

Global Hydrogen Gas 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 Hydrogen Gas market size was valued at USD 186890 million in 2023 and is forecast to a readjusted size of USD 223420 million by 2030 with a CAGR of 2.6% during review period.

Hydrogen (H₂) gas 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.

Hydrogen produced through renewable-powered electrolysis is used as a fuel in vehicles, or it is stored and used later in fuel cells to generate electricity. Furthermore, some of the major countries, such as Germany, Japan, and the U.S., are looking to adopt hydrogen as transportation fuel over conventional fossil fuels, which would boost the market growth in the forecast period. The timetable for the global ban on the sale of fuel vehicles has been clear, which will promote the development of new energy vehicles. Hydrogen energy vehicles are an important branch. Hydrogen is an environmentally friendly gas and also a friendly fuel. With strict restrictions on carbon emissions in various countries, it will stimulate hydrogen as an environmentally friendly energy source.

The Global Info Research report includes an overview of the development of the Hydrogen Gas 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 Hydrogen Gas.

Regionally, the report analyzes the Hydrogen Gas 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 Hydrogen Gas market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Hydrogen Gas 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 Hydrogen Gas 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 Hydrogen Gas market.

Regional Analysis: The report involves examining the Hydrogen Gas 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 Hydrogen Gas market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

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

Company Analysis: Report covers individual Hydrogen Gas 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 Hydrogen Gas. 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 Hydrogen Gas. It assesses the current state, advancements, and potential future developments in Hydrogen Gas areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Hydrogen Gas 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

Hydrogen Gas 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

Yinde Gas

Meijin Energy

Donghua Energy

Sinopec

Huachang Chemical

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 Hydrogen Gas product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Hydrogen Gas 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 Hydrogen Gas 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 Hydrogen Gas.

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

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