

# Global Industrial Hydrogen Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Industrial Hydrogen market size was valued at USD 124190 million in 2023 and is forecast to a readjusted size of USD 141820 million by 2030 with a CAGR of 1.9% during review period.

Hydrogen (H<sub>2</sub>) is an odourless and tasteless gas that is mainly produced through natural gas steam reforming or the electrolysis of water. Lighter than air, it burns with an invisible, clean (carbon-free and soot-free) flame. It is the only fuel gas that does not contain any carbon atoms.

Global Industrial Hydrogen key players include Linde Group, Air Liquide, Air Products, Air Water, Taiyo Nippon Sanso, etc. Global top five manufacturers hold a share over 5%.

Asia-Pacific is the largest market, with a share over 40%, followed by North America and Europe, both have a share about 30% percent. In terms of product, Captive Hydrogen is the largest segment, with a share over 80%. And in terms of application, the largest application is Oil Refining, followed by Ammonia Production & Methanol Production.

The Global Info Research report includes an overview of the development of the Industrial Hydrogen industry chain, the market status of Oil Refining (Captive Hydrogen, Merchant Hydrogen), Ammonia Production (Captive Hydrogen, Merchant Hydrogen), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Industrial Hydrogen.

Regionally, the report analyzes the Industrial Hydrogen markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Industrial Hydrogen market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Industrial Hydrogen market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Industrial Hydrogen industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Captive Hydrogen, Merchant Hydrogen).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Industrial Hydrogen market.

**Regional Analysis:** The report involves examining the Industrial Hydrogen market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Industrial Hydrogen market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Industrial Hydrogen:

**Company Analysis:** Report covers individual Industrial Hydrogen manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and

strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Industrial Hydrogen. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Oil Refining, Ammonia Production).

**Technology Analysis:** Report covers specific technologies relevant to Industrial Hydrogen. It assesses the current state, advancements, and potential future developments in Industrial Hydrogen areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Industrial Hydrogen market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Industrial Hydrogen market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Captive Hydrogen

Merchant Hydrogen

### Market segment by Application

Oil Refining

Ammonia Production

Methanol Production

Steel Production

Others

Major players covered

Linde Group

Air Liquide

Air Products

Air Water

Taiyo Nippon Sanso

Messer Group

Yingde Gases

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Industrial Hydrogen product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Industrial Hydrogen, with price, sales, revenue and global market share of Industrial Hydrogen from 2019 to 2024.

Chapter 3, the Industrial Hydrogen competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Industrial Hydrogen breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Industrial Hydrogen market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Industrial Hydrogen.

Chapter 14 and 15, to describe Industrial Hydrogen sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Industrial Hydrogen
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Industrial Hydrogen Consumption Value by Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 Captive Hydrogen
  - 1.3.3 Merchant Hydrogen
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Industrial Hydrogen Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Oil Refining
  - 1.4.3 Ammonia Production
  - 1.4.4 Methanol Production
  - 1.4.5 Steel Production
  - 1.4.6 Others
- 1.5 Global Industrial Hydrogen Market Size & Forecast
  - 1.5.1 Global Industrial Hydrogen Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Industrial Hydrogen Sales Quantity (2019-2030)
  - 1.5.3 Global Industrial Hydrogen Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 Linde Group
  - 2.1.1 Linde Group Details
  - 2.1.2 Linde Group Major Business
  - 2.1.3 Linde Group Industrial Hydrogen Product and Services
  - 2.1.4 Linde Group Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 Linde Group Recent Developments/Updates
- 2.2 Air Liquide
  - 2.2.1 Air Liquide Details
  - 2.2.2 Air Liquide Major Business
  - 2.2.3 Air Liquide Industrial Hydrogen Product and Services
  - 2.2.4 Air Liquide Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 Air Liquide Recent Developments/Updates
- 2.3 Air Products
  - 2.3.1 Air Products Details
  - 2.3.2 Air Products Major Business
  - 2.3.3 Air Products Industrial Hydrogen Product and Services
  - 2.3.4 Air Products Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 Air Products Recent Developments/Updates
- 2.4 Air Water
  - 2.4.1 Air Water Details
  - 2.4.2 Air Water Major Business
  - 2.4.3 Air Water Industrial Hydrogen Product and Services
  - 2.4.4 Air Water Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 Air Water Recent Developments/Updates
- 2.5 Taiyo Nippon Sanso
  - 2.5.1 Taiyo Nippon Sanso Details
  - 2.5.2 Taiyo Nippon Sanso Major Business
  - 2.5.3 Taiyo Nippon Sanso Industrial Hydrogen Product and Services
  - 2.5.4 Taiyo Nippon Sanso Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Taiyo Nippon Sanso Recent Developments/Updates
- 2.6 Messer Group
  - 2.6.1 Messer Group Details
  - 2.6.2 Messer Group Major Business
  - 2.6.3 Messer Group Industrial Hydrogen Product and Services
  - 2.6.4 Messer Group Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 Messer Group Recent Developments/Updates
- 2.7 Yingde Gases
  - 2.7.1 Yingde Gases Details
  - 2.7.2 Yingde Gases Major Business
  - 2.7.3 Yingde Gases Industrial Hydrogen Product and Services
  - 2.7.4 Yingde Gases Industrial Hydrogen Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 Yingde Gases Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: INDUSTRIAL HYDROGEN BY MANUFACTURER**



