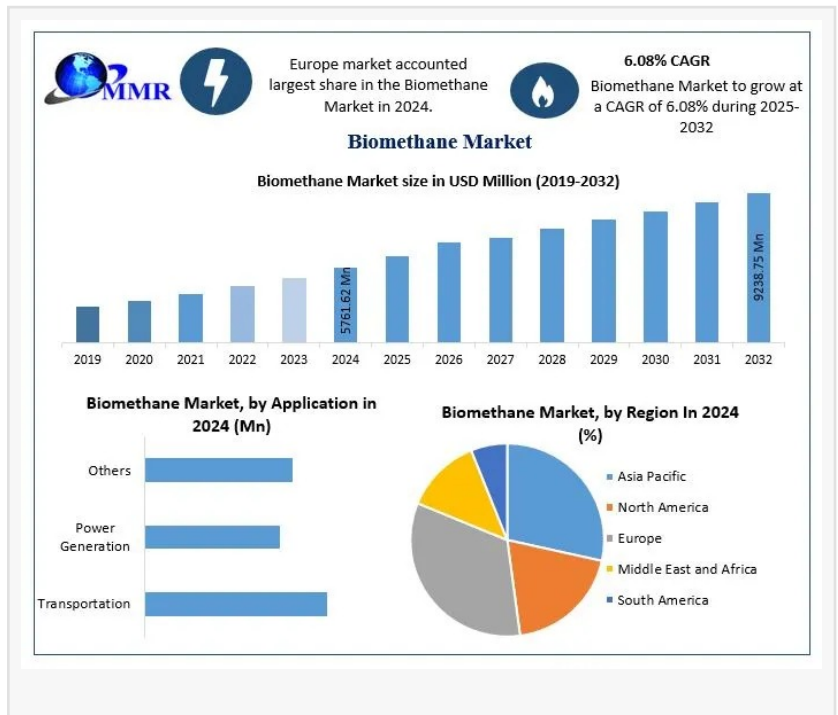


# Biomethane Market Growing at 6.08% CAGR to Reach USD 9.23 Billion by 2032 Maximize Market Research

*The German biomethane market has emerged as a highly attractive sector due to its dynamic regulatory framework and evolving market conditions.*

WILMINGTON, DE, UNITED STATES,  
September 11, 2025 /  
EINPresswire.com/ -- Biomethane  
Industry Overview

The [Biomethane Market](#) size was valued at USD 5761.62 million in 2024, and the Biomethane Market revenue is expected to grow at 6.08% through 2025 to 2032, reaching nearly USD 9238.75 million.



The global biomethane market is growing rapidly, driven by demand for renewable energy and supportive policies. Europe leads, accounting for about 45% of production, with countries like Germany and France focusing on transportation and heating uses. Anaerobic digestion is the

dominant production method, especially in Europe. The transportation sector is the largest consumer, using bio-CNG and bio-LNG under strict emissions regulations. Significant investments, such as Romania’s 15 MW biomethane plant by Black Sea Oil & Gas and DN Agrar, highlight the market’s expansion.

The comprehensive study provides an in-depth analysis of the Biomethane Market, offering crucial insights into its current landscape and future trajectory.

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Aerospace composites are revolutionizing aviation, enabling lighter, stronger aircraft that boost performance, fuel efficiency, and sustainability in a rapidly evolving aerospace industry.”

*Dharti Raut*

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Key Insights & Recent Developments

The Biomethane Market is growing rapidly as biomethane emerges as a clean alternative to natural gas, supporting global decarbonization efforts. Advances in anaerobic digestion and biogas upgrading technologies have improved production efficiency and gas purity, enabling biomethane’s injection into natural gas grids and its use as renewable transportation fuel.

Global Biomethane Market Segments Covered	
By Feedstock	Energy Crops Animal Manure Municipal Waste Waste Water Sludge Others
By Production Method	Anaerobic Digestion Gasification Others
By Application	Transportation Power Generation Others
By Region	<b>North America</b> (United States, Canada and Mexico) <b>Europe</b> (UK, France, Germany, Italy, Spain, Sweden, Austria, Turkey, Russia and Rest of Europe) <b>Asia Pacific</b> (China, India, Japan, South Korea, Australia, ASEAN (Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam etc.) and Rest APAC) <b>Middle East and Africa</b> (South Africa, GCC, Egypt, Nigeria and Rest of ME&A) <b>South America</b> (Brazil, Argentina, Colombia and Rest of South America)

Governments worldwide are increasingly promoting biomethane through renewable energy mandates and policies, encouraging integration into energy systems. This regulatory backing accelerates investments and adoption across various regions, strengthening the Biomethane Market’s expansion.

Key industry players are actively expanding their biomethane portfolios. For example, Engie acquired biomethane sites in the Netherlands, Cepsa partnered with PreZero Spain to develop biomethane plants, and Air Liquide is building new U.S. production units processing dairy farm waste, reflecting the Biomethane Market’s robust growth and diversification globally.

