

Global Magnesium(Mg)-based Hydrogen Storage Containers Market Growth 2026-2032

<https://marketpublishers.com/r/GA37AA01E5C8EN.html>

Date: May 2026

Pages: 82

Price: US\$ 3,660.00 (Single User License)

ID: GA37AA01E5C8EN

Abstracts

The global Magnesium(Mg)-based Hydrogen Storage Containers market size is predicted to grow from US\$ 11.18 million in 2025 to US\$ 19.48 million in 2032; it is expected to grow at a CAGR of 8.3% from 2026 to 2032.

Magnesium-based hydrogen storage containers utilize magnesium hydride (MgH₂) which contains 7.6% hydrogen by weight, offering high storage capacity while maintaining light weight due to magnesium's abundance and low density⁷⁸. The containers operate through reversible hydrogen sorption in magnesium powder, absorbing hydrogen readily above dissociation pressure and releasing it when needed, though the process requires temperatures between 250-400°C for optimal performance⁶⁷. Practical implementation faces challenges with sluggish kinetics and strong hydrogen binding in magnesium hydride, necessitating strategies to improve thermodynamic properties for more efficient cycling⁸. Despite these hurdles, magnesium-based containers represent a promising solution for hydrogen storage due to their high capacity potential and material advantages⁷⁸. In 2025, global Magnesium(Mg)-based Hydrogen Storage Containers production reached approximately 9 units with an average global market price of around k US\$1200 per unit.

United States market for Magnesium(Mg)-based Hydrogen Storage Containers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Magnesium(Mg)-based Hydrogen Storage Containers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Magnesium(Mg)-based Hydrogen Storage Containers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Magnesium(Mg)-based Hydrogen Storage Containers players cover McPhy Energy, Hyto Energy, Shanghai Hydrexia, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

This Insight Report provides a comprehensive analysis of the global Magnesium(Mg)-based Hydrogen Storage Containers 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 Magnesium(Mg)-based Hydrogen Storage Containers portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Magnesium(Mg)-based Hydrogen Storage Containers market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Magnesium(Mg)-based Hydrogen Storage Containers 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 Magnesium(Mg)-based Hydrogen Storage Containers.

This report presents a comprehensive overview, market shares, and growth opportunities of Magnesium(Mg)-based Hydrogen Storage Containers market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single Hydride Tank System

Multi-tank Hydride Storage System

Segmentation by Temperature:

High-temperature Hydride Tank

Medium-temperature Hydride Tank

Low-temperature Hydride Tank

Segmentation by Application:

Hydrogen Storage & Transportation Trailer

Hydrogen-electric Energy Storage System

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.

McPhy Energy

Hyto Energy

Shanghai Hydrexia

Key Questions Addressed in this Report

What is the 10-year outlook for the global Magnesium(Mg)-based Hydrogen Storage Containers market?

What factors are driving Magnesium(Mg)-based Hydrogen Storage Containers market growth, globally and by region?

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

How do Magnesium(Mg)-based Hydrogen Storage Containers market opportunities vary by end market size?

How does Magnesium(Mg)-based Hydrogen Storage Containers break out by Type, by Application?

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
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

2.1.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Sales 2021-2032

2.1.2 World Current & Future Analysis for Magnesium(Mg)-based Hydrogen Storage Containers by Geographic Region, 2021, 2025 & 2032

2.1.3 World Current & Future Analysis for Magnesium(Mg)-based Hydrogen Storage Containers by Country/Region, 2021, 2025 & 2032

2.2 Magnesium(Mg)-based Hydrogen Storage Containers Segment by Type

2.2.1 Single Hydride Tank System

2.2.2 Multi-tank Hydride Storage System

2.2.3 Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type

2.2.3.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Type (2021-2026)

2.2.3.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue and Market Share by Type (2021-2026)

2.2.3.3 Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Type (2021-2026)

2.3 Magnesium(Mg)-based Hydrogen Storage Containers Segment by Temperature

2.3.1 High-temperature Hydride Tank

2.3.2 Medium-temperature Hydride Tank

2.3.3 Low-temperature Hydride Tank

2.3.4 Magnesium(Mg)-based Hydrogen Storage Containers Sales by Temperature

2.3.4.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Temperature (2021-2026)

