

Global Low-Temperature Ammonia-To-Hydrogen Technology Market Growth (Status and Outlook) 2025-2031

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Abstracts

According to this study, the global Low-Temperature Ammonia-To-Hydrogen Technology market size will reach US\$ 752 million by 2031.

Low-Temperature Ammonia Cracking for Hydrogen Production is a process that decomposes ammonia (NH₃) into hydrogen (H₂) and nitrogen (N₂) at relatively lower temperatures. This method relies on advanced catalysts to reduce the reaction temperature while maintaining high hydrogen yield and energy efficiency. Compared to conventional high-temperature cracking, the low-temperature approach offers advantages such as reduced energy consumption, less demanding material requirements, and faster system startup. It is especially suitable for decentralized hydrogen production, portable energy systems, and clean energy supply in carbon-neutral applications, making it a key emerging technology in the green hydrogen sector.

LPI (LP Information)' newest research report, the "Low-Temperature Ammonia-To-Hydrogen Technology Industry Forecast" looks at past sales and reviews total world Low-Temperature Ammonia-To-Hydrogen Technology sales in 2024, providing a comprehensive analysis by region and market sector of projected Low-Temperature Ammonia-To-Hydrogen Technology sales for 2025 through 2031. With Low-Temperature Ammonia-To-Hydrogen Technology sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Low-Temperature Ammonia-To-Hydrogen Technology industry.

This Insight Report provides a comprehensive analysis of the global Low-Temperature Ammonia-To-Hydrogen Technology landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest

development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Low-Temperature Ammonia-To-Hydrogen Technology portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Low-Temperature Ammonia-To-Hydrogen Technology market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Low-Temperature Ammonia-To-Hydrogen Technology 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 Low-Temperature Ammonia-To-Hydrogen Technology.

This report presents a comprehensive overview, market shares, and growth opportunities of Low-Temperature Ammonia-To-Hydrogen Technology market by product type, application, key players and key regions and countries.

Segmentation by Type:

Cracker

Catalyst

Segmentation by Application:

Ship

Automobile

Others

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 analyzing the company's coverage, product portfolio, its market penetration.

H2SITE

AFC Energy

KBR

Johnson Matthey

Topsoe

Metacon

Heraeus

Clariant

Amogy

Starfire Energy

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size 2025-2031
 - 2.1.2 Low-Temperature Ammonia-To-Hydrogen Technology Market Size CAGR by Region
- 2.2 Low-Temperature Ammonia-To-Hydrogen Technology Segment by Type
 - 2.2.1 Cracker
 - 2.2.2 Catalyst
- 2.3 Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type
 - 2.3.1 Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Type (2025-2031)
 - 2.3.2 Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth Rate by Type (2025-2031)
- 2.4 Low-Temperature Ammonia-To-Hydrogen Technology Segment by Application
 - 2.4.1 Ship
 - 2.4.2 Automobile
 - 2.4.3 Others
- 2.5 Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031)
 - 2.5.1 Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)
 - 2.5.2 Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth Rate by Application (2025-2031)

3 LOW-TEMPERATURE AMMONIA-TO-HYDROGEN TECHNOLOGY KEY PLAYERS

- 3.1 Date of Key Players Enter into Low-Temperature Ammonia-To-Hydrogen Technology
- 3.2 Key Players Low-Temperature Ammonia-To-Hydrogen Technology Product Offered
- 3.3 Key Players Low-Temperature Ammonia-To-Hydrogen Technology Funding/Investment Analysis
- 3.4 Funding/Investment
 - 3.4.1 Funding/Investment by Regions
 - 3.4.2 Funding/Investment by End-Industry
- 3.5 Key Players Low-Temperature Ammonia-To-Hydrogen Technology Valuation & Market Capitalization
- 3.6 Key Players Mergers & Acquisitions, Expansion Plans
- 3.7 Market Ranking
- 3.8 New Product/Technology Launches
- 3.9 Partnerships, Agreements, and Collaborations
- 3.10 Mergers and Acquisitions

