+44 20 8123 2220
info@marketpublishers.com

Ammonia Crackers Market - A Global and Regional Analysis: Focus on Cracker Type, Capacity, End User, and Region - Analysis and Forecast, 2023-2032

https://marketpublishers.com/r/AB2CDF6ACB23EN.html
Date: September 2023
Pages: 188
Price: US$ 5,500.00 (Single User License)
ID: AB2CDF6ACB23EN

Abstracts

Ammonia Crackers Market: Industry Overview

Hydrogen and hydrogen compounds such as ammonia play a key role in green transition, replace natural gas, and support a sustainable future. Moreover, hydrogen facilitates use as an economically viable energy vector in various applications, including transport and industrial applications, owing to its low volumetric density even when compressed to high pressures or liquefied. With minimal specialized transport infrastructure, hydrogen has been created close to where it is delivered and utilized. Moreover, synthetic fuels produced from hydrogen can be used in existing infrastructure, though they might need to be expanded. To overcome this challenge, various hydrogen carriers, such as ammonia in liquid form, are carbon-free and readily dispatchable hydrogen carriers, allowing the cost-effective storage and distribution of large quantities of energy. Furthermore, according to the International Energy Association (IEA), in some regions, the cost of imported hydrogen in the form of ammonia is lower than transporting it as hydrogen. Although ammonia production, handling practices, and supply chains are mature and well-established, efficient processes for the recovery of hydrogen from ammonia must be developed, as efficient ammonia cracking technologies that can generate pure hydrogen remain in their infancy.

Market Lifecycle Stage

The small-scale ammonia crackers are in their mature stage, while large-scale ammonia crackers are in their developing stage. The ecosystem of the ammonia crackers market comprises primary ammonia crackers manufacturers, green hydrogen and green ammonia producers, technology providers, and end users. The market is still developing, with Asia-Pacific and Europe at the forefront, followed by other regions such as North America, China, Rest-of-the-World, and the U.K.

Industrial Impact

The ammonia crackers for hydrogen production represent a significant step toward achieving a carbon-neutral energy sector. By leveraging this technology, the reliance on fossil fuels can be reduced. It can also mitigate climate change impacts and promote a cleaner and more sustainable energy landscape. As research and development efforts continue to advance, ammonia crackers have the potential to revolutionize the way of hydrogen production, distribution, and utilization, unlocking new possibilities for a greener and more prosperous future.

The major regions anticipated to use ammonia crackers are Asia-Pacific and Japan and Europe. Globally, there are numerous partnerships between manufacturers, technology providers, and end users of ammonia crackers.

Impact of COVID-19

The COVID-19 pandemic has had an adverse impact on most of the sectors globally, owing to countrywide lockdown, temporary shutdown of production facilities, and slowdown of the global economy. The pandemic has shown a severe impact on heat treatment, metal, mobility, and oil and gas, among other industries. Furthermore, the COVID-19 pandemic-related global lockdown led to production halts and disruptions in supply chains, manufacturing, and deployment activity, all of which had a detrimental effect on the market for ammonia crackers in 2020. Furthermore, the transportation industry showed a negative growth trend during COVID-19.

Market Segmentation:

Segmentation 1: by End User

Heat Treatment

Metal Industry

Oil and Gas

+44 20 8123 2220
info@marketpublishers.com

Power Generation

Mobility

Others

Ammonia crackers are expected to have a high adoption rate in mobility and power generation, among other applications, over the forecast period 2023-2032, owing to the increased initiatives by the mobility industry related to decarbonization.

Segmentation 2: by Cracker Type

Centralized

Decentralized

Based on cracker type, the ammonia crackers market is estimated to be led by the decentralized segment during the forecast period of 2023-2032.

Segmentation 3: by Capacity

Small Scale (1,000 Nm3/hr)

Based on capacity, the small scale segment led the ammonia crackers market in 2022 and was the largest segment owing to growing demand from end-use industries such as the metal industry, heat treatment, and mobility.

Segmentation 4: by Region

North America - U.S., Canada, and Mexico

Europe - Germany, France, Italy, Spain, Russia, and Rest-of-Europe

China

U.K.