2.3.4.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue and Market Share by Temperature (2021-2026)

2.3.4.3 Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Temperature (2021-2026)

2.4 Magnesium(Mg)-based Hydrogen Storage Containers Segment by Application

2.4.1 Hydrogen Storage & Transportation Trailer

2.4.2 Hydrogen-electric Energy Storage System

2.4.3 Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application

2.4.3.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Market Share by Application (2021-2026)

2.4.3.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue and Market Share by Application (2021-2026)

2.4.3.3 Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Breakdown Data by Company

3.1.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Sales by Company (2021-2026)

3.1.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Company (2021-2026)

3.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Revenue by Company (2021-2026)

3.2.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Company (2021-2026)

3.2.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Company (2021-2026)

3.3 Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Company

3.4 Key Manufacturers Magnesium(Mg)-based Hydrogen Storage Containers Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Magnesium(Mg)-based Hydrogen Storage Containers Product Location Distribution

3.4.2 Players Magnesium(Mg)-based Hydrogen Storage Containers Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR MAGNESIUM(MG)-BASED HYDROGEN STORAGE CONTAINERS BY GEOGRAPHIC REGION

4.1 World Historic Magnesium(Mg)-based Hydrogen Storage Containers Market Size by Geographic Region (2021-2026)

4.1.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Magnesium(Mg)-based Hydrogen Storage Containers Market Size by Country/Region (2021-2026)

4.2.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Sales by Country/Region (2021-2026)

4.2.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Revenue by Country/Region (2021-2026)

4.3 Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales Growth

4.4 APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales Growth

4.5 Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales Growth

4.6 Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales Growth

5 AMERICAS

5.1 Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country

5.1.1 Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country (2021-2026)

5.1.2 Americas Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Country (2021-2026)

5.2 Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026)

5.3 Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Region

6.1.1 APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Region (2021-2026)

6.1.2 APAC Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Region (2021-2026)

6.2 APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026)

6.3 APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Magnesium(Mg)-based Hydrogen Storage Containers by Country

7.1.1 Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country (2021-2026)

7.1.2 Europe Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Country (2021-2026)

7.2 Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026)

7.3 Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers by Country

8.1.1 Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country (2021-2026)

8.1.2 Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Country (2021-2026)

8.2 Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026)

8.3 Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Magnesium(Mg)-based Hydrogen Storage Containers

10.3 Manufacturing Process Analysis of Magnesium(Mg)-based Hydrogen Storage Containers

10.4 Industry Chain Structure of Magnesium(Mg)-based Hydrogen Storage Containers

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Magnesium(Mg)-based Hydrogen Storage Containers Distributors

11.3 Magnesium(Mg)-based Hydrogen Storage Containers Customer

12 WORLD FORECAST REVIEW FOR MAGNESIUM(MG)-BASED HYDROGEN STORAGE CONTAINERS BY GEOGRAPHIC REGION

12.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Market Size Forecast by Region

12.1.1 Global Magnesium(Mg)-based Hydrogen Storage Containers Forecast by Region (2027-2032)

12.1.2 Global Magnesium(Mg)-based Hydrogen Storage Containers Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Magnesium(Mg)-based Hydrogen Storage Containers Forecast by Type (2027-2032)

12.7 Global Magnesium(Mg)-based Hydrogen Storage Containers Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 McPhy Energy

13.1.1 McPhy Energy Company Information

13.1.2 McPhy Energy Magnesium(Mg)-based Hydrogen Storage Containers Product Portfolios and Specifications

13.1.3 McPhy Energy Magnesium(Mg)-based Hydrogen Storage Containers Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 McPhy Energy Main Business Overview

13.1.5 McPhy Energy Latest Developments

13.2 Hyto Energy

13.2.1 Hyto Energy Company Information

13.2.2 Hyto Energy Magnesium(Mg)-based Hydrogen Storage Containers Product Portfolios and Specifications

13.2.3 Hyto Energy Magnesium(Mg)-based Hydrogen Storage Containers Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Hyto Energy Main Business Overview