- 3.1 Global Industrial Hydrogen Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Industrial Hydrogen Revenue by Manufacturer (2019-2024)
- 3.3 Global Industrial Hydrogen Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Industrial Hydrogen by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Industrial Hydrogen Manufacturer Market Share in 2023
  - 3.4.2 Top 6 Industrial Hydrogen Manufacturer Market Share in 2023
- 3.5 Industrial Hydrogen Market: Overall Company Footprint Analysis
  - 3.5.1 Industrial Hydrogen Market: Region Footprint
  - 3.5.2 Industrial Hydrogen Market: Company Product Type Footprint
  - 3.5.3 Industrial Hydrogen Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Industrial Hydrogen Market Size by Region
  - 4.1.1 Global Industrial Hydrogen Sales Quantity by Region (2019-2030)
  - 4.1.2 Global Industrial Hydrogen Consumption Value by Region (2019-2030)
  - 4.1.3 Global Industrial Hydrogen Average Price by Region (2019-2030)
- 4.2 North America Industrial Hydrogen Consumption Value (2019-2030)
- 4.3 Europe Industrial Hydrogen Consumption Value (2019-2030)
- 4.4 Asia-Pacific Industrial Hydrogen Consumption Value (2019-2030)
- 4.5 South America Industrial Hydrogen Consumption Value (2019-2030)
- 4.6 Middle East and Africa Industrial Hydrogen Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Industrial Hydrogen Sales Quantity by Type (2019-2030)
- 5.2 Global Industrial Hydrogen Consumption Value by Type (2019-2030)
- 5.3 Global Industrial Hydrogen Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Industrial Hydrogen Sales Quantity by Application (2019-2030)
- 6.2 Global Industrial Hydrogen Consumption Value by Application (2019-2030)
- 6.3 Global Industrial Hydrogen Average Price by Application (2019-2030)



## **7 NORTH AMERICA**

- 7.1 North America Industrial Hydrogen Sales Quantity by Type (2019-2030)
- 7.2 North America Industrial Hydrogen Sales Quantity by Application (2019-2030)
- 7.3 North America Industrial Hydrogen Market Size by Country
  - 7.3.1 North America Industrial Hydrogen Sales Quantity by Country (2019-2030)
  - 7.3.2 North America Industrial Hydrogen Consumption Value by Country (2019-2030)
  - 7.3.3 United States Market Size and Forecast (2019-2030)
  - 7.3.4 Canada Market Size and Forecast (2019-2030)
  - 7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

