

Global Clean Hydrogen Market Size study & Forecast, by Type (Blue Hydrogen and Green Hydrogen), by Method (Electrolysis and Carbon Capture), by Application (Industrial, Transportation, Power and Others) and Regional Analysis, 2022-2029

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Abstracts

Global Clean Hydrogen Market is valued at approximately USD 3.32 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 14.5% over the forecast period 2022-2029. Hydrogen is an alternative to methane, also known as natural gas. Clean hydrogen is produced with zero emission of carbon dioxide into the environment. Clean hydrogen gas is a great alternative to fossil fuels that will be used in various sectors such as power generation, building, industry, and transportation. The increased demand for clean hydrogen in the transport sector is the key factor responsible for the market growth over the forecast period.

As the demand for fuel cell vehicles increases, the growth of clean hydrogen gas in the transporter sector also increases which raises the market growth. According to the International Energy Agency, in 2021, more than 730 hydrogen refueling stations are open across the world with the rise in global fuel cell electric vehicles and expected to rise to 3000 refilling stations by 2025. Also, the increased awareness regarding carbon emissions and growing industrialization and modernization are creating a lucrative growth prospectus for the market over the forecast period. Moreover, various government policies are supporting the growth of the clean hydrogen market and technological advancements are anticipated to create a positive outlook for the market. However, limited international trade stifle market growth throughout the forecast period of 2022-2029.

The key regions considered for the Clean Hydrogen Market study includes Asia Pacific,

North America, Europe, Latin America, and Rest of the World. North America dominated the Clean Hydrogen Market in terms of revenue share, owing to the increased production of clean hydrogen gas by major players and increasing the demand for clear hydrogen in the automobile and industrial sector. Europe is expected to grow with the highest CAGR during the forecast period, due to increased funding for research and development by key players. For instance-according to the European Union, Europe's green hydrogen capacity is set to reach 2.7 gigawatts by 2025. And the EU has \$4.56 billion of annual funding potential for hydrogen projects in 2021-30.

Major market player included in this report are:

Saudi Aramco

Iberdrola SA

China Petroleum & Chemical Corporation

Linde plc

ExxonMobil

FuelCell Energy Inc

Air Products & Chemicals Inc

Plug Power Inc.

Orsted A/S

Enel Green Power Spa

Recent Developments in the Market:

? In June 2022, Siemens Energy and Air Liquide S.A. formed a joint venture to produce renewable hydrogen electrolyzers to scale the industrial sector. This production is expected to begin in the half of 2023, with a capacity of three gigatons per year by 2025.

Global Clean Hydrogen Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Method, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries

involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Blue Hydrogen

Green Hydrogen

By Method:

Electrolysis

Carbon Capture

By Application:

Industrial,

Transportation

Power

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC
Latin America
Brazil
Mexico
Rest of the World

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