13.2.5 Hyto Energy Latest Developments

13.3 Shanghai Hydrexia

13.3.1 Shanghai Hydrexia Company Information

13.3.2 Shanghai Hydrexia Magnesium(Mg)-based Hydrogen Storage Containers

Product Portfolios and Specifications

13.3.3 Shanghai Hydrexia Magnesium(Mg)-based Hydrogen Storage Containers
Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Shanghai Hydrexia Main Business Overview

13.3.5 Shanghai Hydrexia Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Magnesium(Mg)-based Hydrogen Storage Containers Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Magnesium(Mg)-based Hydrogen Storage Containers Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Single Hydride Tank System
- Table 4. Major Players of Multi-tank Hydride Storage System
- Table 5. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026) & (Units)
- Table 6. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Type (2021-2026)
- Table 7. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Type (2021-2026)
- Table 9. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Type (2021-2026) & (K US\$/Unit)
- Table 10. Major Players of High-temperature Hydride Tank
- Table 11. Major Players of Medium-temperature Hydride Tank
- Table 12. Major Players of Low-temperature Hydride Tank
- Table 13. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales by Temperature (2021-2026) & (Units)
- Table 14. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Temperature (2021-2026)
- Table 15. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Temperature (2021-2026) & (\$ million)
- Table 16. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Temperature (2021-2026)
- Table 17. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Temperature (2021-2026) & (K US\$/Unit)
- Table 18. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale by Application (2021-2026) & (Units)
- Table 19. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Market Share by Application (2021-2026)
- Table 20. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Application (2021-2026) & (\$ million)

- Table 21. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Application (2021-2026)
- Table 22. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Application (2021-2026) & (K US\$/Unit)
- Table 23. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales by Company (2021-2026) & (Units)
- Table 24. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Company (2021-2026)
- Table 25. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Company (2021-2026) & (\$ millions)
- Table 26. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Company (2021-2026)
- Table 27. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Price by Company (2021-2026) & (K US\$/Unit)
- Table 28. Key Manufacturers Magnesium(Mg)-based Hydrogen Storage Containers Producing Area Distribution and Sales Area
- Table 29. Players Magnesium(Mg)-based Hydrogen Storage Containers Products Offered
- Table 30. Magnesium(Mg)-based Hydrogen Storage Containers Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- Table 31. New Products and Potential Entrants
- Table 32. Market M&A Activity & Strategy
- Table 33. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales by Geographic Region (2021-2026) & (Units)
- Table 34. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share Geographic Region (2021-2026)
- Table 35. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Geographic Region (2021-2026) & (\$ millions)
- Table 36. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Geographic Region (2021-2026)
- Table 37. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country/Region (2021-2026) & (Units)
- Table 38. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country/Region (2021-2026)
- Table 39. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Country/Region (2021-2026) & (\$ millions)
- Table 40. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Country/Region (2021-2026)
- Table 41. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by

Country (2021-2026) & (Units)

Table 42. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country (2021-2026)

Table 43. Americas Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Country (2021-2026) & (\$ millions)

Table 44. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026) & (Units)

Table 45. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026) & (Units)

Table 46. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Region (2021-2026) & (Units)

Table 47. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Region (2021-2026)

Table 48. APAC Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Region (2021-2026) & (\$ millions)

Table 49. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026) & (Units)

Table 50. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026) & (Units)

Table 51. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country (2021-2026) & (Units)

Table 52. Europe Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Country (2021-2026) & (\$ millions)

Table 53. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026) & (Units)

Table 54. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026) & (Units)

Table 55. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales by Country (2021-2026) & (Units)

Table 56. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Country (2021-2026)

Table 57. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales by Type (2021-2026) & (Units)

Table 58. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales by Application (2021-2026) & (Units)

Table 59. Key Market Drivers & Growth Opportunities of Magnesium(Mg)-based Hydrogen Storage Containers

Table 60. Key Market Challenges & Risks of Magnesium(Mg)-based Hydrogen Storage Containers

