

Global Syngas Market Size study & Forecast, by Gasifier (Moving Bed Gasifier, Fluidized Bed Gasifier, Entrained Flow Gasifier, Others) by Technology (Steam Reforming, Partial Oxidation, Autothermal Reforming, Combined or Two-step Reforming, Biomass Gasification), by Feedstock (Natural Gas, Coal, Biomass/Waste, Others), by Application (Power Generation, Chemicals, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Syngas Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Syngas, short for synthesis gas, is a mixture of carbon monoxide (CO) and hydrogen (H₂). It is typically produced through various gasification or reforming processes, such as coal gasification, biomass gasification, or steam reforming of natural gas. Syngas is a versatile fuel and chemical feedstock that has several applications. The key factors driving the market growth are rising demand in chemical industry and growing environmental awareness and government regulations on the use of renewable fuel is anticipated to support the market growth. Furthermore, benefits associated with syngas such as lower energy costs, increased stability, and its usage to fuel petrol engines for power generation increase its global demand. Furthermore, the development of the method of underground coal gasification (UCG), which allows the completion of the in-situ gasification process that converts coal into syngas. This, in turn, increases demand since it eliminates the requirement to transport feedstock to gasification units, resulting in significant cost savings.

Moreover, the growing chemical industry plays a significant role in supporting the growth of the Syngas (synthesis gas) market. The syngas is a crucial feedstock for the production of a wide range of chemicals, including methanol, ammonia, and synthetic fuels. These chemicals serve as building blocks for numerous downstream products in the chemical industry. Thus, the growing chemical industry is anticipated to create the lucrative demand for the market. According to Statista, in 2020 the global chemical industry was valued USD 3,817.6 billion and the industry growing significantly and reached USD 4,732.1 billion in 2021. Additionally, growing demand for power generation is anticipated to create the lucrative opportunity for the market during forecast period. However, the high capital investments stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Syngas Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the presence of key market players, growing refinery industry and ammonia production, rising demand from fuel applications, and growing chemical industry in the region. Whereas, the Asia Pacific region is expected to grow at fastest growth rate during the forecast period, owing to factors such as the cohesive government initiatives, growing chemical industry, growing demand for clean fuel, and growing demand in power generation application.

Major market player included in this report are:

Royal Dutch Shell Plc.

The Linde Group

BASF SE

Sasol Limited

SIEMENS AG

Syngas Energy Holdings

John Wood Group

Air Products and Chemicals Inc.

Air Liquide

SynGas Technology LLC

Recent Developments in the Market:

In June 2022, Shell PLC has signed into a decarbonization agreement for natural gas and carbon capture, utilisation, and sequestration (CCUS) projects with Tokyo Gas Co. and Osaka Gas Co. By 2030, these Japanese enterprises may seek to replace 1% of the present gas supply with biomethane-based synthetic gas, or syngas.

Global Syngas Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered – Gasifier, Technology, Feedstock, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

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 Gasifier:

Moving Bed Gasifier

Fluidized Bed Gasifier

Entrained Flow Gasifier

Others

By Technology:

Steam Reforming

Partial Oxidation

Autothermal Reforming

Combined or Two-step Reforming

Biomass Gasification

By Feedstock:

Natural Gas

Coal

Biomass/Waste

Others

By Application:

Power Generation

Chemicals

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

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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