Biomethane Market Dynamics

The Biomethane Market is primarily driven by increasing environmental concerns and stringent government regulations targeting greenhouse gas reductions. Biomethane, as a renewable energy source, offers a cleaner alternative to fossil fuels, fueling demand in power generation, transportation, and industrial sectors. Rising investments in waste-to-energy technologies and growing awareness about sustainable fuels further propel market growth. Biomethane Market faces challenges such as high initial capital expenditure for production facilities, complex feedstock collection logistics, and limited infrastructure for distribution. Additionally, raw material availability can be inconsistent, and biomethane competes with other renewable energy sources, impacting market expansion. Opportunities abound as technological advancements in biogas upgrading improve efficiency and reduce costs. Supportive government policies worldwide promote biomethane integration into existing natural gas grids and increased use in heavy-duty transportation and industrial applications, positioning the Biomethane Market for significant growth in the coming years.

## Biomethane Market Regional Analysis

The report provides a detailed breakdown of the market across major regions:

Maximize Market Research has reported that Europe leads the Biomethane Market due to strong policies, established gas infrastructure, and high renewable energy investments. In 2024, Engie acquired biogas sites in the Netherlands to boost production, while Cepsa partnered with PreZero in Spain to build biomethane plants from organic waste, advancing low-carbon energy goals. And Asia-Pacific is emerging in the Biomethane Market due to abundant organic waste, supportive policies, and rising energy demand. In India, Sojitz and GPS Renewables launched a \$400M platform to build 30 biomethane plants, while Verbio opened a major bio-CNG plant in Punjab under the SATAT program, boosting regional production.

## Biomethane Market Segments Covered

The study segments the market based on Feedstock, Production Method, and Application

By Feedstock, Municipal Solid Waste (MSW) dominates the feedstock segment in Europe due to high urbanization, strict landfill diversion laws, and supportive waste management policies. Efficient waste segregation and advanced recycling systems across countries like Germany and the Netherlands make MSW a primary source for biomethane production in the region.

By Production Method, Anaerobic digestion dominates in Europe due to its maturity, cost-effectiveness, and ability to process diverse feedstocks. The region hosts numerous established AD plants, backed by strong government incentives, clear regulatory frameworks, and advanced infrastructure for injecting upgraded biomethane into national gas grids, supporting large-scale renewable energy integration.

By Application, Transportation is the leading application for biomethane in Europe, driven by strong regulations to cut emissions and supportive incentives. The region has rapidly expanded infrastructure for bio-CNG and bio-LNG fuels, making transport the largest end-use segment. North America and Asia-Pacific are emerging competitors in this market.

## Biomethane Market Trends

The Biomethane Market is dominated by Europe, driven by strong policies, advanced municipal solid waste management, and widespread anaerobic digestion (AD) technology. Transportation fuels like bio-CNG and bio-LNG lead applications, supported by expanding fueling infrastructure. Recent developments include Engie's acquisition of Dutch biogas sites aiming for 30 TWh biomethane sales by 2030, and Cepsa's €8 billion investment in Spanish biomethane plants. The market is growing globally, with Asia-Pacific emerging rapidly due to increasing renewable energy demand and supportive policies, promising strong future growth alongside Europe.

## Competitive Landscape

Key players in the Biomethane Market are actively expanding and innovating. In 2024, Air Liquide built two U.S. biomethane plants and adopted a sustainability charter with WWF France. ENGIE acquired biomethane units in the Netherlands and Belgium, boosting capacity to 1.1 TWh, and signed a supply deal with Arkema. Denmark's Nature Energy Biogas plans new plants and advanced digestion technologies. Terega Solutions focuses on infrastructure for grid injection and partnerships in France. In June 2025, EQT acquired a majority stake in Waga Energy, aiming to expand into the U.S. market, highlighting strong industry growth and sustainability efforts.

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The report profiles key players in the market, including

The Maximize Market Research report profiles key players in the Biomethane Market

Air Liquide (France)  
Engie (France)  
Nature Energy Biogass A/S (Denmark)  
Terega Solutions (France)  
Waga Energy (France)  
Total Energy (France)  
Archea Energy (Texas)  
Envitec Biogas AG (Germany)  
Future Biogas Ltd. (US)  
Gaz Métro (Énergir) - Montreal, Canada  
Greenlane Renewables - Burnaby, Canada  
VERBIO - Leipzig, Germany  
Landwärme GmbH - Munich, Germany  
Future Biogas - Cambridge, UK  
PlanET Biogas - Vreden, Germany  
EnviTec Biogas AG - Lohne, Germany  
Schmack Biogas - Schwandorf, Germany  
BioConstruct GmbH - Melle, Germany  
Scandinavian Biogas - Stockholm, Sweden  
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