- Table 61. Key Industry Trends of Magnesium(Mg)-based Hydrogen Storage Containers
- Table 62. Magnesium(Mg)-based Hydrogen Storage Containers Raw Material
- Table 63. Key Suppliers of Raw Materials
- Table 64. Magnesium(Mg)-based Hydrogen Storage Containers Distributors List
- Table 65. Magnesium(Mg)-based Hydrogen Storage Containers Customer List
- Table 66. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Region (2027-2032) & (Units)
- Table 67. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 68. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Country (2027-2032) & (Units)
- Table 69. Americas Magnesium(Mg)-based Hydrogen Storage Containers Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 70. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Region (2027-2032) & (Units)
- Table 71. APAC Magnesium(Mg)-based Hydrogen Storage Containers Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 72. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Country (2027-2032) & (Units)
- Table 73. Europe Magnesium(Mg)-based Hydrogen Storage Containers Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 74. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Country (2027-2032) & (Units)
- Table 75. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 76. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Type (2027-2032) & (Units)
- Table 77. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Forecast by Type (2027-2032) & (\$ millions)
- Table 78. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Forecast by Application (2027-2032) & (Units)
- Table 79. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Forecast by Application (2027-2032) & (\$ millions)
- Table 80. McPhy Energy Basic Information, Magnesium(Mg)-based Hydrogen Storage Containers Manufacturing Base, Sales Area and Its Competitors
- Table 81. McPhy Energy Magnesium(Mg)-based Hydrogen Storage Containers Product Portfolios and Specifications
- Table 82. McPhy Energy Magnesium(Mg)-based Hydrogen Storage Containers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 83. McPhy Energy Main Business

Table 84. McPhy Energy Latest Developments

Table 85. Hyto Energy Basic Information, Magnesium(Mg)-based Hydrogen Storage Containers Manufacturing Base, Sales Area and Its Competitors

Table 86. Hyto Energy Magnesium(Mg)-based Hydrogen Storage Containers Product Portfolios and Specifications

Table 87. Hyto Energy Magnesium(Mg)-based Hydrogen Storage Containers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 88. Hyto Energy Main Business

Table 89. Hyto Energy Latest Developments

Table 90. Shanghai Hydrexia Basic Information, Magnesium(Mg)-based Hydrogen Storage Containers Manufacturing Base, Sales Area and Its Competitors

Table 91. Shanghai Hydrexia Magnesium(Mg)-based Hydrogen Storage Containers Product Portfolios and Specifications

Table 92. Shanghai Hydrexia Magnesium(Mg)-based Hydrogen Storage Containers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 93. Shanghai Hydrexia Main Business

Table 94. Shanghai Hydrexia Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Magnesium(Mg)-based Hydrogen Storage Containers

Figure 2. Magnesium(Mg)-based Hydrogen Storage Containers Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Growth Rate 2021-2032 (Units)

Figure 7. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Magnesium(Mg)-based Hydrogen Storage Containers Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country/Region (2025)

Figure 10. Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Single Hydride Tank System

Figure 12. Product Picture of Multi-tank Hydride Storage System

Figure 13. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Type in 2026

Figure 14. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Type (2021-2026)

Figure 15. Product Picture of High-temperature Hydride Tank

Figure 16. Product Picture of Medium-temperature Hydride Tank

Figure 17. Product Picture of Low-temperature Hydride Tank

Figure 18. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Temperature in 2026

Figure 19. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Temperature (2021-2026)

Figure 20. Magnesium(Mg)-based Hydrogen Storage Containers Consumed in Hydrogen Storage & Transportation Trailer

Figure 21. Global Magnesium(Mg)-based Hydrogen Storage Containers Market: Hydrogen Storage & Transportation Trailer (2021-2026) & (Units)

Figure 22. Magnesium(Mg)-based Hydrogen Storage Containers Consumed in Hydrogen-electric Energy Storage System

Figure 23. Global Magnesium(Mg)-based Hydrogen Storage Containers Market: Hydrogen-electric Energy Storage System (2021-2026) & (Units)

Figure 24. Global Magnesium(Mg)-based Hydrogen Storage Containers Sale Market Share by Application (2025)