Asia-Pacific and Japan - Japan, India, South Korea, and Rest-of-Asia-Pacific and Japan

Rest-of-the-World - Middle East and Africa and South America

In the global ammonia crackers market, Asia-Pacific and Japan and Europe are anticipated to gain traction in terms of ammonia crackers' production, owing to the increased import of green ammonia as a hydrogen carrier in the regions.

Recent Developments in Ammonia Crackers Market

In April 2021, Uniper undertook the initiative 'Green Wilhelmshaven' with the intention of creating a prominent hydrogen hub in Wilhelmshaven, Germany. To support this endeavor, the company is currently engaged in developing a feasibility study. As part of the plan, Uniper intends to construct an import terminal dedicated to green ammonia. The proposed terminal will feature an 'ammonia cracker' designed for the production of green hydrogen. Additionally, the terminal will be seamlessly integrated into the envisaged hydrogen network.

In June 2023, Proton Ventures undertook diverse studies related to ammonia cracking on behalf of clients and maintains engagement in multiple research consortia. Centralized ammonia cracker solutions, designed for pure hydrogen production, exhibit functional parallels with natural gas processing plants utilized for hydrogen production. Apart from this, efforts are underway to develop decentralized ammonia cracker solutions, which do not invariably necessitate complete conversion and purification of hydrogen. This approach enhances system energy efficiency and cost-effectiveness. The upcoming objective entails the construction of a commercial pilot for ammonia cracking. This represents a critical intermediate phase in the industry's progression toward establishing hydrogen production facilities on a global scale. Proton Ventures conducted a comprehensive front-end engineering and design (FEED) study for a renewable ammonia facility in a closely coordinated effort with Switzerland's Casale S.A.

In December 2021, Novatek and Uniper entered into a term sheet agreement outlining the provisions for the extended supply of substantial quantities of low-carbon ammonia. This supply arrangement is intended to serve Uniper's markets in both Germany and North-West Europe. Uniper is in the process of

+44 20 8123 2220
info@marketpublishers.com

planning an ammonia import terminal situated in Wilhelmshaven. This facility is envisioned to encompass a storage infrastructure alongside a cracker that operates using green power sources.

In September 2022, Syzygy Plasmonics, LOTTE Chemical, LOTTE Fine Chemical, and Sumitomo Corporation of Americas collaboratively announced their partnership to implement and test Syzygy's fully electric, photocatalytic ammonia cracking reactor on a commercial scale. The reactor is set to be installed and operationalized in the latter part of 2023 at LOTTE Chemical's site in Ulsan, South Korea.

Demand - Drivers and Limitations

The following are the demand drivers for the ammonia crackers market:

Increasing Awareness Regarding Green Hydrogen

Increased Adoption of Ammonia Crackers in End-User Industries

Need for Effective Hydrogen Carrier

The market is expected to face some limitations due to the following challenges:

Toxicity of Liquid Ammonia and Trace Amounts of Ammonia in Hydrogen after Decomposition

High Cost of Green Hydrogen Production and Requirement of Significant Amount of Energy in Cracking

How can this report add value to an organization?

Product/Innovation Strategy: The product segment helps the reader understand the different cracker types and capacities involved in the ammonia crackers market. The cracker type segment has been segmented into centralized and decentralized. The capacity segment has been segmented into small scale (1,000 Nm3/hr). Moreover, the study provides the reader with a detailed understanding of the ammonia crackers market based on end user, including heat treatment, metal industry, oil and gas, power generation, mobility, and others. The increasing adoption of ammonia crackers in power generation and mobility sectors is expected to fuel market growth in the future.

Growth/Marketing Strategy: The ammonia crackers market has seen major development by key players operating in the market, such as business expansions, partnerships, collaborations, mergers and acquisitions, and joint ventures. The favored strategy for the companies has been business partnerships to strengthen their position in the ammonia crackers market. For instance, in January 2023, thyssenkrupp AG and ADNOC signed a memorandum of understanding (MoU) to explore a long-term partnership to create new markets for hydrogen and promote global clean energy value chains. The agreement focuses on a joint project development of large-scale ammonia cracking, which is used to extract hydrogen from ammonia after transportation.

