

Global Low-carbon Clean 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 Low-carbon Clean 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 Low-carbon Clean 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. Low-carbon Clean Ammonia refers to ammonia produced, transported, and used with significantly reduced carbon emissions. It mainly includes blue ammonia and green ammonia. Blue ammonia is typically produced from natural gas-based hydrogen combined with carbon capture, utilization, and storage (CCUS), while green ammonia is produced using renewable electricity to generate hydrogen through water electrolysis, followed by ammonia synthesis with nitrogen. Low-carbon clean ammonia can be used as fertilizer and chemical feedstock, as well as a hydrogen carrier, marine fuel, power co-firing fuel, and industrial decarbonization energy source, making it an important product in the energy transition and low-carbon chemical value chain.

Low-carbon clean ammonia is expected to develop toward large-scale production, energy-related applications, and global trade infrastructure. As emission reduction pressure increases in power generation, shipping, chemicals, steel, and other heavy industries, clean ammonia will expand beyond traditional fertilizer and chemical feedstock uses into fuel and hydrogen carrier applications. Green ammonia projects will benefit from declining costs of renewable energy, electrolyzers, and ammonia synthesis technologies, while blue ammonia is likely to commercialize earlier in regions with abundant natural gas resources and strong CCUS capabilities. Future competition will

focus on low-carbon certification, carbon footprint accounting, transportation and storage safety, port receiving infrastructure, and long-term offtake agreements. Overall, low-carbon clean ammonia will gradually move from demonstration projects to industrial-scale deployment and play a larger role in global energy trade and industrial decarbonization.

This report is a detailed and comprehensive analysis for global Low-carbon Clean 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 Low-carbon Clean Ammonia market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Low-carbon Clean 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 Low-carbon Clean 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 Low-carbon Clean 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 Low-carbon Clean 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 Low-carbon Clean 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

Low-carbon Clean 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: 19 MJ/kg

High-calorific-value NH₃ fuel: 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 Low-carbon Clean Ammonia product scope, market overview, market estimation caveats and base year.

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

Chapter 3, the Low-carbon Clean Ammonia competitive situation, sales quantity,

revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Low-carbon Clean 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 Low-carbon Clean 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 Low-carbon Clean Ammonia.

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

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