- 8.1 Europe Industrial Hydrogen Sales Quantity by Type (2019-2030)
- 8.2 Europe Industrial Hydrogen Sales Quantity by Application (2019-2030)
- 8.3 Europe Industrial Hydrogen Market Size by Country
  - 8.3.1 Europe Industrial Hydrogen Sales Quantity by Country (2019-2030)
  - 8.3.2 Europe Industrial Hydrogen Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
  - 8.3.4 France Market Size and Forecast (2019-2030)
  - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
  - 8.3.6 Russia Market Size and Forecast (2019-2030)
  - 8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Industrial Hydrogen Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Industrial Hydrogen Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Industrial Hydrogen Market Size by Region
  - 9.3.1 Asia-Pacific Industrial Hydrogen Sales Quantity by Region (2019-2030)
  - 9.3.2 Asia-Pacific Industrial Hydrogen Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
  - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
  - 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

- 10.1 South America Industrial Hydrogen Sales Quantity by Type (2019-2030)
- 10.2 South America Industrial Hydrogen Sales Quantity by Application (2019-2030)
- 10.3 South America Industrial Hydrogen Market Size by Country
  - 10.3.1 South America Industrial Hydrogen Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Industrial Hydrogen Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Industrial Hydrogen Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Industrial Hydrogen Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Industrial Hydrogen Market Size by Country
  - 11.3.1 Middle East & Africa Industrial Hydrogen Sales Quantity by Country (2019-2030)
  - 11.3.2 Middle East & Africa Industrial Hydrogen Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

- 12.1 Industrial Hydrogen Market Drivers
- 12.2 Industrial Hydrogen Market Restraints
- 12.3 Industrial Hydrogen Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Industrial Hydrogen and Key Manufacturers

13.2 Manufacturing Costs Percentage of Industrial Hydrogen

13.3 Industrial Hydrogen Production Process

13.4 Industrial Hydrogen Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Industrial Hydrogen Typical Distributors

14.3 Industrial Hydrogen Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Industrial Hydrogen Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Industrial Hydrogen Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Linde Group Basic Information, Manufacturing Base and Competitors

Table 4. Linde Group Major Business

Table 5. Linde Group Industrial Hydrogen Product and Services

Table 6. Linde Group Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Linde Group Recent Developments/Updates

Table 8. Air Liquide Basic Information, Manufacturing Base and Competitors

Table 9. Air Liquide Major Business

Table 10. Air Liquide Industrial Hydrogen Product and Services

Table 11. Air Liquide Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Air Liquide Recent Developments/Updates

Table 13. Air Products Basic Information, Manufacturing Base and Competitors

Table 14. Air Products Major Business

Table 15. Air Products Industrial Hydrogen Product and Services

Table 16. Air Products Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Air Products Recent Developments/Updates

Table 18. Air Water Basic Information, Manufacturing Base and Competitors

Table 19. Air Water Major Business

Table 20. Air Water Industrial Hydrogen Product and Services

Table 21. Air Water Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Air Water Recent Developments/Updates

Table 23. Taiyo Nippon Sanso Basic Information, Manufacturing Base and Competitors

Table 24. Taiyo Nippon Sanso Major Business

Table 25. Taiyo Nippon Sanso Industrial Hydrogen Product and Services

Table 26. Taiyo Nippon Sanso Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Taiyo Nippon Sanso Recent Developments/Updates

Table 28. Messer Group Basic Information, Manufacturing Base and Competitors

Table 29. Messer Group Major Business

Table 30. Messer Group Industrial Hydrogen Product and Services

Table 31. Messer Group Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Messer Group Recent Developments/Updates

Table 33. Yingde Gases Basic Information, Manufacturing Base and Competitors

Table 34. Yingde Gases Major Business

Table 35. Yingde Gases Industrial Hydrogen Product and Services

Table 36. Yingde Gases Industrial Hydrogen Sales Quantity (K MT), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Yingde Gases Recent Developments/Updates

Table 38. Global Industrial Hydrogen Sales Quantity by Manufacturer (2019-2024) & (K MT)

Table 39. Global Industrial Hydrogen Revenue by Manufacturer (2019-2024) & (USD Million)

Table 40. Global Industrial Hydrogen Average Price by Manufacturer (2019-2024) & (US\$/Ton)