Competitive Strategy: Key players in the ammonia crackers market analyzed and profiled in the study involve ammonia cracker producers and the overall ecosystem. Moreover, a detailed competitive benchmarking of the players operating in the ammonia crackers market has been done to help the reader understand how players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, acquisitions, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.

Key Market Players and Competition Synopsis

Ammonia has already established itself as a well-developed method for storing hydrogen. Storage tanks designed for liquefied petroleum gas (LPG) that share similarities in design and function with ammonia tanks have been successfully built, capable of accommodating capacities up to 130,000 m3. To put it into perspective, a single tank of this magnitude could store approximately 0.5 terawatt-hours (TWh) of liquid ammonia. This storage solution is not constrained by geographical limitations and can be conveniently expanded in a modular manner wherever necessary. Ammonia crackers play a key role in end-user industries, including the metal industry, heat treatment, power generation, mobility, oil and gas, and others. In 2022, the metal industry led the global ammonia crackers market; however, power generation and mobility industries are expected to gain traction over the forecast period with increased installation of large-scale ammonia crackers.

Some of the prominent producers of ammonia crackers are:

+44 20 8123 2220
info@marketpublishers.com

Company Type 1 (by Capacity): Small Scale (1,000 Nm3/hr)

Haldor Topsoe A/S

Siemens Energy

Air Liquide

thyssenkrupp AG

KBR Inc.

Duiker Combustion Engineers

Others

Various players are involved in the market, which has been covered in different sections of the report.

+44 20 8123 2220
info@marketpublishers.com

Contents

1 MARKET

1.1 Industry Outlook
  1.1.1 Trends: Current and Future
    1.1.1.1 Ongoing Research for Scaling Up of Cracking Technologies
    1.1.1.2 Transition towards Low-Carbon Hydrogen, Aiding the Growth of Ammonia Crackers
  1.1.2 Supply Chain Analysis
  1.1.3 Ecosystem of Ammonia Crackers Market
    1.1.3.1 Regulatory/Certification Bodies
  1.1.4 Impact of COVID-19 on the Ammonia Crackers Market
1.2 Business Dynamics
  1.2.1 Business Drivers
    1.2.1.1 Increasing Awareness Regarding Green Hydrogen
    1.2.1.2 Increased Adoption of Ammonia Crackers in End-User Industries
    1.2.1.3 Need for Effective Hydrogen Carrier
  1.2.2 Business Challenges
    1.2.2.1 Toxicity of Liquid Ammonia and Trace Amounts of Ammonia in Hydrogen after Decomposition
    1.2.2.2 High Cost of Green Hydrogen Production and Requirement of Significant Amount of Energy in Cracking
  1.2.3 Business Strategies
    1.2.3.1 Product and Market Developments
  1.2.4 Corporate Strategies
    1.2.4.1 Mergers and Acquisitions, Partnerships, and Joint Ventures
  1.2.5 Business Opportunities
    1.2.5.1 Government Initiatives for Net-Zero Emission
    1.2.5.2 Increasing Adoption of Green Hydrogen into Mobility Sector
1.3 Start-Up Landscape
  1.3.1 Key Start-Ups in the Ecosystem

2 APPLICATION

2.1 Global Ammonia Crackers Market (End Users and Specifications)
  2.1.1 Global Ammonia Crackers Market (by End User)
    2.1.1.1 Heat Treatment
    2.1.1.2 Metal Industry

2.1.1.3 Oil and Gas
2.1.1.4 Mobility
2.1.1.5 Power Generation
2.1.1.6 Others
2.2 Demand Analysis of Ammonia Crackers Market (by End User), Volume and Value Data

