

Global Green 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 Green Hydrogen market size was valued at USD 204.8 million in 2023 and is forecast to a readjusted size of USD 415.1 million by 2030 with a CAGR of 10.6% during review period.

Green hydrogen is produced by the electrolysis of water for which electricity is required, and is provided by green energy sources, such as wind or solar. Organizations are investing in the establishment of new green hydrogen production plants that will help in reducing GHG emissions.

The Asia Pacific region has a major market share of over 40%, followed by Europe and North America.

The key manufacturers are Proton On-Site, 718th Research Institute of CSIC, Teledyne Energy Systems, Hydrogenics, Nel Hydrogen, Suzhou Jingli, Beijing Zhongdian, McPhy, Siemens, TianJin Mainland, Toshiba Energy Systems and Solutions Corporation, Idroenergy Spa, Erredue SpA etc. The 718 Research Institute is the largest producer with a share of more than 20%.

The Global Info Research report includes an overview of the development of the Green Hydrogen industry chain, the market status of Wind Energy (Alkaline (ALK) Electrolyzer, Proton Exchange Membrane (PEM) Electrolyzer), Solar Energy (Alkaline (ALK) Electrolyzer, Proton Exchange Membrane (PEM) Electrolyzer), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Green Hydrogen.

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

Key Features:

The report presents comprehensive understanding of the Green 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 Green 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 (Units), revenue generated, and market share of different by Type (e.g., Alkaline (ALK) Electrolyzer, Proton Exchange Membrane (PEM) Electrolyzer).

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 Green Hydrogen market.

Regional Analysis: The report involves examining the Green 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 Green 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 Green Hydrogen:

Company Analysis: Report covers individual Green 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 Green Hydrogen. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Wind Energy, Solar Energy).

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

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

Green 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

Alkaline (ALK) Electrolyzer

Proton Exchange Membrane (PEM) Electrolyzer

Market segment by Application

Wind Energy

Solar Energy

Biomass

Others

Major players covered

Proton On-Site

718th Research Institute of CSIC

Teledyne Energy Systems

Hydrogenics

Nel Hydrogen

Suzhou Jingli

Beijing Zhongdian

McPhy

Siemens

TianJin Mainland

Toshiba Energy Systems and Solutions Corporation

Idroenergy Spa

Erredue SpA

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

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

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

Chapter 4, the Green 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 Green 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 Green Hydrogen.

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

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