4 LOW-TEMPERATURE AMMONIA-TO-HYDROGEN TECHNOLOGY BY REGIONS

- 4.1 Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Regions (2025-2031)
- 4.2 United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth (2025-2031)
- 4.3 China Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth (2025-2031)
- 4.4 Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth (2025-2031)
- 4.5 Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth (2025-2031)

5 UNITED STATES

- 5.1 United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031)
- 5.2 United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031)

6 EUROPE

6.1 Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031)

6.2 Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031)

7 CHINA

7.1 China Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031)

7.2 China Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031)

8 REST OF WORLD

8.1 Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031)

8.2 Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031)

8.3 Japan

8.4 South Korea

8.5 Southeast Asia

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 KEY INVESTORS IN LOW-TEMPERATURE AMMONIA-TO-HYDROGEN TECHNOLOGY

10.1 Company A

10.1.1 Company A Company Details

10.1.2 Company Description

10.1.3 Companies Invested by Company A

10.1.4 Company A Key Development and Market Layout

10.2 Company B

10.2.1 Company B Company Details

10.2.2 Company Description

- 10.2.3 Companies Invested by Company B
- 10.2.4 Company B Key Development and Market Layout
- 10.3 Company C
 - 10.3.1 Company C Company Details
 - 10.3.2 Company Description
 - 10.3.3 Companies Invested by Company C
 - 10.3.4 Company C Key Development and Market Layout
- 10.4 Company D
- 10.5

11 KEY PLAYERS ANALYSIS

- 11.1 H2SITE
 - 11.1.1 H2SITE Company Details
 - 11.1.2 H2SITE Low-Temperature Ammonia-To-Hydrogen Technology Product Offered
 - 11.1.3 H2SITE Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)
 - 11.1.4 H2SITE Main Business Overview
 - 11.1.5 H2SITE News
- 11.2 AFC Energy
 - 11.2.1 AFC Energy Company Details
 - 11.2.2 AFC Energy Low-Temperature Ammonia-To-Hydrogen Technology Product Offered
 - 11.2.3 AFC Energy Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)
 - 11.2.4 AFC Energy Main Business Overview
 - 11.2.5 AFC Energy News
- 11.3 KBR
 - 11.3.1 KBR Company Details
 - 11.3.2 KBR Low-Temperature Ammonia-To-Hydrogen Technology Product Offered
 - 11.3.3 KBR Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)
 - 11.3.4 KBR Main Business Overview
 - 11.3.5 KBR News
- 11.4 Johnson Matthey
 - 11.4.1 Johnson Matthey Company Details
 - 11.4.2 Johnson Matthey Low-Temperature Ammonia-To-Hydrogen Technology Product Offered
 - 11.4.3 Johnson Matthey Low-Temperature Ammonia-To-Hydrogen Technology Market

Size (2024 VS 2030)