Table 41. Market Position of Manufacturers in Industrial Hydrogen, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 42. Head Office and Industrial Hydrogen Production Site of Key Manufacturer

Table 43. Industrial Hydrogen Market: Company Product Type Footprint

Table 44. Industrial Hydrogen Market: Company Product Application Footprint

Table 45. Industrial Hydrogen New Market Entrants and Barriers to Market Entry

Table 46. Industrial Hydrogen Mergers, Acquisition, Agreements, and Collaborations

Table 47. Global Industrial Hydrogen Sales Quantity by Region (2019-2024) & (K MT)

Table 48. Global Industrial Hydrogen Sales Quantity by Region (2025-2030) & (K MT)

Table 49. Global Industrial Hydrogen Consumption Value by Region (2019-2024) & (USD Million)

Table 50. Global Industrial Hydrogen Consumption Value by Region (2025-2030) & (USD Million)

Table 51. Global Industrial Hydrogen Average Price by Region (2019-2024) & (US\$/Ton)

Table 52. Global Industrial Hydrogen Average Price by Region (2025-2030) & (US\$/Ton)

Table 53. Global Industrial Hydrogen Sales Quantity by Type (2019-2024) & (K MT)

Table 54. Global Industrial Hydrogen Sales Quantity by Type (2025-2030) & (K MT)

Table 55. Global Industrial Hydrogen Consumption Value by Type (2019-2024) & (USD Million)

Table 56. Global Industrial Hydrogen Consumption Value by Type (2025-2030) & (USD Million)

Million)

Table 57. Global Industrial Hydrogen Average Price by Type (2019-2024) & (US\$/Ton)

Table 58. Global Industrial Hydrogen Average Price by Type (2025-2030) & (US\$/Ton)

Table 59. Global Industrial Hydrogen Sales Quantity by Application (2019-2024) & (K MT)

Table 60. Global Industrial Hydrogen Sales Quantity by Application (2025-2030) & (K MT)

Table 61. Global Industrial Hydrogen Consumption Value by Application (2019-2024) & (USD Million)

Table 62. Global Industrial Hydrogen Consumption Value by Application (2025-2030) & (USD Million)

Table 63. Global Industrial Hydrogen Average Price by Application (2019-2024) & (US\$/Ton)

Table 64. Global Industrial Hydrogen Average Price by Application (2025-2030) & (US\$/Ton)

Table 65. North America Industrial Hydrogen Sales Quantity by Type (2019-2024) & (K MT)

Table 66. North America Industrial Hydrogen Sales Quantity by Type (2025-2030) & (K MT)

Table 67. North America Industrial Hydrogen Sales Quantity by Application (2019-2024) & (K MT)

Table 68. North America Industrial Hydrogen Sales Quantity by Application (2025-2030) & (K MT)

Table 69. North America Industrial Hydrogen Sales Quantity by Country (2019-2024) & (K MT)

Table 70. North America Industrial Hydrogen Sales Quantity by Country (2025-2030) & (K MT)

Table 71. North America Industrial Hydrogen Consumption Value by Country (2019-2024) & (USD Million)

Table 72. North America Industrial Hydrogen Consumption Value by Country (2025-2030) & (USD Million)

Table 73. Europe Industrial Hydrogen Sales Quantity by Type (2019-2024) & (K MT)

Table 74. Europe Industrial Hydrogen Sales Quantity by Type (2025-2030) & (K MT)

Table 75. Europe Industrial Hydrogen Sales Quantity by Application (2019-2024) & (K MT)

Table 76. Europe Industrial Hydrogen Sales Quantity by Application (2025-2030) & (K MT)

Table 77. Europe Industrial Hydrogen Sales Quantity by Country (2019-2024) & (K MT)

Table 78. Europe Industrial Hydrogen Sales Quantity by Country (2025-2030) & (K MT)



Table 79. Europe Industrial Hydrogen Consumption Value by Country (2019-2024) & (USD Million)

Table 80. Europe Industrial Hydrogen Consumption Value by Country (2025-2030) & (USD Million)

