

# **Global Waste-Derived Biogas Market Size study, by Type (Live Stock Manure, Sewage, Food Waste, Crop Residue), by Application (Residential, Commercial, Industrial), and Regional Forecasts 2023-2032**

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## **Abstracts**

Global Waste-Derived Biogas Market is valued approximately at USD 67.57 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.5% over the forecast period 2021-2030. Biogas, a renewable and environmentally friendly fuel, is produced by converting various forms of organic waste into gas. Its primary applications include road vehicle fuel and industrial uses such as municipal and on-site electricity production. The production process also contributes organic nutrients to the circular economy.

The market's growth is propelled by rising environmental awareness and concerns over fossil fuel supplies. Rapid infrastructure development and increased energy demand from commercial and industrial sectors further drive the market. Stringent pollution regulations, heightened understanding of environmental conservation, and corporate social responsibility (CSR) initiatives significantly contribute to the market's expansion. However, the high initial costs of manufacturing setups pose a challenge to market growth. Conversely, the increasing demand for renewable energy resources and the global population surge present lucrative opportunities for market development during the forecast period.

Key regions considered for the Global Waste-Derived Biogas Market study include North America, Europe, Asia Pacific, Latin America, and Middle East and Africa. In year 2023, Europe is the leading region in the global waste-derived biogas market, primarily due to its strong regulatory framework and proactive policies aimed at reducing greenhouse gas emissions and promoting renewable energy. The European Union's

Renewable Energy Directive and various national policies provide significant incentives for the production and use of biogas, making it a lucrative market for biogas projects. Additionally, Europe has a well-established infrastructure for waste management and biogas production, supported by advanced technologies and extensive research and development initiatives. Moreover, Asia Pacific is projected to registered fastest growth during the projected period 2023-2032.

Major market players included in this report are:

BEKON GmbH

Evoqua Water Technologies LLC

Cargill, Inc.

AAT Abwasser - und Abfalltechnik GmbH

Biogen Greenfinch

N-bio GmbH

Siemens AG

Zorg Biogas

WELTEC BIOPOWER GMBH

Environmental Products & Technology Corp.

Biofrigas Sweden AB

Energías Renovables de la Región de Murcia S.A. (Enerbiom)

AAT Abwasser- und Abfalltechnik GmbH

PlanET Biogastechnik GmbH

SP Renewable Energy Sources Pvt. Ltd. (SPRE)

The detailed segments and sub-segment of the market are explained below:

By Type

Live Stock Manure

Sewage

Food Waste

Crop Residue

By Application

Residential

Commercial

Industrial

By Region:

North America

U.S.

Canada

Europe

France

Germany

UK

Spain

Italy

Rest of Europe

Asia Pacific

India

China

Japan

South Korea

Australia

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East

Saudi Arabia

South Africa

Rest of Middle East and Africa

Years considered for the study are as follows:

Historical year – 2021

Base year – 2022

Forecast period – 2022 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL WASTE-DERIVED BIOGAS MARKET EXECUTIVE SUMMARY**

- 1.1. Global Waste-Derived Biogas Market Size & Forecast (2020-2030)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Type
  - 1.3.2. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL WASTE-DERIVED BIOGAS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL WASTE-DERIVED BIOGAS MARKET DYNAMICS**

### 3.1. Market Drivers

- 3.1.1. Increasing Environmental Awareness
- 3.1.2. Rising Energy Demand
- 3.1.3. Corporate Social Responsibility (CSR) Initiatives

### 3.2. Market Challenges

- 3.2.1. High Initial Setup Costs
- 3.2.2. Supply Chain Disruptions

### 3.3. Market Opportunities

- 3.3.1. Demand for Renewable Energy
- 3.3.2. Technological Advancements
- 3.3.3. Government Incentives

## **CHAPTER 4. GLOBAL WASTE-DERIVED BIOGAS MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top investment opportunity

### 4.4. Top winning strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL WASTE-DERIVED BIOGAS MARKET SIZE & FORECASTS BY TYPE 2020-2030**

### 5.1. Segment Dashboard

*Global Waste-Derived Biogas Market Size study, by Type (Live Stock Manure, Sewage, Food Waste, Crop Residue),...*

## 5.2. Global Waste-Derived Biogas Market: Type Revenue Trend Analysis, 2020 & 2030 (USD Billion)

- 5.2.1. Live Stock Manure
- 5.2.2. Sewage
- 5.2.3. Food Waste
- 5.2.4. Crop Residue

## **CHAPTER 6. GLOBAL WASTE-DERIVED BIOGAS MARKET SIZE & FORECASTS BY APPLICATION 2020-2030**

### 6.1. Segment Dashboard

## 6.2. Global Waste-Derived Biogas Market: Application Revenue Trend Analysis, 2020 & 2030 (USD Billion)

- 6.2.1. Residential
- 6.2.2. Commercial
- 6.2.3. Industrial

## **CHAPTER 7. GLOBAL WASTE-DERIVED BIOGAS MARKET SIZE & FORECASTS BY REGION 2020-2030**

### 7.1. North America Waste-Derived Biogas Market

- 7.1.1. U.S. Waste-Derived Biogas Market
  - 7.1.1.1. Type breakdown size & forecasts, 2020-2030
  - 7.1.1.2. Application breakdown size & forecasts, 2020-2030
- 7.1.2. Canada Waste-Derived Biogas Market
- 7.1.3. Mexico Waste-Derived Biogas Market

