

# 2018-2023 Global Hydrogen and Fuel Cells Consumption Market Report

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## Abstracts

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

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Hydrogen and Fuel Cells market for 2018-2023.

Hydrogen and Fuel Cells use hydrogen as a chemical element, and are made into batteries that store energy. The basic principle is the reverse reaction of electrolysis of water, hydrogen and oxygen were supplied to the cathode and anode, hydrogen diffusion through the cathode and the electrolyte reaction, the release of electrons through the external load to reach the anode.

North America was the largest consumption market with a market share of 56.55% in 2012 and 60.27% in 2016 with an increase of 3.72%. Japan ranked the second place with the market share of 15.51% in 2016.

Nowadays, the top three companies make up more than 30.76% market share of the Hydrogen and Fuel Cells market in 2016, and the world's large enterprises are mainly concentrated in North America and Japan. The top three manufacturers are Fuel Cell Energy, Panasonic and Plug Power. They respectively with global production market share as 10.88%, 10.02%, and 9.86% in 2016.

Hydrogen and Fuel Cells are widely used in Stationary, Transport, Portable etc. In 2013 – 2014, the industry experience an obvious growth, but with the market returning to a reasonable state, from 2015, the market growth rate fell to a steady level.

Over the next five years, LPI(LP Information) projects that Hydrogen and Fuel Cells will register a 14.9% CAGR in terms of revenue, reach US\$ 3010 million by 2023, from US\$ 1310 million in 2017.

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

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Air-cooled Type

Water-cooled Type

Segmentation by application:

Stationary

Transport

Portable

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

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key

manufacturers covered in this report:

Fuel Cell Energy

Panasonic

Plug Power

Intelligent Energy

Toshiba

Hyster-Yale Group

Ballard Power Systems

Doosan Fuel Cell

Nedstack

Hydrogenics

Pearl Hydrogen

Sunrise Power

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

#### Research objectives

To study and analyze the global Hydrogen and Fuel Cells consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Hydrogen and Fuel Cells market by identifying its

various subsegments.

Focuses on the key global Hydrogen and Fuel Cells manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Hydrogen and Fuel Cells with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Hydrogen and Fuel Cells submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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