

Biogas Upgrading Technology Market By Technology (Absorption, Vacuum Pressure Swing Adsorption (VPSA), Membrane Separation, Others), By End-Use (Thermal Application, Power Generation, Biomethane Bottling): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-09-01 | 340 pages | Allied Market Research

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Report description:

The global biogas upgrading technology market was valued at \$1.4 billion in 2022, and is projected to reach \$5.4 billion by 2032, growing at a CAGR of 14.4% from 2023 to 2032.

Biogas upgrading technology is a process that purifies and improves the quality of biogas generated from organic waste materials such as agricultural residues, sewage sludge, and household waste. The primary goal is to remove impurities such as carbon dioxide and hydrogen sulfide to increase methane content and make the biogas suitable for various applications. The growing demand for alternative and greener fuels across the globe has a significant positive impact on the market.

Stringent regulations on fossil fuels and volatile petroleum product pricing are driving interest in biogas upgrading technology as a sustainable alternative. Environmental awareness has led major manufacturers to invest in alternative energy sources, resulting in surge in demand for biogas upgrading technology industry.

The growing concern over global warming has intensified the global shift towards renewable resources, boosting the biogas upgrading technology market size. Biogas energy is gaining popularity for its capacity to generate electricity, mitigating nitrogen pollution, and methane emissions. The Asia-Pacific region is a key driver for the biogas upgrading technology market growth due to limited availability of petroleum resources.

The biogas upgrading technology market scope is segmented on the basis of technology, end-use, and region. By technology, the market is segregated into absorption, vacuum pressure swing adsorption, membrane separation, and others. On the basis of end-use, it is segregated into thermal application, power generation, and biomethane bottling. Region-wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Based on region, Europe held the highest market share in terms of revenue in 2022, accounting for more than two-fifths of the

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global biogas upgrading technology market revenue, and is likely to dominate the market during the forecast period. Furthermore, the Asia-Pacific region is expected to witness the fastest CAGR from 2023 to 2032. The Asia-Pacific region presents significant growth potential in the biogas upgrading technology industry. Emerging markets, such as India, China, and Southeast Asian countries, have witnessed rapid industrial growth which will lead to increased demand for energy resources which have a significant impact on the biogas upgrading technology market. The increase in investment toward renewable energy resources, especially in the biogas sector, is anticipated to offer new growth opportunities for biogas upgrading technology market in Asia-Pacific during the forecast period.

Major biogas upgrading technology market players, such as Atmos Power Pvt. Ltd., Bright Renewables B.V., Air Liquide, Dmt environmental technology, Evonik Industries AG, Pentair Plc, Malmberg Bioerdgastech GmbH, Metener Oy, Greenlane Renewables Inc., Wartsila Oyj abp, Prodeval Corp., Aemetis Inc., Clarke Energy, Acrona Projects Sarl, Clean Energy Fuels Corp., AB Holding Spa, Spectrum Renewable Energy Limited, B-Sustain Energy Projects Private Limited, Xebec Adsorption Inc., and Verbio Vereinigte Bioenergie AG are focusing their investment on technologically advanced, cost-effective, and more secure products and solutions for various applications related to purification of biogas.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the biogas upgrading technology market analysis from 2022 to 2032 to identify the prevailing biogas upgrading technology market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the biogas upgrading technology market forecast, segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global biogas upgrading technology market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

- Quarterly Update and* (only available with a corporate license, on listed price)
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- Investment Opportunities
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- Technology Trend Analysis
- Regulatory Guidelines
- Strategic Recommendations

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- Additional company profiles with specific to client's interest
 - Additional country or region analysis- market size and forecast
 - Expanded list for Company Profiles
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 - Saudi Arabia
 - UAE
 - Argentina
 - Rest of LAMEA

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- Key Market Players
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- Xebec Adsorption Inc
- Acrona Projects SARL
- B-Sustain Energy Projects Private Ltd.
- Prodeval Corp.
- Aemetis, Inc.
- Greenlane Renewables Inc.
- VERBIO Vereinigte BioEnergie AG
- Malmberg Bioerdgastech GmbH
- Metener Oy
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