

# Global Biogas Upgrading Equipment Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Biogas Upgrading Equipment market size was valued at USD 205.1 million in 2023 and is forecast to a readjusted size of USD 256.6 million by 2030 with a CAGR of 3.3% during review period.

Biogas upgrading equipment (biogas upgrader) is a facility that is used to concentrate the methane in biogas to natural gas standards. The system removes carbon dioxide, hydrogen sulphide, water and contaminants from the biogas.

The solution is the use of biogas upgrading or purification processes whereby contaminants in the raw biogas stream are absorbed or scrubbed, leaving more methane per unit volume of gas. There are four main methods of upgrading: water washing, pressure swing adsorption, selexol adsorption, and amine gas treating.

The major producers in the industry are Inova BioMethan, Pentair Haffmans and Air Liquide, with their revenue ratios of 13.99%, 10.69% and 7.86% respectively in 2019.

The Global Info Research report includes an overview of the development of the Biogas Upgrading Equipment industry chain, the market status of Municipal and Domestic Sewage (Water Scrubber, Chemical Scrubber), Industrial Wastewater (Water Scrubber, Chemical Scrubber), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Biogas Upgrading Equipment.

Regionally, the report analyzes the Biogas Upgrading Equipment markets in key

regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Biogas Upgrading Equipment market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Biogas Upgrading Equipment market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Biogas Upgrading Equipment industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Water Scrubber, Chemical Scrubber).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Biogas Upgrading Equipment market.

**Regional Analysis:** The report involves examining the Biogas Upgrading Equipment market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Biogas Upgrading Equipment market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Biogas Upgrading Equipment:

**Company Analysis:** Report covers individual Biogas Upgrading Equipment manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Biogas Upgrading Equipment. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Municipal and Domestic Sewage, Industrial Wastewater).

**Technology Analysis:** Report covers specific technologies relevant to Biogas Upgrading Equipment. It assesses the current state, advancements, and potential future developments in Biogas Upgrading Equipment areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Biogas Upgrading Equipment market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Biogas Upgrading Equipment market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Water Scrubber

Chemical Scrubber

PSA

Membrane

### Market segment by Application

Municipal and Domestic Sewage

Industrial Wastewater

Landfill Gas

Agricultural Wastes

Major players covered

Clean Energy Fuels

Greenlane Biogas

Pentair Haffmans

Xebec

Airproducts

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Biogas Upgrading Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Biogas Upgrading Equipment, with price, sales, revenue and global market share of Biogas Upgrading Equipment from 2019 to 2024.

Chapter 3, the Biogas Upgrading Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Biogas Upgrading Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Biogas Upgrading Equipment market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Biogas Upgrading Equipment.

Chapter 14 and 15, to describe Biogas Upgrading Equipment sales channel, distributors, customers, research findings and conclusion.

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