3 PRODUCTS

3.1 Global Ammonia Crackers Market (Cracker Types and Specifications)
3.1.1 Global Ammonia Crackers Market (by Cracker Type)
3.1.1.1 Centralized
3.1.1.2 Decentralized
3.2 Demand Analysis of Ammonia Crackers Market (by Cracker Type), Volume and Value Data
3.3 Global Ammonia Crackers Market (Capacities and Specifications)
3.3.1 Global Ammonia Crackers Market (by Capacity)
3.3.1.1 Small Scale (1,000 Nm3/hr)
3.4 Demand Analysis of Ammonia Crackers Market (by Capacity), Volume and Value Data
3.5 Product Benchmarking: Growth Rate - Market Share Matrix (by Cracker Type), by Value, 2022
3.6 Patent Analysis
3.6.1 Patent Analysis (by Status)
3.6.2 Patent Analysis (by Organization)
3.7 Average Pricing Analysis: Global and Regional Level, Ammonia Crackers
3.8 Cost Break-up – Ammonia Crackers
3.9 Cost Comparison – Centralized vs. Decentralized Ammonia Crackers, based on Transport Distance
3.1 Snapshot of Green Hydrogen Market
3.10.1 Leading Countries in the Green Hydrogen Market
3.10.2 Leading Companies in the Green Hydrogen Market
3.10.3 Green Hydrogen Market Projection
3.11 Snapshot of the Green Ammonia Market
3.11.1 Leading Countries in the Green Ammonia Market
3.11.2 Leading Companies in the Green Ammonia Market
3.11.3 Green Ammonia Market Projection

4 REGIONS

4.1 North America
4.1.1 Market
4.1.1.1 Key Producers and Suppliers in North America
4.1.1.2 Business Drivers
4.1.1.3 Business Challenges
4.1.2 Application
4.1.2.1 North America Ammonia Crackers Market (by End User), Volume and Value Data
4.1.3 Product
4.1.3.1 North America Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.1.3.2 North America Ammonia Crackers Market (by Capacity), Volume and Value Data
4.1.4 North America (by Country)
4.1.4.1 U.S.
4.1.4.1.1 Market
4.1.4.1.2 Application
4.1.4.1.2.1 U.S. Ammonia Crackers Market (by End User), Volume and Value Data
4.1.4.1.3 Product
4.1.4.1.3.1 U.S. Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.1.4.1.3.2 U.S. Ammonia Crackers Market (by Capacity), Volume and Value Data
4.1.4.2 Canada
4.1.4.2.1 Market
4.1.4.2.2 Application
4.1.4.2.2.1 Canada Ammonia Crackers Market (by End User), Volume and Value Data
4.1.4.2.3 Product
4.1.4.2.3.1 Canada Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.1.4.2.3.2 Canada Ammonia Crackers Market (by Capacity), Volume and Value Data
4.1.4.3 Mexico
4.1.4.3.1 Market
4.1.4.3.2 Application
4.1.4.3.2.1 Mexico Ammonia Crackers Market (by End User), Volume and Value Data
4.1.4.3.3 Product

+44 20 8123 2220
info@marketpublishers.com

4.1.4.3.3.1 Mexico Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.1.4.3.3.2 Mexico Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2 Europe
4.2.1 Market
4.2.1.1 Key Producers and Suppliers in Europe
4.2.1.2 Business Drivers
4.2.1.3 Business Challenges
4.2.2 Application
4.2.2.1 Europe Ammonia Crackers Market (by End User), Volume and Value Data
4.2.3 Product
4.2.3.1 Europe Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.3.2 Europe Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2.4 Europe (by Country)
4.2.4.1 Germany
4.2.4.1.1 Market
4.2.4.1.2 Application
4.2.4.1.2.1 Germany Ammonia Crackers Market (by End User), Volume and Value Data
4.2.4.1.3 Product
4.2.4.1.3.1 Germany Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.4.1.3.2 Germany Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2.4.2 France
4.2.4.2.1 Market
4.2.4.2.2 Application
4.2.4.2.2.1 France Ammonia Crackers Market (by End User), Volume and Value Data
4.2.4.2.3 Product
4.2.4.2.3.1 France Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.4.2.3.2 France Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2.4.3 Italy
4.2.4.3.1 Market
4.2.4.3.2 Application

