transition and industrial decarbonization.

Clean energy ammonia will develop toward large-scale production, fuel-based applications, global trade, and low-carbon certification systems. As emission reduction demand rises in shipping, power generation, chemicals, and steel industries, ammonia will gradually expand from a traditional chemical feedstock into a clean fuel and hydrogen carrier. Green ammonia will benefit from declining costs of renewable energy, water electrolysis, and ammonia synthesis technologies, while blue ammonia is likely to commercialize earlier in regions with abundant natural gas resources and mature CCUS conditions. Future market priorities will focus on reducing production costs, improving

ammonia combustion safety, building port storage and transportation infrastructure, securing long-term international offtake agreements, establishing carbon footprint accounting, and developing low-carbon certification standards. Overall, clean energy ammonia is expected to move from demonstration projects toward industrial-scale deployment and become an important component of global low-carbon energy trade.

This report is a detailed and comprehensive analysis for global Clean Energy Ammonia market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Clean Energy Ammonia market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Clean Energy Ammonia market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Clean Energy Ammonia market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Clean Energy Ammonia market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Clean Energy Ammonia

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Clean Energy Ammonia market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Yara International, CF Industries, OCI Global, Nutrien, EuroChem, Saudi Aramco, Qatar Fertiliser Company, Ma'aden, PAO NOVATEK, ADNOC Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Clean Energy Ammonia market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hydrogen Production via Water Electrolysis + Nitrogen Synthesis (Green Ammonia)

Natural Gas Steam Reforming + CCS (Blue Ammonia)

Natural Gas Steam Reforming, without CCS (Grey Ammonia)

Market segment by Parameter

Low-calorific-value NH₃ fuel: 17 MJ/kg

Medium-calorific-value NH₃ fuel: 17-19 MJ/kg

High-calorific-value NH₃ fuel: 19-22 MJ/kg

Market segment by Application

Power Generating

Ship Fuel

Industrial Heat Sources

Other

Major players covered

Yara International

CF Industries

OCI Global

Nutrien

EuroChem

Saudi Aramco

Qatar Fertiliser Company

Ma'aden

PAO NOVATEK

ADNOC Group

LSB Industries

Equinor

Uniper

IHI Corporation

Mitsubishi Heavy Industries

Air Products

Haldor Topsoe

thyssenkrupp Industrial Solutions

Black & Veatch

CNPC

Toyo Engineering Corporation

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 Clean Energy Ammonia product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Clean Energy Ammonia, with price, sales quantity, revenue, and global market share of Clean Energy Ammonia from 2021 to 2026.

Chapter 3, the Clean Energy Ammonia competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Clean Energy Ammonia breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Clean Energy Ammonia market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Clean Energy Ammonia.

Chapter 14 and 15, to describe Clean Energy Ammonia sales channel, distributors, customers, research findings and conclusion.

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