

Global Low-carbon Ammonia Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Low-carbon Ammonia market size is expected to reach \$ 337 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

Low-carbon ammonia refers to ammonia produced with significantly reduced greenhouse gas emissions compared to conventional processes. It typically includes blue ammonia (produced from natural gas with carbon capture and storage, CCS) and green ammonia (produced using renewable electricity via electrolysis). Low-carbon ammonia plays a critical role in decarbonizing hard-to-abate sectors, serving as a clean fuel, hydrogen carrier, and sustainable feedstock for fertilizers and chemicals. In 2025, global Low-carbon Ammonia production reached approximately 243 k tons, with an average global market price of around 900 USD/ton. The production capacity for Low-carbon Ammonia in 2025 was approximately 250 k tons,. The typical gross profit margin for Low-carbon Ammonia between 20% and 40%.

The low-carbon ammonia market is driven by global decarbonization targets, increasing demand for clean fuels, and the expansion of hydrogen economy infrastructure. Key growth areas include marine fuel, power generation, and hydrogen transport. While policy support and carbon pricing mechanisms are accelerating adoption, the market still faces challenges such as high production costs, infrastructure limitations, and competition from alternative low-carbon energy carriers.

This report studies the global Low-carbon Ammonia production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Low-carbon Ammonia and provides market size (US\$ million) and Year-over-Year (YoY)

Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Low-carbon Ammonia that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Low-carbon Ammonia total production and demand, 2021-2032, (Kilotons)

Global Low-carbon Ammonia total production value, 2021-2032, (USD Million)

Global Low-carbon Ammonia production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Low-carbon Ammonia consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Low-carbon Ammonia domestic production, consumption, key domestic manufacturers and share

Global Low-carbon Ammonia production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Low-carbon Ammonia production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Low-carbon Ammonia production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Low-carbon Ammonia market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Low-carbon Ammonia market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the

forecast year.

Global Low-carbon Ammonia Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Low-carbon Ammonia Market, Segmentation by Type:

Low-Capture Blue Ammonia (~50?70%)

Medium Capture Rate (70?90%)

High Capture Rate (>90%)

Global Low-carbon Ammonia Market, Segmentation by Carbon Capture Methods:

CCS?Carbon Capture & Storage?

CCUS

Global Low-carbon Ammonia Market, Segmentation by Feedstock Pathways:

Steam Methane Reforming

Autothermal Reforming

Others

Global Low-carbon Ammonia Market, Segmentation by Application:

Energy and Fuel Industry

Fertilizer Industry

Chemicals and Industrial Raw Materials

Energy Storage and Systems

Others

Companies Profiled:

Yara International

CF Industries

OCI Global

Nutrien

EuroChem

Saudi Aramco

Qatar Fertiliser Company

Ma'aden

PAO NOVATEK

ADNOC Group

LSB Industries

Equinor

Uniper

Key Questions Answered:

1. How big is the global Low-carbon Ammonia market?
2. What is the demand of the global Low-carbon Ammonia market?
3. What is the year over year growth of the global Low-carbon Ammonia market?
4. What is the production and production value of the global Low-carbon Ammonia market?
5. Who are the key producers in the global Low-carbon Ammonia market?
6. What are the growth factors driving the market demand?

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