4.2.4.3.2.1 Italy Ammonia Crackers Market (by End User), Volume and Value Data
4.2.4.3.3 Product
4.2.4.3.3.1 Italy Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.4.3.3.2 Italy Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2.4.4 Spain
4.2.4.4.1 Market
4.2.4.4.2 Application
4.2.4.4.2.1 Spain Ammonia Crackers Market (by End User), Volume and Value Data
4.2.4.4.3 Product
4.2.4.4.3.1 Spain Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.4.4.3.2 Spain Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2.4.5 Russia
4.2.4.5.1 Market
4.2.4.5.2 Application
4.2.4.5.2.1 Russia Ammonia Crackers Market (by End User), Volume and Value Data
4.2.4.5.3 Product
4.2.4.5.3.1 Russia Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.4.5.3.2 Russia Ammonia Crackers Market (by Capacity), Volume and Value Data
4.2.4.6 Rest-of-Europe
4.2.4.6.1 Market
4.2.4.6.2 Application
4.2.4.6.2.1 Rest-of-Europe Ammonia Crackers Market (by End User), Volume and Value Data
4.2.4.6.3 Product
4.2.4.6.3.1 Rest-of-Europe Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.2.4.6.3.2 Rest-of-Europe Ammonia Crackers Market (by Capacity), Volume and Value Data
4.3 U.K.
4.3.1 Market
4.3.1.1 Key Producers and Suppliers in the U.K.
4.3.1.2 Business Drivers

4.3.1.3 Business Challenges
4.3.2 Application
4.3.2.1 U.K. Ammonia Crackers Market (by End User), Volume and Value Data
4.3.3 Product
4.3.3.1 U.K. Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.3.3.2 U.K. Ammonia Crackers Market (by Capacity), Volume and Value Data
4.4 China
4.4.1 Market
4.4.1.1 Key Producers and Suppliers in China
4.4.1.2 Business Drivers
4.4.1.3 Business Challenges
4.4.2 Application
4.4.2.1 China Ammonia Crackers Market (by End User), Volume and Value Data
4.4.3 Product
4.4.3.1 China Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.4.3.2 China Ammonia Crackers Market (by Capacity), Volume and Value Data
4.5 Asia-Pacific and Japan
4.5.1 Market
4.5.1.1 Key Producers and Suppliers in Asia-Pacific and Japan
4.5.1.2 Business Drivers
4.5.1.3 Business Challenges
4.5.2 Application
4.5.2.1 Asia-Pacific and Japan Ammonia Crackers Market (by End User), Volume and Value Data
4.5.3 Product
4.5.3.1 Asia-Pacific and Japan Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.5.3.2 Asia-Pacific and Japan Ammonia Crackers Market (by Capacity), Volume and Value Data
4.5.4 Asia-Pacific and Japan (by Country)
4.5.4.1 Japan
4.5.4.1.1 Market
4.5.4.1.2 Application
4.5.4.1.2.1 Japan Ammonia Crackers Market (by End User), Volume and Value Data
4.5.4.1.3 Product
4.5.4.1.3.1 Japan Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.5.4.1.3.2 Japan Ammonia Crackers Market (by Capacity), Volume and Value

Data
4.5.4.2 South Korea
4.5.4.2.1 Market
4.5.4.2.2 Application
4.5.4.2.2.1 South Korea Ammonia Crackers Market (by End User), Volume and Value Data
4.5.4.2.3 Product
4.5.4.2.3.1 South Korea Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.5.4.2.3.2 South Korea Ammonia Crackers Market (by Capacity), Volume and Value Data
4.5.4.3 India
4.5.4.3.1 Market
4.5.4.3.2 Application
4.5.4.3.2.1 India Ammonia Crackers Market (by End User), Volume and Value Data
4.5.4.3.3 Product
4.5.4.3.3.1 India Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.5.4.3.3.2 India Ammonia Crackers Market (by Capacity), Volume and Value Data
4.5.4.4 Rest-of-Asia-Pacific and Japan
4.5.4.4.1 Market
4.5.4.4.2 Application
4.5.4.4.2.1 Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by End User), Volume and Value Data
4.5.4.4.3 Product
4.5.4.4.3.1 Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.5.4.4.3.2 Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by Capacity), Volume and Value Data
4.6 Rest-of-the-World
4.6.1 Market
4.6.1.1 Key Producers and Suppliers in Rest-of-the-World
4.6.1.2 Business Drivers
4.6.1.3 Business Challenges
4.6.2 Application
4.6.2.1 Rest-of-the-World Ammonia Crackers Market (by End User), Volume and Value Data
4.6.3 Product

