

Biogas Plant Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global biogas plant market size reached 20.2 GW in 2022. Looking forward, IMARC Group expects the market to reach 26.6 GW by 2028, exhibiting a growth rate (CAGR) of 6.89% during 2023-2028.

A biogas plant is a facility that offers oxygen-free conditions for the anaerobic digestion of municipal and industrial organic waste, agricultural biomass, and sewage sludge. It comprises a reception area, digester or fermentation tank, and gas holder to convert waste into sustainable energy and fertilizers. It relies on an automatic process that replicates the natural process of anaerobic digestion in an artificial environment to make biogas production simple and carbon neutral. It prevents the release of methane (CH₄) into the atmosphere during the production of biogas. In addition, the biogas plant is used to generate heat and electricity in various power plants while providing energy to power grids.

Biogas Plant Market Trends:

The growing awareness among the masses about the harmful impact of air pollution, along with the depleting fossil fuel resources, represents one of the key factors driving the market. Besides this, governments of several countries are undertaking initiatives to increase the production of biogas for reducing the increasing carbon footprints and greenhouse gas emissions, which is contributing to the growth of the market. In addition, technological advancements and innovations in the biogas industry, such as dendro Liquid Energy (DLE), home Biogas, and BioBang, are offering lucrative growth opportunities to industry investors. Moreover, there is a rise in the demand for small-scale digesters due to their lower investment and infrastructure. This, along with the

growing utilization of small-scale digesters in rural areas for cooking and heating purposes, is positively influencing the market. Apart from this, key market players are extensively investing in research and development (R&D) activities to introduce various technologies for converting cellulose-containing industrial waste streams into biogas, which is offering a positive market outlook. Additionally, the rising adoption of renewable energy sources around the world is bolstering the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global biogas plant market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on biogas plant type, feedstock, digester type and application.

Breakup by Biogas Plant Type:

- Small-scale Digesters
- Medium-to-Large-scale Digesters

Breakup by Feedstock:

- Agricultural Waste
- Industrial Waste
- Sewage Sludge
- Others

Breakup by Digester Type:

- Wet Anaerobic Digestion
- Dry Anaerobic Digestion

Breakup by Application:

- Electricity Generation
- Biofuel Generation
- Heat Generation

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AB Holding S.p.a., Agraferm GmbH, Air Liquide S.A., Ameresco Inc., BTS Biogas Srl/GmbH (Bioenergy Devco), Engie SA, EnviTec Biogas AG, Finn Biogas, IES BIOGAS S.r.l. (Snam SPA), NASKEO environnement, PlanET Biogas Group GmbH, Scandinavian Biogas Fuels International AB and W?rtsil? Oyj Abp.

Key Questions Answered in This Report

1. What was the size of the global biogas plant market in 2022?
2. What is the expected growth rate of the global biogas plant market during 2023-2028?
3. What are the key factors driving the global biogas plant market?

4. What has been the impact of COVID-19 on the global biogas plant market?
5. What is the breakup of the global biogas plant market based on the biogas plant type?
6. What is the breakup of the global biogas plant market based on the feedstock?
7. What is the breakup of the global biogas plant market based on digester type?
8. What is the breakup of the global biogas plant market based on the application?
9. What are the key regions in the global biogas plant market?
10. Who are the key players/companies in the global biogas plant market?

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