11.4.4 Johnson Matthey Main Business Overview

11.4.5 Johnson Matthey News

11.5 Topsoe

11.5.1 Topsoe Company Details

11.5.2 Topsoe Low-Temperature Ammonia-To-Hydrogen Technology Product Offered

11.5.3 Topsoe Low-Temperature Ammonia-To-Hydrogen Technology Market Size
(2024 VS 2030)

11.5.4 Topsoe Main Business Overview

11.5.5 Topsoe News

11.6 Metacon

11.6.1 Metacon Company Details

11.6.2 Metacon Low-Temperature Ammonia-To-Hydrogen Technology Product
Offered

11.6.3 Metacon Low-Temperature Ammonia-To-Hydrogen Technology Market Size
(2024 VS 2030)

11.6.4 Metacon Main Business Overview

11.6.5 Metacon News

11.7 Heraeus

11.7.1 Heraeus Company Details

11.7.2 Heraeus Low-Temperature Ammonia-To-Hydrogen Technology Product
Offered

11.7.3 Heraeus Low-Temperature Ammonia-To-Hydrogen Technology Market Size
(2024 VS 2030)

11.7.4 Heraeus Main Business Overview

11.7.5 Heraeus News

11.8 Clariant

11.8.1 Clariant Company Details

11.8.2 Clariant Low-Temperature Ammonia-To-Hydrogen Technology Product Offered

11.8.3 Clariant Low-Temperature Ammonia-To-Hydrogen Technology Market Size
(2024 VS 2030)

11.8.4 Clariant Main Business Overview

11.8.5 Clariant News

11.9 Amogy

11.9.1 Amogy Company Details

11.9.2 Amogy Low-Temperature Ammonia-To-Hydrogen Technology Product Offered

11.9.3 Amogy Low-Temperature Ammonia-To-Hydrogen Technology Market Size
(2024 VS 2030)

11.9.4 Amogy Main Business Overview

11.9.5 Amogy News

11.10 Starfire Energy??

11.10.1 Starfire Energy?? Company Details

11.10.2 Starfire Energy?? Low-Temperature Ammonia-To-Hydrogen Technology

Product Offered

11.10.3 Starfire Energy?? Low-Temperature Ammonia-To-Hydrogen Technology

Market Size (2024 VS 2030)

11.10.4 Starfire Energy?? Main Business Overview

11.10.5 Starfire Energy?? News

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Low-Temperature Ammonia-To-Hydrogen Technology Market Size CAGR by Region (2025-2031) (\$ millions)
- Table 2. Major Players of Cracker
- Table 3. Major Players of Catalyst
- Table 4. Global Market Size by Type (2025-2031) (\$ millions)
- Table 5. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Type (2025-2031)
- Table 6. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031) (\$ millions)
- Table 7. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)
- Table 8. Date of Global Key Players Enter into Low-Temperature Ammonia-To-Hydrogen Technology Market
- Table 9. Global Key Players Low-Temperature Ammonia-To-Hydrogen Technology Product Offered
- Table 10. Key Players Low-Temperature Ammonia-To-Hydrogen Technology Funding/Investment (Million USD)
- Table 11. Funding/Investment by Regions
- Table 12. Funding/Investment by End-Industry
- Table 13. Key Players Low-Temperature Ammonia-To-Hydrogen Technology Valuation & Market Capitalization (Million USD)
- Table 14. Key Players Mergers & Acquisitions, Expansion Plans
- Table 15. Low-Temperature Ammonia-To-Hydrogen Technology New Product/Technology Launches
- Table 16. Low-Temperature Ammonia-To-Hydrogen Technology Industry Partnerships, Agreements, and Collaborations
- Table 17. Low-Temperature Ammonia-To-Hydrogen Technology Industry Mergers and Acquisitions
- Table 18. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Regions 2025-2031 (\$ millions)
- Table 19. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Regions 2025-2031
- Table 20. United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031) (\$ millions)
- Table 21. United States Low-Temperature Ammonia-To-Hydrogen Technology Market

Size Market Share by Type (2025-2031)

Table 22. United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031) (\$ millions)

Table 23. United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)

Table 24. Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031) (\$ millions)

Table 25. Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Type (2025-2031)

Table 26. Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031) (\$ millions)

Table 27. Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)

Table 28. China Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031) (\$ millions)

Table 29. China Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Type (2025-2031)

Table 30. China Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031) (\$ millions)

Table 31. China Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)

Table 32. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Type (2025-2031) (\$ millions)

Table 33. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Type (2025-2031)

Table 34. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Application (2025-2031) (\$ millions)

Table 35. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)

Table 36. Key Market Drivers & Growth Opportunities of Low-Temperature Ammonia-To-Hydrogen Technology

Table 37. Key Market Challenges & Risks of Low-Temperature Ammonia-To-Hydrogen Technology