Figure 25. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Application in 2025

Figure 26. Magnesium(Mg)-based Hydrogen Storage Containers Sales by Company in 2025 (Units)

Figure 27. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Company in 2025

Figure 28. Magnesium(Mg)-based Hydrogen Storage Containers Revenue by Company in 2025 (\$ millions)

Figure 29. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Company in 2025

Figure 30. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Geographic Region (2021-2026)

Figure 31. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Geographic Region in 2025

Figure 32. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales 2021-2026 (Units)

Figure 33. Americas Magnesium(Mg)-based Hydrogen Storage Containers Revenue 2021-2026 (\$ millions)

Figure 34. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales 2021-2026 (Units)

Figure 35. APAC Magnesium(Mg)-based Hydrogen Storage Containers Revenue 2021-2026 (\$ millions)

Figure 36. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales 2021-2026 (Units)

Figure 37. Europe Magnesium(Mg)-based Hydrogen Storage Containers Revenue 2021-2026 (\$ millions)

Figure 38. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales 2021-2026 (Units)

Figure 39. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Revenue 2021-2026 (\$ millions)

Figure 40. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country in 2025

Figure 41. Americas Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Country (2021-2026)

Figure 42. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales

Market Share by Type (2021-2026)

Figure 43. Americas Magnesium(Mg)-based Hydrogen Storage Containers Sales

Market Share by Application (2021-2026)

Figure 44. United States Magnesium(Mg)-based Hydrogen Storage Containers

Revenue Growth 2021-2026 (\$ millions)

Figure 45. Canada Magnesium(Mg)-based Hydrogen Storage Containers Revenue

Growth 2021-2026 (\$ millions)

Figure 46. Mexico Magnesium(Mg)-based Hydrogen Storage Containers Revenue

Growth 2021-2026 (\$ millions)

Figure 47. Brazil Magnesium(Mg)-based Hydrogen Storage Containers Revenue

Growth 2021-2026 (\$ millions)

Figure 48. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Region in 2025

Figure 49. APAC Magnesium(Mg)-based Hydrogen Storage Containers Revenue

Market Share by Region (2021-2026)

Figure 50. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Type (2021-2026)

Figure 51. APAC Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Application (2021-2026)

Figure 52. China Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 53. Japan Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 54. South Korea Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 55. Southeast Asia Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 56. India Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 57. Australia Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 58. China Taiwan Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 59. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country in 2025

Figure 60. Europe Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share by Country (2021-2026)

Figure 61. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Type (2021-2026)

Figure 62. Europe Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Application (2021-2026)

Figure 63. Germany Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 64. France Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 65. UK Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 66. Italy Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 67. Russia Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 68. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Country (2021-2026)

Figure 69. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Type (2021-2026)

Figure 70. Middle East & Africa Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share by Application (2021-2026)

Figure 71. Egypt Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 72. South Africa Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 73. Israel Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 74. Turkey Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 75. GCC Countries Magnesium(Mg)-based Hydrogen Storage Containers Revenue Growth 2021-2026 (\$ millions)

Figure 76. Manufacturing Cost Structure Analysis of Magnesium(Mg)-based Hydrogen Storage Containers in 2026

Figure 77. Manufacturing Process Analysis of Magnesium(Mg)-based Hydrogen Storage Containers

Figure 78. Industry Chain Structure of Magnesium(Mg)-based Hydrogen Storage Containers

Figure 79. Channels of Distribution

Figure 80. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Forecast by Region (2027-2032)

Figure 81. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share Forecast by Region (2027-2032)

Figure 82. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share Forecast by Type (2027-2032)

Figure 83. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share Forecast by Type (2027-2032)

Figure 84. Global Magnesium(Mg)-based Hydrogen Storage Containers Sales Market Share Forecast by Application (2027-2032)

Figure 85. Global Magnesium(Mg)-based Hydrogen Storage Containers Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Magnesium(Mg)-based Hydrogen Storage Containers Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GA37AA01E5C8EN.html>

Price: US\$ 3,660.00 (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/GA37AA01E5C8EN.html>