

Bio-CNG Market is expected to grow by \$ 38,479.45 Mn during 2023-2030, accelerating at a CAGR of 5.24%

The growth of the Bio-CNG Market is projected to witness a substantial increase, escalating from \$ 25,573.03 mn in 2022 to an estimated \$ 38,479.45 mn by 2030.

POTLAND, OR, UNITED STATES,
February 5, 2024 /EINPresswire.com/ --
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The anticipated growth of the Bio-CNG Market is projected to witness a substantial increase, escalating from USD 25,573.03 million in 2022 to an estimated USD 38,479.45 million by 2030. This growth is forecasted to occur at a remarkable Compound Annual Growth Rate (CAGR) of 5.24% throughout the forecast period spanning from 2023 to 2030.



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BIO-CNG MARKET

Opportunities and Forecast

Global Bio-CNG Market Size Was Valued at USD 25,573.03 Million in 2022 and is Projected to Reach USD 38,479.45 Million by 2030, Growing at a CAGR of 5.24% From 2023-2030.

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The Rise in Demand From Natural Energy Resources industries Technology & Application are the Key Factors Boosting the Bio-CNG Market Analysis Growth.”

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[Bio-CNG Share](#), or Bio-Compressed Natural Gas, is a renewable and sustainable alternative fuel derived from organic materials through anaerobic digestion. Microorganisms break down organic matter, such as agricultural residues and food waste, to produce biogas rich in methane. This biogas is purified and compressed to create Bio-CNG, a clean and eco-friendly fuel suitable for various applications. Bio-CNG is primarily used in the transportation sector as a green fuel for vehicles, such as buses, trucks, and cars, and in the industrial sector for heating and power generation.

Key players in the Bio-CNG market include:

- RNG Fuels
- Adani Total Gas Ltd
- RNG Coalition
- Shell
- Indian Oil Corporation Limited (IOCL)
- NaturEnergie AG
- Energies Nouvelles
- Biokraft International AB
- Green Gas Alliance
- China National Petroleum Corporation, and Other major players.

Bio-CNG market show a growing emphasis on waste-to-energy solutions, with increased investments in anaerobic digestion technology. Governments and industries worldwide are recognizing the importance of transitioning to cleaner energy sources, driving the adoption of Bio-CNG. Advancements in production technologies and high-performance [Bio-CNG Analysis](#) engines contribute to its increasing popularity.

Key drivers of the Bio-CNG market include:

1. **Municipal Solid Waste (MSW) Management:** The growth of the Bio-CNG market will be driven by the Municipal Solid Waste segment, due to its focus on waste management and sustainability, encouraging the use of organic waste like food scraps and agricultural residues as feedstock, and its consistent availability of feedstock.

2. **Anaerobic Digestion (AD) Technology:** The Anaerobic Digestion segment is expected to be the key driver of growth in the Bio-CNG market. due to its efficient and versatile method of breaking down organic materials into methane-rich biogas. It is widely adopted due to its compatibility with various organic waste sources and environmental sustainability.

3. **Government Support and Policy:** The Asia Pacific region is anticipated to have the highest share of the Bio-CNG market over the forecasted period due to its growing population, urbanization, and waste generation. Governments are investing in cleaner energy alternatives, driven by supportive policies like those implemented by India and China, promoting sustainable biofuel production.

For more information, visit:

<https://introspectivemarketresearch.com/custom-research/16735>

Key players in the Bio-CNG market include:

The Bio-CNG market is gaining momentum due to the growing global focus on environmental sustainability and carbon emissions reduction. Anaerobic digestion of organic waste produces Bio-CNG, a cleaner and renewable alternative to traditional fossil fuels, thereby aligning with the

environmental goals. Government support and favorable policies are driving the Bio-CNG market, with incentives, subsidies, and regulatory frameworks implemented worldwide to encourage renewable energy adoption, creating a favorable environment for investments in Bio-CNG production and infrastructure.

The Bio-CNG market presents opportunities for global expansion, as regions integrate it into their energy mix, and technological advancements in production and purification processes offer improved efficiency and cost-effectiveness. The integration of Bio-CNG into transportation, particularly fleet conversion, presents a significant opportunity for collaborations across sectors like waste management and energy, ensuring sustainable feedstock supply and comprehensive value chains.

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- 1) Livestock Manure
- 2) Sewage Sludge
- 3) Crop Residues
- 4) Energy Crops
- 5) Municipal Solid Waste

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- 1) Anaerobic Digestion
- 2) Gasification
- 3) Pyrolysis

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- 1) Transportation
- 2) Power Generation
- 3) Commercial
- 4) Industrial

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- North America (U.S., Canada, Mexico)
- Eastern Europe (Bulgaria, The Czech Republic, Hungary, Poland, Romania, Rest of Eastern Europe)
- Western Europe (Germany, U.K., France, Netherlands, Italy, Russia, Spain, Rest of Western Europe)
- Asia-Pacific (China, India, Japan, South Korea, Malaysia, Thailand, Vietnam, The Philippines, Australia, New Zealand, Rest of APAC)

- Middle East & Africa (Turkey, Saudi Arabia, Bahrain, Kuwait, Qatar, UAE, Israel, South Africa)
- South America (Brazil, Argentina, Rest of SA)

Mercuria Acquires Roadgas

In April 2023, Mercuria acquired UK-based Roadgas. Mercuria Clean Energy Investments B.V. ("MCEI") and Pretoria Energy Group ("Pretoria") announce the acquisition of the entire share capital of Nottingham-based Roadgas Limited ("Roadgas"). Roadgas owns and operates several bio-LNG and [Bio-CNG stations](#) in the United Kingdom, and the acquisition will provide a new gas-fueling partner for fleet managers looking to decarbonize their operations.

Market Research Methodology

- 1) Market Scope: The report analyzes the aerospace adhesives market across 16 countries, providing a segment-wise valuation (\$ million) for the 2023-2030 forecast period.
- 2) Robust Methodology: Our research integrates high-quality data, professional insights, and independent opinions, aiming to offer a comprehensive perspective on the global market. This methodology assists stakeholders in making well-informed decisions to achieve ambitious growth targets.
- 3) Thorough Analysis: Over 4100 materials, including product literature, annual reports, and industry statements, were meticulously reviewed by major industry players. This exhaustive process enhances our understanding of market dynamics.

Quantitative Analysis of Market Segments

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the market analysis from 2023 to 2030 to identify the prevailing market opportunity.

- 1) The market research is offered along with information related to key drivers, restraints, and opportunities.
- 2) Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders to make profit-oriented business decisions and strengthen their supplier-buyer network.
- 3) In-depth analysis of the market segmentation assists in determining the prevailing market opportunities.
- 4) Major countries in each region are mapped according to their revenue contribution to the global market.

Market Research Report

<https://introspectivemarketresearch.com/checkout/?user=1&sid=16735>

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Akshay Patil

Introspective Market Research

+91 81800 96367

sales@introspectivemarketresearch.com

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