

# Global Hydrogen for Fuel Cells Market Growth 2025-2031

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## Abstracts

The global Hydrogen for Fuel Cells market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

Fuel cells use hydrogen gas as fuel. A fuel cell is a device that converts hydrogen and oxygen into electrical energy through a chemical reaction. In a fuel cell, hydrogen is oxidized to hydrogen ions and electrons on the anode (negative) side, and oxygen is reduced to water on the cathode (positive) side. The electrons released during this process generate current through external circuits, thereby generating electrical energy.

According to data released by the China Association of Automobile Manufacturers, in December 2022, the production and sales of hydrogen fuel cell vehicles in China was 653 and 607, respectively. In the whole year of 2022, the production and sales of hydrogen fuel cell vehicles was 3,626 and 3,367, a year-on-year increase of 105.4% and 112.8%, respectively. According to our Fuel Cell Research Center, by the end of 2022, the number of fuel cell vehicles in the world had reached 67,000 units, a year-on-year increase of 36.6%. Among them, the number of fuel cell vehicles in China was 12,682 units.

LP Information, Inc. (LPI) ' newest research report, the "Hydrogen for Fuel Cells Industry Forecast" looks at past sales and reviews total world Hydrogen for Fuel Cells sales in 2024, providing a comprehensive analysis by region and market sector of projected Hydrogen for Fuel Cells sales for 2025 through 2031. With Hydrogen for Fuel Cells sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hydrogen for Fuel Cells industry.

This Insight Report provides a comprehensive analysis of the global Hydrogen for Fuel

Cells 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 for Fuel Cells portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hydrogen for Fuel Cells market.

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

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

#### Segmentation by Type:

Total S Content 0.001 ppm

Total S Content Below 0.001 ppm

#### Segmentation by Application:

Alkaline Fuel Cell

Acid Fuel Cell

Solid Oxide Fuel Cell

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

Hubei Heyuan Gas

Beijing SinoHy Energy

Yingde Gases

Shanxi Meijin Energy

Oriental Energy

SINOPEC

Key Questions Addressed in this Report

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

What factors are driving Hydrogen for Fuel Cells market growth, globally and by region?

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

How do Hydrogen for Fuel Cells market opportunities vary by end market size?

How does Hydrogen for Fuel Cells break out by Type, by Application?

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