Table 81. Asia-Pacific Industrial Hydrogen Sales Quantity by Type (2019-2024) & (K MT)

Table 82. Asia-Pacific Industrial Hydrogen Sales Quantity by Type (2025-2030) & (K MT)

Table 83. Asia-Pacific Industrial Hydrogen Sales Quantity by Application (2019-2024) & (K MT)

Table 84. Asia-Pacific Industrial Hydrogen Sales Quantity by Application (2025-2030) & (K MT)

Table 85. Asia-Pacific Industrial Hydrogen Sales Quantity by Region (2019-2024) & (K MT)

Table 86. Asia-Pacific Industrial Hydrogen Sales Quantity by Region (2025-2030) & (K MT)

Table 87. Asia-Pacific Industrial Hydrogen Consumption Value by Region (2019-2024) & (USD Million)

Table 88. Asia-Pacific Industrial Hydrogen Consumption Value by Region (2025-2030) & (USD Million)

Table 89. South America Industrial Hydrogen Sales Quantity by Type (2019-2024) & (K MT)

Table 90. South America Industrial Hydrogen Sales Quantity by Type (2025-2030) & (K MT)

Table 91. South America Industrial Hydrogen Sales Quantity by Application (2019-2024) & (K MT)

Table 92. South America Industrial Hydrogen Sales Quantity by Application (2025-2030) & (K MT)

Table 93. South America Industrial Hydrogen Sales Quantity by Country (2019-2024) & (K MT)

Table 94. South America Industrial Hydrogen Sales Quantity by Country (2025-2030) & (K MT)

Table 95. South America Industrial Hydrogen Consumption Value by Country (2019-2024) & (USD Million)

Table 96. South America Industrial Hydrogen Consumption Value by Country (2025-2030) & (USD Million)

Table 97. Middle East & Africa Industrial Hydrogen Sales Quantity by Type (2019-2024) & (K MT)

Table 98. Middle East & Africa Industrial Hydrogen Sales Quantity by Type (2025-2030)



& (K MT)

Table 99. Middle East & Africa Industrial Hydrogen Sales Quantity by Application (2019-2024) & (K MT)

Table 100. Middle East & Africa Industrial Hydrogen Sales Quantity by Application (2025-2030) & (K MT)

Table 101. Middle East & Africa Industrial Hydrogen Sales Quantity by Region (2019-2024) & (K MT)

Table 102. Middle East & Africa Industrial Hydrogen Sales Quantity by Region (2025-2030) & (K MT)

Table 103. Middle East & Africa Industrial Hydrogen Consumption Value by Region (2019-2024) & (USD Million)

Table 104. Middle East & Africa Industrial Hydrogen Consumption Value by Region (2025-2030) & (USD Million)

Table 105. Industrial Hydrogen Raw Material

Table 106. Key Manufacturers of Industrial Hydrogen Raw Materials

Table 107. Industrial Hydrogen Typical Distributors

Table 108. Industrial Hydrogen Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Industrial Hydrogen Picture

Figure 2. Global Industrial Hydrogen Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Industrial Hydrogen Consumption Value Market Share by Type in 2023

Figure 4. Captive Hydrogen Examples

Figure 5. Merchant Hydrogen Examples

Figure 6. Global Industrial Hydrogen Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Industrial Hydrogen Consumption Value Market Share by Application in 2023

Figure 8. Oil Refining Examples

Figure 9. Ammonia Production Examples

Figure 10. Methanol Production Examples

Figure 11. Steel Production Examples

Figure 12. Others Examples

Figure 13. Global Industrial Hydrogen Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 14. Global Industrial Hydrogen Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 15. Global Industrial Hydrogen Sales Quantity (2019-2030) & (K MT)

Figure 16. Global Industrial Hydrogen Average Price (2019-2030) & (US\$/Ton)

Figure 17. Global Industrial Hydrogen Sales Quantity Market Share by Manufacturer in 2023

Figure 18. Global Industrial Hydrogen Consumption Value Market Share by Manufacturer in 2023

