

Biomethane Market Set to Soar: Key Innovations & Demand Fuel Global Growth 2032

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WILMINGTON, DE, UNITED STATES, July 22, 2025 /EINPresswire.com/ -- The global [biomethane market](#) is witnessing substantial growth, driven by a combination of supportive financial incentives, policy frameworks, extensive R&D, and its multifaceted environmental and energy security benefits. As countries pivot toward sustainability, biomethane is emerging as a vital renewable energy solution with broad applications across sectors.



Biomethane Market, by Feedstock

According to a recent report published by Allied Market Research, titled “Biomethane Market by Feedstock, Production Method, and Application: Global Opportunity Analysis and Industry Forecast, 2023–2032,” the market was valued at \$3.1 billion in 2022 and is projected to reach \$5.5 billion by 2032, growing at a CAGR of 5.7% from 2023 to 2032.

For more information, contact Allied Market Research at:

<https://www.alliedmarketresearch.com/request-sample/A11950>

What is Biomethane?

Biomethane, often referred to as renewable natural gas (RNG), is produced primarily via anaerobic digestion or gasification of organic matter, followed by purification to remove CO₂ and impurities. It is widely used for power generation, as a transport fuel, and for residential and industrial heating, making it a versatile contributor to the energy transition.

Key Market Drivers:

- Environmental sustainability & carbon reduction
- Enhanced energy security through reduced fossil fuel dependence
- Successful waste-to-energy integration
- Supportive government policies and financial incentives
- Technological advancements and R&D efforts

However, the market also faces challenges such as high production costs, feedstock limitations, and complex technological requirements. Despite these hurdles, the trend toward circular economies and decentralized energy is expected to drive adoption.

Segment Insights:-

By Feedstock: Energy Crops Lead the Way

- The energy crop segment accounted for over one-third of the global market in 2022.
- Expected to grow at a CAGR of 6.0% through 2032.
- Driven by high starch and cellulose content in crops like maize and sorghum, which promote efficient microbial digestion during anaerobic processing.

By Production Method: Anaerobic Digestion Dominates

- Anaerobic digestion generated over 60% of market revenue in 2022.
- Forecasted to grow at a CAGR of 5.8%, owing to its proven efficiency and regulatory support.
- Continual innovations are refining the process, enhancing yield, and improving cost-efficiency.

By Application: Automotive Sector Takes the Lead

- The automotive segment held nearly two-thirds of the total market share in 2022.
- Expected to expand at a CAGR of 5.9% by 2032.
- Biomethane offers a cleaner alternative to conventional fuels, reducing emissions of NOx, SOx, and particulate matter, contributing significantly to air quality and carbon neutrality goals.

Regional Outlook: Asia-Pacific at the Forefront

- The Asia-Pacific (APAC) region accounted for nearly 40% of market revenue in 2022.
- Expected to register the highest CAGR of 6.0% during the forecast period.
- China and India are investing heavily in biomethane infrastructure as part of national strategies to expand renewable energy portfolios and manage organic waste sustainably.

Leading Market Players:-

Prominent companies shaping the biomethane landscape include:

- AB HOLDING SpA
- ETW Energietechnik GmbH
- CNG Services Ltd.
- PlanET Biogas Global GmbH
- Orbital Gas Systems
- Gazasia Ltd.
- Future Biogas Ltd.
- Ecofinity
- VERBIO Vereinigte BioEnergie AG
- EnviTec Biogas AG

These players are focusing on strategic collaborations, technological upgrades, and regional expansions to strengthen their market position and foster innovation.

For more information, visit <https://www.alliedmarketresearch.com/biomethane-market/purchase-options>:

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David Correa

Allied Market Research

+ 1 800-792-5285

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