+44 20 8123 2220
info@marketpublishers.com

4.6.3.1 Rest-of-the-World Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.6.3.2 Rest-of-the-World Ammonia Crackers Market (by Capacity), Volume and Value Data
4.6.4 Rest-of-the-World (by Region)
4.6.4.1 Middle East and Africa
4.6.4.1.1 Market
4.6.4.1.2 Application
4.6.4.1.2.1 Middle East and Africa Ammonia Crackers Market (by End User), Volume and Value Data
4.6.4.1.3 Product
4.6.4.1.3.1 Middle East and Africa Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.6.4.1.3.2 Middle East and Africa Ammonia Crackers Market (by Capacity), Volume and Value Data
4.6.4.2 South America
4.6.4.2.1 Market
4.6.4.2.2 Application
4.6.4.2.2.1 South America Ammonia Crackers Market (by End User), Volume and Value Data
4.6.4.2.3 Product
4.6.4.2.3.1 South America Ammonia Crackers Market (by Cracker Type), Volume and Value Data
4.6.4.2.3.2 South America Ammonia Crackers Market (by Capacity), Volume and Value Data

5 MARKET – COMPETITIVE BENCHMARKING AND COMPANY PROFILES

5.1 Competitive Benchmarking
5.1.1 Competitive Position Matrix
5.1.2 Product Matrix of Key Companies (by Capacity)
5.1.3 Market Share Analysis of Key Companies, 2022
5.2 Company Profiles
5.2.1 Haldor Topsoe A/S
5.2.1.1 Company Overview
5.2.1.1.1 Role of Haldor Topsoe A/S in the Ammonia Crackers Market
5.2.1.1.2 Product Portfolio
5.2.1.2 R&D Analysis
5.2.1.3 Analyst View

5.2.2 Siemens Energy
5.2.2.1 Company Overview
5.2.2.1.1 Role of Siemens Energy in the Ammonia Crackers Market
5.2.2.1.2 Product Portfolio
5.2.2.2 Business Strategies
5.2.2.2.1 Market Developments and Product Developments
5.2.2.3 R&D Analysis
5.2.2.4 Analyst View
5.2.3 KBR Inc.
5.2.3.1 Company Overview
5.2.3.1.1 Role of KBR Inc. in the Ammonia Crackers Market
5.2.3.1.2 Product Portfolio
5.2.3.2 Analyst View
5.2.4 Air Liquide
5.2.4.1 Company Overview
5.2.4.1.1 Role of Air Liquide in the Ammonia Crackers Market
5.2.4.1.2 Product Portfolio
5.2.4.2 Business Strategies
5.2.4.2.1 Market Developments and Product Developments
5.2.4.3 R&D Analysis
5.2.4.4 Analyst View
5.2.5 thyssenkrupp AG
5.2.5.1 Company Overview
5.2.5.1.1 Role of thyssenkrupp AG in the Ammonia Crackers Market
5.2.5.1.2 Product Portfolio
5.2.5.2 Corporate Strategies
5.2.5.2.1 Mergers and Acquisitions, Partnerships, Collaborations, and Joint Ventures
5.2.5.3 R&D Analysis
5.2.5.4 Analyst View
5.2.6 Duiker Combustion Engineers
5.2.6.1 Company Overview
5.2.6.1.1 Role of Duiker Combustion Engineers in the Ammonia Crackers Market
5.2.6.1.2 Product Portfolio
5.2.6.2 Analyst View
5.2.7 AMMPOWER
5.2.7.1 Company Overview
5.2.7.1.1 Role of AMMPOWER in the Ammonia Crackers Market
5.2.7.2 Product Portfolio