### 7.2. Europe Waste-Derived Biogas Market

- 7.2.1. France Waste-Derived Biogas Market
- 7.2.2. Germany Waste-Derived Biogas Market
- 7.2.3. UK Waste-Derived Biogas Market
- 7.2.4. Spain Waste-Derived Biogas Market
- 7.2.5. Italy Waste-Derived Biogas Market
- 7.2.6. Rest of Europe Waste-Derived Biogas Market

### 7.3. Asia-Pacific Waste-Derived Biogas Market

- 7.3.1. India Waste-Derived Biogas Market
- 7.3.2. China Waste-Derived Biogas Market
- 7.3.3. Japan Waste-Derived Biogas Market
- 7.3.4. South Korea Waste-Derived Biogas Market
- 7.3.5. Australia Waste-Derived Biogas Market



- 7.3.6. Rest of Asia Pacific Waste-Derived Biogas Market
- 7.4. LAMEA Waste-Derived Biogas Market
  - 7.4.1. Brazil Waste-Derived Biogas Market
  - 7.4.2. Middle East Waste-Derived Biogas Market
  - 7.4.3. Africa Waste-Derived Biogas Market
  - 7.4.4. Rest of LAMEA Waste-Derived Biogas Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. BEKON GmbH
  - 8.3.2. Evoqua Water Technologies LLC
  - 8.3.3. Cargill, Inc.
  - 8.3.4. AAT Abwasser - und Abfalltechnik GmbH
  - 8.3.5. Biogen Greenfinch
  - 8.3.6. N-bio GmbH
  - 8.3.7. Siemens AG
  - 8.3.8. Zorg Biogas
  - 8.3.9. WELTEC BIOPOWER GMBH
  - 8.3.10. Environmental Products & Technology Corp.
  - 8.3.11. Biofrigas Sweden AB
  - 8.3.12. Energías Renovables de la Región de Murcia S.A. (Enerbiom)
  - 8.3.13. AAT Abwasser- und Abfalltechnik GmbH
  - 8.3.14. PlanET Biogastechnik GmbH
  - 8.3.15. SP Renewable Energy Sources Pvt. Ltd. (SPRE)

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing

## 9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Waste-Derived Biogas market, report scope

TABLE 2. Global Waste-Derived Biogas market estimates & forecasts by Region  
2020-2030 (USD Billion)

TABLE 3. Global Waste-Derived Biogas market estimates & forecasts by Type  
2020-2030 (USD Billion)

TABLE 4. Global Waste-Derived Biogas market estimates & forecasts by Application  
2020-2030 (USD Billion)

TABLE 5. Global Waste-Derived Biogas market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 6. Global Waste-Derived Biogas market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 7. Global Waste-Derived Biogas market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 8. Global Waste-Derived Biogas market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 9. Global Waste-Derived Biogas market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 10. Global Waste-Derived Biogas market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 11. Global Waste-Derived Biogas market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 12. Global Waste-Derived Biogas market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 13. Global Waste-Derived Biogas market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 14. Global Waste-Derived Biogas market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 15. U.S. Waste-Derived Biogas market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 16. U.S. Waste-Derived Biogas market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 17. U.S. Waste-Derived Biogas market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 18. Canada Waste-Derived Biogas market estimates & forecasts, 2020-2030  
(USD Billion)

TABLE 19. Canada Waste-Derived Biogas market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 20. Canada Waste-Derived Biogas market estimates & forecasts by segment  
2020-2030 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Waste-Derived Biogas market, research methodology
- FIG 2. Global Waste-Derived Biogas market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Waste-Derived Biogas market, key trends 2020
- FIG 5. Global Waste-Derived Biogas market, growth prospects 2020-2030
- FIG 6. Global Waste-Derived Biogas market, porters 5 force model
- FIG 7. Global Waste-Derived Biogas market, PESTEL analysis
- FIG 8. Global Waste-Derived Biogas market, value chain analysis
- FIG 9. Global Waste-Derived Biogas market by segment, 2020 & 2030 (USD Billion)
- FIG 10. Global Waste-Derived Biogas market by segment, 2020 & 2030 (USD Billion)
- FIG 11. Global Waste-Derived Biogas market by segment, 2020 & 2030 (USD Billion)
- FIG 12. Global Waste-Derived Biogas market by segment, 2020 & 2030 (USD Billion)
- FIG 13. Global Waste-Derived Biogas market by segment, 2020 & 2030 (USD Billion)
- FIG 14. Global Waste-Derived Biogas market, regional snapshot 2020 & 2030
- FIG 15. North America Waste-Derived Biogas market 2020 & 2030 (USD Billion)
- FIG 16. Europe Waste-Derived Biogas market 2020 & 2030 (USD Billion)
- FIG 17. Asia Pacific Waste-Derived Biogas market 2020 & 2030 (USD Billion)
- FIG 18. Latin America Waste-Derived Biogas market 2020 & 2030 (USD Billion)
- FIG 19. Middle East & Africa Waste-Derived Biogas market 2020 & 2030 (USD Billion)
- FIG 20. Global Waste-Derived Biogas market, company market share analysis (2020)

.....

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