

Global Power to Gas Market Size study, by Technology (Power-to-hydrogen, Power-to-methane), by Capacity (Qualitative Analysis Only) (More than 1000 KW, 100 to 1000 KW, Less than 100 KW), by End-User (Utilities, Industrial, Commercial) and Regional Forecasts 2022-2028

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Abstracts

Global Power to Gas Market is valued at approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Power-to-Gas, also known as PtG or P2G, transforms electrical energy into methane or hydrogen syngas (synthetic gas). The hydrogen produced by the power-to-gas sector is subsequently used as a chemical or fuel in other industries, such as transportation or heating. The power-to-gas systems use the extra energy that is stored from renewable sources like solar and wind energy for a variety of processes. These systems make use of the stored energy for industrial, heating, and transportation uses. The market is driven by the factors such as power to gas is cheaper than the manufacturing of methane and boosting decarbonization to lessen greenhouse gas emissions effect on the climate have led to the adoption of Power to Gas across the forecast period. For Instance: as per Statista in 2022, the global electricity to gas market was estimated to be worth 26.12 million USD in 2019 and is anticipated to grow by around 76 percent by 2026, reaching 45.88 million USD. Also, the expansion of renewable energy is likely to increase the market growth during the forecast period. However, expensive gas production may hamper the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Power to Gas market study include Asia Pacific, North America, Europe, Latin America and Rest of the World. Europe is the

leading as well as the highest growing region across the world in terms of market share owing to Power to Gas being cheaper than the manufacturing of methane and boosting decarbonization to lessen greenhouse gas emissions effect on the climate.

Major market players included in this report are:

Nel ASA
Sempra Energy
GRT Gaz SA
MAN Energy Solutions
Sunfire GmbH
Ineratec GmbH
Electrochaea GmbH
Astrea Power Ltd
Siemens Energy AG
Hitachi Zosen Inova AG

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Technology:

Power-to-hydrogen

Power-to-methane

By Capacity (Qualitative Analysis Only):

More than 1000 KW

100 to 1000 KW

Less than 100 KW

By End-User:

Utilities

Industrial

Commercial

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

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Power to Gas Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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