

Global Clean Energy Ammonia Market Growth 2026-2032

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Abstracts

The global Clean Energy Ammonia market size is predicted to grow from US\$ 202 million in 2025 to US\$ 365 million in 2032; it is expected to grow at a CAGR of 8.5% from 2026 to 2032.

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.

LP Information, Inc. (LPI) ' newest research report, the "Clean Energy Ammonia Industry Forecast" looks at past sales and reviews total world Clean Energy Ammonia sales in 2025, providing a comprehensive analysis by region and market sector of projected Clean Energy Ammonia sales for 2026 through 2032. With Clean Energy Ammonia sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Clean Energy Ammonia industry.

This Insight Report provides a comprehensive analysis of the global Clean Energy Ammonia landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Clean Energy Ammonia portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Clean Energy Ammonia market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Clean Energy Ammonia and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Clean Energy Ammonia.

This report presents a comprehensive overview, market shares, and growth opportunities of Clean Energy Ammonia market by product type, application, key manufacturers and key regions and countries.

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 (Grey Ammonia)

Segmentation 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

Segmentation by Application:

Power Generating

Ship Fuel

Industrial Heat Sources

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global Clean Energy Ammonia market?

What factors are driving Clean Energy Ammonia market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Clean Energy Ammonia market opportunities vary by end market size?

How does Clean Energy Ammonia break out by Type, by Application?

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