Figure 19. Producer Shipments of Industrial Hydrogen by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 20. Top 3 Industrial Hydrogen Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Top 6 Industrial Hydrogen Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Global Industrial Hydrogen Sales Quantity Market Share by Region (2019-2030)

Figure 23. Global Industrial Hydrogen Consumption Value Market Share by Region (2019-2030)

Figure 24. North America Industrial Hydrogen Consumption Value (2019-2030) & (USD Million)

Figure 25. Europe Industrial Hydrogen Consumption Value (2019-2030) & (USD Million)

Figure 26. Asia-Pacific Industrial Hydrogen Consumption Value (2019-2030) & (USD Million)

Figure 27. South America Industrial Hydrogen Consumption Value (2019-2030) & (USD Million)

Figure 28. Middle East & Africa Industrial Hydrogen Consumption Value (2019-2030) & (USD Million)

Figure 29. Global Industrial Hydrogen Sales Quantity Market Share by Type (2019-2030)

Figure 30. Global Industrial Hydrogen Consumption Value Market Share by Type (2019-2030)

Figure 31. Global Industrial Hydrogen Average Price by Type (2019-2030) & (US\$/Ton)

Figure 32. Global Industrial Hydrogen Sales Quantity Market Share by Application (2019-2030)

Figure 33. Global Industrial Hydrogen Consumption Value Market Share by Application (2019-2030)

Figure 34. Global Industrial Hydrogen Average Price by Application (2019-2030) & (US\$/Ton)

Figure 35. North America Industrial Hydrogen Sales Quantity Market Share by Type (2019-2030)

Figure 36. North America Industrial Hydrogen Sales Quantity Market Share by Application (2019-2030)

Figure 37. North America Industrial Hydrogen Sales Quantity Market Share by Country (2019-2030)

Figure 38. North America Industrial Hydrogen Consumption Value Market Share by Country (2019-2030)

Figure 39. United States Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Canada Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Mexico Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Europe Industrial Hydrogen Sales Quantity Market Share by Type (2019-2030)

Figure 43. Europe Industrial Hydrogen Sales Quantity Market Share by Application (2019-2030)

Figure 44. Europe Industrial Hydrogen Sales Quantity Market Share by Country

(2019-2030)

Figure 45. Europe Industrial Hydrogen Consumption Value Market Share by Country (2019-2030)

Figure 46. Germany Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. France Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. United Kingdom Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Russia Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Italy Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Asia-Pacific Industrial Hydrogen Sales Quantity Market Share by Type (2019-2030)

Figure 52. Asia-Pacific Industrial Hydrogen Sales Quantity Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Industrial Hydrogen Sales Quantity Market Share by Region (2019-2030)

Figure 54. Asia-Pacific Industrial Hydrogen Consumption Value Market Share by Region (2019-2030)

Figure 55. China Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Japan Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Korea Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. India Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Southeast Asia Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Australia Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. South America Industrial Hydrogen Sales Quantity Market Share by Type (2019-2030)

Figure 62. South America Industrial Hydrogen Sales Quantity Market Share by Application (2019-2030)

Figure 63. South America Industrial Hydrogen Sales Quantity Market Share by Country (2019-2030)

Figure 64. South America Industrial Hydrogen Consumption Value Market Share by Country (2019-2030)

Figure 65. Brazil Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Argentina Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Middle East & Africa Industrial Hydrogen Sales Quantity Market Share by Type (2019-2030)

Figure 68. Middle East & Africa Industrial Hydrogen Sales Quantity Market Share by Application (2019-2030)

Figure 69. Middle East & Africa Industrial Hydrogen Sales Quantity Market Share by Region (2019-2030)

Figure 70. Middle East & Africa Industrial Hydrogen Consumption Value Market Share by Region (2019-2030)

Figure 71. Turkey Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Egypt Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Saudi Arabia Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. South Africa Industrial Hydrogen Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Industrial Hydrogen Market Drivers

Figure 76. Industrial Hydrogen Market Restraints

Figure 77. Industrial Hydrogen Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Industrial Hydrogen in 2023

Figure 80. Manufacturing Process Analysis of Industrial Hydrogen

Figure 81. Industrial Hydrogen Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

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