

# Global Green Hydrogen Market Growth 2024-2030

<https://marketpublishers.com/r/G8851556DFABEN.html>

Date: May 2024

Pages: 145

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

ID: G8851556DFABEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

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 global Green Hydrogen market size is projected to grow from US\$ 2211 million in 2024 to US\$ 30560 million in 2030; it is expected to grow at a CAGR of 54.9% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Green Hydrogen Industry Forecast" looks at past sales and reviews total world Green Hydrogen sales in 2023, providing a comprehensive analysis by region and market sector of projected Green Hydrogen sales for 2024 through 2030. With Green Hydrogen sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Green Hydrogen industry.

This Insight Report provides a comprehensive analysis of the global Green Hydrogen 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 Green Hydrogen portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Green Hydrogen market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Green Hydrogen 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 Green Hydrogen.

Global key players of Green Hydrogen include Plug Power, Nel Hydrogen, 718th Research Institute of CSIC, Sungrow Power Supply, ThyssenKrupp, etc. The top five players hold a share about 56%. North America is the largest market, and has a share about 33%, followed by China and Europe with share 25% and 23%, separately. In terms of product type, Proton Exchange Membrane (PEM) Electrolyzer is the largest segment, occupied for a share of 54%. In terms of application, Solar Energy has a share about 50 percent.

This report presents a comprehensive overview, market shares, and growth opportunities of Green Hydrogen market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Alkaline (ALK) Electrolyzer

Proton Exchange Membrane (PEM) Electrolyzer

Others

#### Segmentation by Application:

Solar Energy

Wind Energy

Biomass

Others

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.

Plug Power

Nel Hydrogen

718th Research Institute of CSIC

Sungrow Power Supply

ThyssenKrupp

Longi Green Energy Technology

Cockerill Jingli Hydrogen

Siemens

Shandong Saikesaisi Hydrogen Energy

Hydrogen Pro

Cummins

TianJin Mainland

SANY Hydrogen

H2B2

McPhy

Yangzhou Chungdean Hydrogen Equipment

Teledyne Energy Systems

Beijing Zhongdian

Toshiba

Shenzhen Kohodo Hydrogen Energy

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Green Hydrogen market?

What factors are driving Green Hydrogen market growth, globally and by region?

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

How do Green Hydrogen market opportunities vary by end market size?

How does Green Hydrogen break out by Type, by Application?

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