

Global Hydrogen Gas Market Growth 2025-2031

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Abstracts

The global Hydrogen Gas market size is predicted to grow from US\$ 195740 million in 2025 to US\$ 231030 million in 2031; it is expected to grow at a CAGR of 2.8% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

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.

LP Information, Inc. (LPI) ' newest research report, the "Hydrogen Gas Industry Forecast" looks at past sales and reviews total world Hydrogen Gas sales in 2024, providing a comprehensive analysis by region and market sector of projected Hydrogen Gas sales for 2025 through 2031. With Hydrogen Gas sales broken down by region,

market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hydrogen Gas industry.

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

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

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

Segmentation by Type:

Captive Hydrogen

Merchant Hydrogen

Segmentation by Application:

Oil Refining

Ammonia Production

Methanol Production

Steel Production

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.

Linde Group

Air Liquide

Air Products

Air Water

Taiyo Nippon Sanso

Messer Group

Yinde Gas

Meijin Energy

Donghua Energy

Sinopec

Huachang Chemical

Key Questions Addressed in this Report

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

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

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

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

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

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