

Global Biogas Plant Market Size study & Forecast, by Feedstock (Bio-Municipal Waste, Agriculture Residue, Energy Crops, Others), by Digester Type (Wet Anaerobic Digestion, Dry Anaerobic Digestion), by Application (Power Generation, Heat Generation, Transportation) and Regional Analysis, 2023-2030

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Abstracts

Global Biogas Plant Market is valued approximately USD 4.05 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9.3% over the forecast period 2023-2030. Biogas plants are facilities that use organic waste, such as agricultural or food waste, to produce biogas through a process called anaerobic digestion. During anaerobic digestion, microorganisms break down the organic waste in the absence of oxygen, producing biogas, which is primarily composed of methane and carbon dioxide. The Biogas Plant market is expanding because of factors such as expanding utilization of organic waste for energy production and increasing adoption of renewables.

According to the IEA, a sizable fraction of the biogas produced globally is used for co-generation and power production. For instance, in 2019, of the entire amount of biogas produced, about 65% was used for power and cogeneration, and the remaining 20% was converted to bio-methane or used for building heating. The market size has been positively impacted by new energy targets that have been introduced by various governments to encourage the tendency towards sustainable electricity. For instance, by the end of 2023, Brazil intends to obtain 42.5% of its main energy from renewable sources. The United Kingdom's government plans to have nearly 50% of its electricity come from renewable sources by 2025, according to a Carbon Brief estimate. Thus, rising demand for renewable energy power generation is driving the market growth. In

addition, rising government support to the industry and increasing share of biogas and biomethane blends is creating lucrative opportunity for market growth. However, high initial investments for Establishing Plants stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Biogas Plant Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe dominated the market in 2022 owing to the dominance of branded products and rising development and new biogas plants projects in the region. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such rising government support to the industry and rising biogas plants investment activities in the region.

Major market player included in this report are:

Future Biogas Limited
PlanET Biogas Global GmbH
WELTEC BIOPOWER GmbH
Scandinavian Biogas Fuels International AB
EnviTec Biogas AG
Quantum Green Private Limited
AB HOLDING SPA
RENERGON International AG
StormFisher
Strabag

Recent Developments in the Market:

In June 2021, EnviTec and Liquind 24/7 have a contract in place for the selling of Bio-LNG. The new liquefaction facility that EnviTec will construct in Pomerania, Germany, will produce this bio-LNG. Liquind oversees managing the distribution and transportation of bio-LNG to heavy-duty customers at its truck fueling stations.

In Aug 2021, Greenlane Renewables Inc. stated that its whollyowned subsidiary, Greenlane Biogas North America Ltd, had secured contracts worth a total of USD 10.2 million for renewable natural gas (RNG) projects in the US.

Global Biogas Plant 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 – Feedstock, Digester Type, 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 offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Feedstock:

Bio-Municipal Waste

Agriculture Residue

Energy Crops

Others

By Digester Type

Wet Anaerobic Digestion

Dry Anaerobic Digestion

By Application:

Power Generation

Heat Generation

Transportation

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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