Table 38. Key Industry Trends of Low-Temperature Ammonia-To-Hydrogen Technology

Table 39. Company A Company Details

Table 40. Companies Invested by Company A

Table 41. Company A Key Development and Market Layout

Table 42. Company B Company Details

Table 43. Companies Invested by Company B

Table 44. Company B Key Development and Market Layout

Table 45. Company C Company Details

Table 46. Companies Invested by Company C

Table 47. Company C Key Development and Market Layout

Table 48. H2SITE Basic Information, Head Office, Major Market Areas and Its Competitors

Table 49. H2SITE Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 50. AFC Energy Basic Information, Head Office, Major Market Areas and Its Competitors

Table 51. AFC Energy Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 52. KBR Basic Information, Head Office, Major Market Areas and Its Competitors

Table 53. KBR Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 54. Johnson Matthey Basic Information, Head Office, Major Market Areas and Its Competitors

Table 55. Johnson Matthey Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 56. Topsoe Basic Information, Head Office, Major Market Areas and Its Competitors

Table 57. Topsoe Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 58. Metacon Basic Information, Head Office, Major Market Areas and Its Competitors

Table 59. Metacon Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 60. Heraeus Basic Information, Head Office, Major Market Areas and Its Competitors

Table 61. Heraeus Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 62. Clariant Basic Information, Head Office, Major Market Areas and Its Competitors

Table 63. Clariant Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 64. Amogy Basic Information, Head Office, Major Market Areas and Its Competitors

Table 65. Amogy Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

Table 66. Starfire Energy?? Basic Information, Head Office, Major Market Areas and Its Competitors

Table 67. Starfire Energy?? Low-Temperature Ammonia-To-Hydrogen Technology Market Size (2024 VS 2030)

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Low-Temperature Ammonia-To-Hydrogen Technology

Figure 2. Low-Temperature Ammonia-To-Hydrogen Technology Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Growth Rate 2025-2031 (\$ millions)

Figure 7. Low-Temperature Ammonia-To-Hydrogen Technology Market Size by Region (2024 & 2031) (\$ millions)

Figure 8. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Type (2025-2031)

Figure 9. Global Cracker Market Size Growth Rate

Figure 10. Global Catalyst Market Size Growth Rate

Figure 11. Low-Temperature Ammonia-To-Hydrogen Technology in Ship

Figure 12. Global Low-Temperature Ammonia-To-Hydrogen Technology Market: Ship (2025-2031) (\$ millions)

Figure 13. Low-Temperature Ammonia-To-Hydrogen Technology in Automobile

Figure 14. Global Low-Temperature Ammonia-To-Hydrogen Technology Market: Automobile (2025-2031) (\$ millions)

Figure 15. Low-Temperature Ammonia-To-Hydrogen Technology in Others

Figure 16. Global Low-Temperature Ammonia-To-Hydrogen Technology Market: Others (2025-2031) (\$ millions)

Figure 17. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application (2025-2031)

Figure 18. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size in Ship Growth Rate

Figure 19. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size in Automobile Growth Rate

Figure 20. Funding/Investment

Figure 21. Global Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Regions 2025-2031

Figure 22. United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size 2025-2031 (\$ millions)

Figure 23. China Low-Temperature Ammonia-To-Hydrogen Technology Market Size

2025-2031 (\$ millions)

Figure 24. Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size 2025-2031 (\$ millions)

Figure 25. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size 2025-2031 (\$ millions)

Figure 26. United States Low-Temperature Ammonia-To-Hydrogen Technology Consumption Market Share by Type in 2029

Figure 27. United States Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application in 2029

Figure 28. Europe Low-Temperature Ammonia-To-Hydrogen Technology Consumption Market Share by Type in 2029

Figure 29. Europe Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application in 2029

Figure 30. China Low-Temperature Ammonia-To-Hydrogen Technology Consumption Market Share by Type in 2029

Figure 31. China Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application in 2029

Figure 32. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Consumption Market Share by Type in 2029

Figure 33. Rest of World Low-Temperature Ammonia-To-Hydrogen Technology Market Size Market Share by Application in 2029

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