

Global Clean Ammonia Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G37BC6357ECDEN.html>

Date: June 2026

Pages: 170

Price: US\$ 4,480.00 (Single User License)

ID: G37BC6357ECDEN

Abstracts

The global Clean Ammonia market size is expected to reach \$ 373 million by 2032, rising at a market growth of 8.0% CAGR during the forecast period (2026-2032).

In 2025, global 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. Clean Ammonia is a low- or zero-carbon ammonia fuel, typically produced via green hydrogen (electrolysis of water using renewable energy) or fossil fuel-derived hydrogen with carbon capture and storage (CCS). Clean ammonia can be directly combusted as a fuel or converted into electricity in fuel cells, and is suitable for power generation, marine propulsion, and industrial heat applications. Its core goal is to replace conventional high-carbon fossil fuels, achieve low- or zero-carbon emissions, and support carbon neutrality and the hydrogen economy.

The future development of clean ammonia will focus on optimizing green hydrogen production, improving combustion efficiency, building safe storage and transport systems, and promoting fuel cell applications. With the push for carbon neutrality and growing demand for zero-carbon energy, the clean ammonia value chain will gradually mature, covering production, storage, transportation, and end-use applications. Technological innovations will reduce production costs, enhance energy efficiency, and promote widespread adoption in power generation, marine, and industrial sectors.

This report studies the global Clean Ammonia production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Clean

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 Clean Ammonia that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Clean Ammonia total production and demand, 2021-2032, (Tons)

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

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

Global Clean Ammonia consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Clean Ammonia domestic production, consumption, key domestic manufacturers and share

Global Clean Ammonia production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Clean Ammonia production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Clean Ammonia production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Clean 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 Clean Ammonia market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) 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 Clean Ammonia Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Clean Ammonia Market, Segmentation by Type:

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

Natural Gas Steam Reforming + CCS (Blue Ammonia)

Natural Gas Steam Reforming without CCS (Gray Ammonia)

Global Clean Ammonia Market, Segmentation by Parameter:

Low Calorific Value Ammonia Fuel: 17 MJ/kg

Medium Calorific Value Ammonia Fuel: 17-19 MJ/kg

High Calorific Value Ammonia Fuel: 19-22 MJ/kg

Global Clean Ammonia Market, Segmentation by Status:

Liquid

Gaseous

Global Clean Ammonia Market, Segmentation by Application:

Power Generation

Marine Fuel

Industrial Heat Sources

Other

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

IHI Corporation

Mitsubishi Heavy Industries

Air Products

Haldor Topsoe

thyssenkrupp Industrial Solutions

Black & Veatch

CNPC

Toyo Engineering Corporation

Key Questions Answered:

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

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