

# Green Ammonia Market Size on Track to Achieve USD 32,572.91 Million Value by 2032 with a 69.6% CAGR

The growing demand for marine fuel is driving the market demand.

NEW YORK CITY, NY, UNITED STATES, January 15, 2025 /EINPresswire.com/ -- Our [green ammonia market](#) report has been prepared using advanced methodologies and research techniques to help businesses make strategic business decisions.



Green ammonia is an offshoot of ammonia generated utilizing renewable energy sources that are acquiring momentum as a legitimate option to conventional ammonia."

*Polaris Market Research*

According to Polaris Market Research predictions, the green ammonia market size was valued at USD 281.16 million in 2023. The market is anticipated to grow to USD 32,572.91 million by 2032, exhibiting a CAGR of 69.6% during the forecast period.

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Ammonia is an acrid gas that is broadly utilized to render agricultural fertilizers. Green ammonia production is where

the procedure of rendering ammonia is 100% renewable and carbon liberated. One procedure for making green ammonia is by utilizing hydrogen from water electrolysis and nitrogen segregated from air.

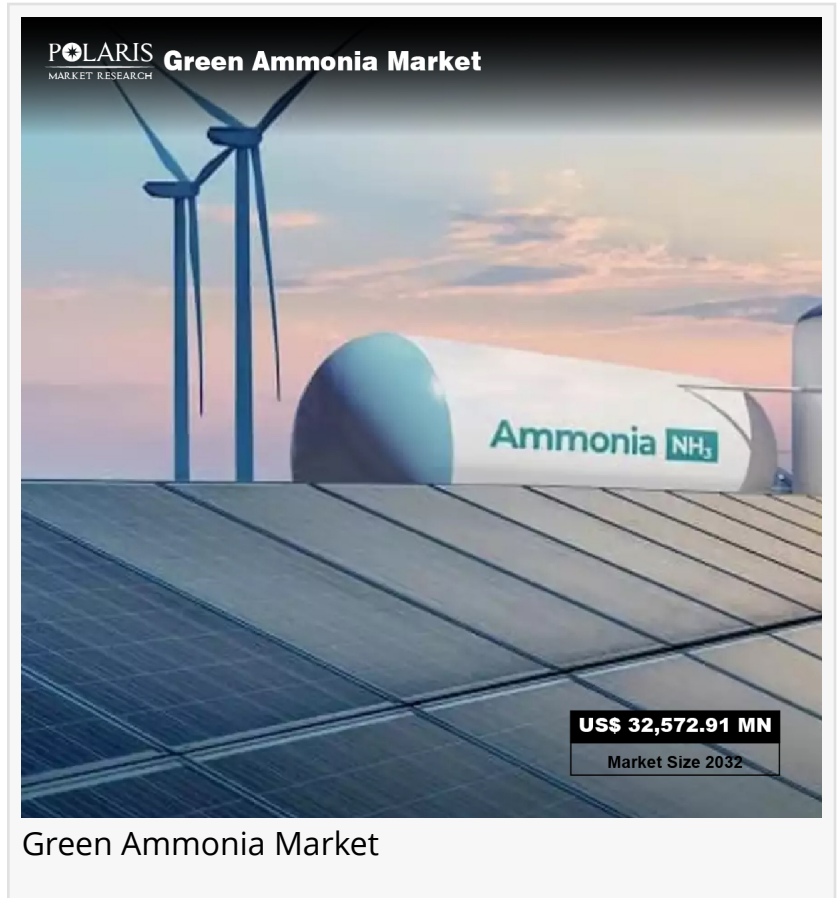
These are then catered into the Haber process all fuelled by justifiable electricity. In the Haber procedure, hydrogen and nitrogen are reacted cohesively at elevated temperatures and pressures to generate ammonia and NH<sub>3</sub>. Green ammonia is synthesized utilizing hydrogen created from water electrolysis fuelled by justifiable energy sources such as wind, solar, and hydroelectric power, pushing the green ammonia market demand.

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- ACME Group
- Yara
- Siemens Energy
- First Ammonia
- Starfire Energy
- ENGIE
- CF Industries Holdings, Inc.
- Uniper SE
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- BASF
- Allied Green Ammonia Pty Ltd
- ThyssenKrupp AG
- Nel ASA
- ITM Power
- Green Hydrogen Systems



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• Growing Favourable Directives: The growing approved orders and directives connected to low carbon discharge globally are pushing the market. Executive reinforcement stimulates funding for research and development of green ammonia-making and usage technologies, boosting the demand for green ammonia market growth.

• Increasing Demand for Sustainable Fertilizers: The growing demand for sustainable fertilizers globally is expected to fuel the market. Growing consciousness of the ecological influence of conventional fertilizers propels farmers and agricultural businesses to look for more sustainable options. Green ammonia, which is contemplated more legitimate than conventional fertilizers, is utilized as a nitrogen source in fertilizers conforming to the sustainability objectives of farmers.

• Technological Progressions: The growing progression in technology is anticipated to push the market. Inventions in electrolysis and nitrogen fixation technologies render the making of green ammonia productive and economical rendering it a more alluring alternative for industries looking for sustainable fuels.

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Green Ammonia Market, Technology Outlook (Revenue - USD Million, 2019-2032)

- Proton Exchange Membrane
- Alkaline Water Electrolysis
- Solid Oxide Electrolysis

#### Green Ammonia Market, End-Use Outlook (Revenue - USD Million, 2019-2032)

- Power Generation
- Transportation
- Industrial Feedstock
- Agriculture
- Others

- The green ammonia market segmentation is based on technology, end use, and region.
- By technology analysis, the proton exchange membrane segment held the largest market share. This is due to its elevated productivity and speedy response to differing loads.
- By end-use analysis, the transportation segment is poised to register a significant CAGR. This is due to the pressing requirement for justifiable fuel options in the shipping and logistics industries.

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The research report covers all the major regions and sub-regions of the green ammonia market. The study provides market insights into North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa.

- North America: North America accounted for the largest market share. This is primarily because of the robust influence on energy invention and sustainability. The US especially spearheaded this capability by funding massively renewable energy projects and technologies that utilize ammonia as a cleaner fuel option.
- Asia Pacific: Asia Pacific is anticipated to witness the fastest CAGR from 2024 to 2032. The region's growing industrialization and surging energy demands in nations such as China and India.

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How much is the green ammonia market?

The market size was valued at USD 281.16 million in 2023 and is projected to grow to USD 32,572.91 million by 2032.

What does the green ammonia market report cover?

The report covers revenue forecast, market competitive landscape, growth factors, and trends.

How is the market segmentation done in the market?

The market is segmented by technology, end use, and region.

What is the growth rate of the market?

The global market is projected to register a CAGR of 69.6% during 2023–2032.

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Likhil G

Polaris Market Research and Consulting

+1 929-297-9727

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