

# Global Low-carbon Ammonia Fuel 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 Ammonia Fuel 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.

Low-carbon ammonia fuel is a clean energy fuel based on ammonia (NH<sub>3</sub>) with significantly lower carbon emissions than traditional fossil fuels. Ammonia can be directly combusted or converted into electricity in fuel cells, and it is suitable for power generation, marine propulsion, and industrial heat applications. Low-carbon ammonia is typically produced via green hydrogen (water electrolysis) combined with nitrogen from the air, achieving a low-carbon production process. It is a key fuel in the global transition to low-carbon energy and the hydrogen economy.

In 2025, global Low-carbon Ammonia Fuel 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. The future development of low-carbon ammonia fuel will focus on green hydrogen production, combustion efficiency optimization, safe storage and transport, and ammonia energy application systems. With carbon neutrality policies and the promotion of zero-carbon ships and distributed energy systems, the ammonia fuel value chain will become more integrated, including production, storage, transport, and combustion technologies. Technological innovation will improve combustion efficiency, reduce nitrogen oxide emissions, and promote diversified applications such as fuel cells and internal combustion engines.

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

Global Low-carbon Ammonia Fuel 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 Ammonia Fuel 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 Ammonia Fuel 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 Ammonia Fuel
- 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 Ammonia Fuel 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 Ammonia Fuel 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 (Gray Ammonia)

### Market segment by Parameter

Low Calorific Value Ammonia Fuel: <math>?17\text{ MJ/kg}</math>

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

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

### Market segment by Application

Power Generation

Marine 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 Ammonia Fuel product scope, market overview, market estimation caveats and base year.

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

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

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

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

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