

**Global Waste Derived Biogas Market By Substrate (Sewage Sludge, Organic Waste, Energy Crops and Others); By Size (Less than 500 kW, 500kW-3MW, Greater than 3MW); By Technology (With Pre-Hydrolysis, Without Pre-Hydrolysis); By Process (Sewage, Anaerobic Digestion, Pyrolysis & Gasification and Landfill gas); By Application (Residential, Commercial, Industrial and others); By Region (North America, Asia-pacific, Europe, Latin America and Middle-East and Africa)- Analysis of market share, size & trends for 2016-19 and forecasts to 2030**

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## **Abstracts**

### **Market Overview**

Biogas is the fusion of gases produced by the process of decomposition, which consist mainly of methane and carbon dioxide, and is mostly used as fuel. Biogas may come from crop waste, human waste, industrial waste, plant materials, dung, household waste, or food waste. Biogas is a renewable energy source, and is a major substitute for conventional fuels.

### **Market Highlights**

Global Biogas Market is anticipated to exceed USD XXXX billion by 2030 from USD XXXX billion in 2019 at a CAGR of XX % throughout the forecast period, i.e., 2020-30. The global biogas market is estimated to grow on the back of following reasons.

Awareness mounting among peasants, municipalities and industrial workspaces about waste management methods is a key driver of growth on the global biogas market. Another factor expected to support the growth of the global biogas market is the shift from conventional and non-renewable sources to biogas which is a renewable source of energy, in various developed and developing economies. Increasing awareness about judicious use of exhaustible source of energy such as fossil fuels, reduction in carbon emissions and to ensure a sheltered and sustainable energy supply are anticipated to propel the growth of biogas market. It is also predicted that a decline in crude oil reserves coupled with disruptions caused by crude oil prices would boost demand.

## Global Biogas Market Opportunity Analysis

Source: Fatpos Global

### Recent Highlights

In February 2019, WELTEC BIOPOWER built a biomethane plant in West Yorkshire in the U.K. This plant aims to supply sustainable energy to around 9600 households.

EnviTec Biogas AG commenced operations in its Biogas project in China. The plant is designed for feedstocks including turkey litter, dairy cattle manure, and others.

### Global Waste Derived Biogas Market: Segments

Energy Crops segment to grow at a CAGR of XX% during the forecast period

On the basis of substrate, the global biogas market is segmented into Sewage Sludge, Organic Waste, Energy Crops and Others. The Energy Crops segment is forecasted to boost the substrate segment as it is a cheap crop and does not require much maintenance, while being energy-efficient.

Source: Fatpos Global

### Less than 500 kW plants to drive the market

Based on the size of plant, the market is segmented into Less than 500 kW, 500kW-3MW, Greater than 3MW. The “Less than 500kW” segment to boost the overall market growth due to increase in the development of more uptown and commercial plants. Additionally, a shift from polluting to more environment-friendly power generation is likely to propel the overall market growth.

### Pre-Hydrolysis technology to boost the overall market growth

Global Biogas Market is categorized into with Pre-hydrolysis and without pre-hydrolysis,

by technology. The With Pre-hydrolysis segment held a market share of USD XXXX billion in 2019 and is forecasted to grow at a CAGR of XX%. Minimal cost, waste recycling and minimal waste production are some factors that favor the adoption of pre-hydrolysis technology across biogas plants.

Source: Fatpos Global

## Global Biogas Market: Drivers and Restraints

### Drivers

#### Cheaper Substitute to Conventional Sources

Increasing awareness of the tenuous effect of greenhouse gas (GHG) emissions into the environment should help in the growing installation of plants producing biomass worldwide. Production of fuel from biogas assists in removing the issue of dumpsites and landfills that are anticipated to have a positive impact on the market for biogas. Sector incorporates significant opportunities for future growth as the market is expected to transpire as a replacement for traditional fuels, including diesel and petrol. In addition to a renewable energy source, the amount of carbon in the biofuel is less. It emits fewer greenhouse gases which are expected to boost demand for biogas as a replacement for fossil fuels.

### Restraints

#### Huge Installation Costs

Huge installation cost and large gestation period, i.e., gap between installation and commencement of the plant is seen as one of the factors hindering the growth of the biogas market.

### Key Players

ENGIE

### Company overview

#### Business Strategy

#### Key Product Offerings

#### Financial Performance

#### Key Performance Indicators

#### Risk Analysis

#### Recent Development

#### Regional Presence

#### SWOT Analysis

Ebara Corp.

WELTEC Biopower

ADI Systems

Kruger USA

Republic Services

CH4 Biogas LLC

Scandinavian Biogas Fuels International AB

Pressure Technologies Plc

Cryostar SAS

Global Biogas Market: Region

Global biogas market is segmented on the basis of regional analysis into five major regions. These include North America, Latin America, Europe, Asia-Pacific and rest of the world is classified as Middle-East and Africa. At present, Asia-Pacific is a major stakeholder in the global market as the region experiences the highest biogas production. Europe is the second-most market-leading region after Asia Pacific.

Germany, Italy, France and Switzerland are major biogas-producing countries in the European region. In the European Biogas Association, several European countries work together whose directives are to curb carbon emissions. Additionally, other countries like Belgium, Slovakia, Hungary, and the Czech Republic are reinforcing their biogas production levels. The rapid industrial growth and the growing importance of renewable energy production in China and India are projected to increase gas demand in APAC region.

Source: Fatpos Global

The global biogas market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR- United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR- Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR- UK, Germany, France, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia-Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR- India, China, South Korea, Malaysia, Japan, Indonesia, Australia, New Zealand and Rest of Asia-Pacific

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR- North Africa, Israel, GCC, South Africa and Rest of Middle East and Africa

The Global Biogas Market Report also contains an analysis on:

Biogas Market by segment:

By Substrate

Sewage Sludge

Organic Matter

Energy Crops

Others

By Size

Less than 500 kW

500kW-3MW

Greater than 3MW

By Technology

With Pre-Hydrolysis

Without Pre-Hydrolysis

By Process

Sewage

Anaerobic Digestion

Pyrolysis & Gasification

Landfill gas

By Application

Residential

Commercial

Industrial

Others

By Region

North America

Europe

Asia-Pacific

Latin America

Middle east and Africa

Biogas Market Size

Biogas Market Dynamics

Supply and Demand

Current Issues/trends/challenges

Competition and Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

## FAQs on Global Biogas Market

Which segment is anticipated to hold the largest market share?

At what CAGR is the market anticipated to grow between 2020 and 2030?

Who are the key players in the Global Biogas Market?

What could be the challenging factors in the growth of Global Biogas Market?

What are the growth drivers for the Global Biogas Market?

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By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
By Volume (Million Units) 2019-2030F; Y-o-Y Growth (%) 2020-

## Global Waste Derived Biogas Market: Market Segmentation

### By Regions

North America:(U.S. and Canada)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Latin America: (Brazil, Mexico, Argentina, Rest of Latin America)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific)

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### Company Profile

ENGIE

### Company Overview

Company Total Revenue (Financials)

Market Potential

Global Presence

Key Performance Indicators

SWOT Analysis

Product Launch

Ebara Corp



ADI Systems

Kruger USA

WELTEC Biopower

Republic Services

CH4 Biogas LLC

Scandinavian Biogas Fuels International AB

Pressure Technologies Plc

Cryostar SAS

Consultant Recommendation

**\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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