+44 20 8123 2220
info@marketpublishers.com

5.2.7.3 Business Strategies
5.2.7.3.1 Market Developments
5.2.7.4 Corporate Strategies
5.2.7.4.1 Mergers and Acquisitions, Partnerships, Collaborations, and Joint Ventures
5.2.7.5 Analyst View
5.2.8 Lindberg/MPH
5.2.8.1 Company Overview
5.2.8.1.1 Role of Lindberg/MPH in the Ammonia Crackers Market
5.2.8.1.2 Product Portfolio
5.2.8.1.3 Production Sites
5.2.8.2 Analyst View
5.2.9 Gasbarre Products, Inc.
5.2.9.1 Company Overview
5.2.9.1.1 Role of Gasbarre Products, Inc. in the Ammonia Crackers Market
5.2.9.1.2 Product Portfolio
5.2.9.1.3 Production Sites
5.2.9.2 Analyst View
5.2.10 Suzhou Since Gas Technology Co., Ltd.
5.2.10.1 Company Overview
5.2.10.1.1 Role of Suzhou Since Gas Technology Co., Ltd. in the Ammonia Crackers Market
5.2.10.1.2 Product Portfolio
5.2.10.1.3 Production Sites
5.2.10.2 Analyst View
5.2.11 Borel Swiss
5.2.11.1 Company Overview
5.2.11.1.1 Role of Borel Swiss in the Ammonia Crackers Market
5.2.11.1.2 Product Portfolio
5.2.11.1.3 Production Sites
5.2.11.2 Analyst View
5.2.12 Nuberg GPD
5.2.12.1 Company Overview
5.2.12.1.1 Role of Nuberg GPD in the Ammonia Crackers Market
5.2.12.1.2 Product Portfolio
5.2.12.1.3 Production Sites
5.2.12.2 Analyst View
5.2.13 AMOGY Inc.
5.2.13.1 Company Overview

+44 20 8123 2220
info@marketpublishers.com

5.2.13.1.1 Role of AMOGY Inc. in the Ammonia Crackers Market
5.2.13.1.2 Product Portfolio
5.2.13.2 Business Strategies
5.2.13.2.1 Market Developments and Product Developments
5.2.13.3 Analyst View
5.2.14 MVS Engineering Pvt. Ltd.
5.2.14.1 Company Overview
5.2.14.2 Role of MVS Engineering Pvt. Ltd. in the Global Ammonia Crackers Market
5.2.14.2.1 Product Portfolio
5.2.14.2.2 Production Sites
5.2.14.3 Analyst View
5.2.15 Thermal Dynamix – A Judd Service Company
5.2.15.1 Company Overview
5.2.15.2 Role of Thermal Dynamix – A Judd Service Company in the Global Ammonia Crackers Market
5.2.15.2.1 Product Portfolio
5.2.15.3 Analyst View

6 RESEARCH METHODOLOGY

6.1 Primary Data Sources
6.2 BIS Data Sources
6.3 Assumptions and Limitations

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1: Global Ammonia Crackers Market, $Million, 2022, 2023, and 2032
Figure 2: Global Ammonia Crackers Market (by End User), $Million, 2022 and 2032
Figure 3: Global Ammonia Crackers Market (by Cracker Type), $Million, 2022 and 2032
Figure 4: Global Ammonia Crackers Market (by Capacity), $Million, 2022 and 2032
Figure 5: Global Ammonia Crackers Market (by Region), $Million, 2022 and 2032
Figure 6: Global Ammonia Crackers Market Coverage
Figure 7: Supply Chain Analysis of the Ammonia Crackers Market
Figure 8: Flow Chart of Ammonia Crackers (by Cracker Type)
Figure 9: Global Automotive Production Units, 2019-2021
Figure 10: Product Benchmarking
Figure 11: Total Year-Wise Patents Filed for Global Ammonia Crackers Market, January 2020-December 2022
Figure 12: Patent Analysis (by Status), January 2020-December 2022
Figure 13: Patent Analysis (by Organization), January 2020-December 2022
Figure 14: Ammonia Crackers – Components Break-up
Figure 15: Capital Cost of Ammonia Crackers Plant, Tons per Day (TPD)
Figure 16: Capital Cost Factors for Ammonia Crackers Plant (for a Plant with Capacity of 50 Tons H2 per Day)
Figure 17: Cost Comparison of Centralized and Decentralized Ammonia Crackers Based on Transport Distance
Figure 18: Green Hydrogen Market Snapshot
Figure 19: Green Ammonia Market Snapshot
Figure 20: Research Methodology
Figure 21: Top-Down and Bottom-Up Approach
Figure 22: Ammonia Crackers Market: Influencing Factors
Figure 23: Assumptions and Limitations

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1: Regulatory/Certification Bodies
Table 2: Key Product and Market Developments
Table 3: Key Mergers and Acquisitions, Partnerships, and Joint Ventures
Table 4: 12. List of Key Oil and Gas Projects Utilizing Green Hydrogen
Table 5: Global Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 6: Global Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 7: Global Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 8: Global Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 9: Global Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 10: Global Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 11: Average Global and Regional Level Pricing Analysis, Ammonia Crackers, $/Ton (per ton of Ammonia Cracked), 2022-2032
Table 12: Global Ammonia Crackers Market (by Region), Kilotons, 2022-2032
Table 13: Global Ammonia Crackers Market (by Region), $Million, 2022-2032
Table 14: North America Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 15: North America Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 16: North America Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 17: North America Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 18: North America Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 19: North America Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 20: U.S. Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 21: U.S. Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 22: U.S. Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 23: U.S. Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 24: U.S. Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 25: U.S. Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 26: Canada Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 27: Canada Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 28: Canada Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 29: Canada Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 30: Canada Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 31: Canada Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 32: Mexico Ammonia Crackers Market (by End User), Kilotons, 2022-2032

+44 20 8123 2220
info@marketpublishers.com

Table 33: Mexico Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 34: Mexico Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 35: Mexico Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 36: Mexico Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 37: Mexico Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 38: Europe Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 39: Europe Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 40: Europe Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 41: Europe Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 42: Europe Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 43: Europe Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 44: Germany Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 45: Germany Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 46: Germany Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 47: Germany Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 48: Germany Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 49: Germany Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 50: France Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 51: France Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 52: France Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 53: France Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 54: France Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 55: France Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 56: Italy Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 57: Italy Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 58: Italy Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 59: Italy Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 60: Italy Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 61: Italy Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 62: Spain Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 63: Spain Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 64: Spain Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 65: Spain Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 66: Spain Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 67: Spain Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 68: Russia Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 69: Russia Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 70: Russia Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 71: Russia Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032

+44 20 8123 2220
info@marketpublishers.com

Table 72: Russia Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 73: Russia Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 74: Rest-of-Europe Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 75: Rest-of-Europe Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 76: Rest-of-Europe Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 77: Rest-of-Europe Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 78: Rest-of-Europe Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 79: Rest-of-Europe Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 80: U.K. Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 81: U.K. Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 82: U.K. Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 83: U.K. Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 84: U.K. Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 85: U.K. Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 86: China Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 87: China Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 88: China Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 89: China Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 90: China Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 91: China Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 92: Asia-Pacific and Japan Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 93: Asia-Pacific and Japan Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 94: Asia-Pacific and Japan Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 95: Asia-Pacific and Japan Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 96: Asia-Pacific and Japan Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 97: Asia-Pacific and Japan Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 98: Japan Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 99: Japan Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 100: Japan Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032

+44 20 8123 2220
info@marketpublishers.com

Table 101: Japan Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 102: Japan Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 103: Japan Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 104: South Korea Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 105: South Korea Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 106: South Korea Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 107: South Korea Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 108: South Korea Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 109: South Korea Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 110: India Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 111: India Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 112: India Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 113: India Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 114: India Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 115: India Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 116: Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 117: Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 118: Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 119: Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 120: Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 121: Rest-of-Asia-Pacific and Japan Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 122: Rest-of-the-World Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 123: Rest-of-the-World Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 124: Rest-of-the-World Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 125: Rest-of-the-World Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 126: Rest-of-the-World Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032

+44 20 8123 2220
info@marketpublishers.com

Table 127: Rest-of-the-World Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 128: Middle East and Africa Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 129: Middle East and Africa Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 130: Middle East and Africa Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 131: Middle East and Africa Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 132: Middle East and Africa Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 133: Middle East and Africa Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 134: South America Ammonia Crackers Market (by End User), Kilotons, 2022-2032
Table 135: South America Ammonia Crackers Market (by End User), $Million, 2022-2032
Table 136: South America Ammonia Crackers Market (by Cracker Type), Kilotons, 2022-2032
Table 137: South America Ammonia Crackers Market (by Cracker Type), $Million, 2022-2032
Table 138: South America Ammonia Crackers Market (by Capacity), Kilotons, 2022-2032
Table 139: South America Ammonia Crackers Market (by Capacity), $Million, 2022-2032
Table 140: Product Matrix of Key Companies (by Capacity)
Table 141: Market Shares of Key Companies, 2022

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Ammonia Crackers Market - A Global and Regional Analysis: Focus on Cracker Type, Capacity, End User, and Region - Analysis and Forecast, 2023-2032

Product link: https://marketpublishers.com/r/AB2CDF6ACB23EN.html

Price: US$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/AB2CDF6ACB23EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature ______________________________

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970