

Global Biogas upgrading equipment Market Size study & Forecast, by Technology (Water scrubber, Chemical scrubber, Pressure swing adsorption (PSA), Membrane and Others) and Regional Analysis, 2022-2029

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Abstracts

Global Biogas upgrading equipment Market is valued approximately USD 11.96 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 15.38% over the forecast period 2022-2029. Biogas is created through the anaerobic digestion of organic resources like manure, sewage sludge, organic waste from houses and companies, and energy crops. The bulk of biogas, which is utilised as a substitute for natural gas and as a renewable energy source in combined heat and power plants, is made up of methane and carbon dioxide. For performing such process, biogas upgrading equipment is being used. the market is being driven by factors such as growing demand for renewable and low-carbon fuels, meeting regulatory regimes demanding reduced carbon emissions and increasing greenhouse gas emissions.

The World Biogas Association (WBA) claims that biogas can provide renewable energy from the world's food waste, industrial production wastes, feedstocks from agriculture, and sewage while reducing global GHG emissions by 10–13%. Positive effects on electricity generation from biogas are anticipated as a result of the reduction in Emissions and fuel optimization. Along with these, Global electricity production has steadily increased over the past ten years as a result of rising energy demand brought on by population growth, industrialization, and urbanization. Global electricity production increased from 21570.7 Terawatt-hours (TWh) in 2010 to 2752.52 TWh in 2021. The International Energy Agency projects that until 2030, the world's energy demand will increase by 9% annually. Thus, rising demand for energy is further fueling the market growth. In addition, reduced reliance on natural gas imports and innovative

technological landscape is creating the market growth. However, the high cost of Biogas upgrading equipment stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Biogas upgrading equipment Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe dominated the market in terms of revenue, owing to rising demand for bio energy and renewable energy sources and the government initiative to reduce carbon emission in the region. Whereas Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as rising energy demand, and favorable government support in the region.

Major market player included in this report are:

Air Liquide SA
Atlas Copco AB
Bright Renewables B.V.
Carbotech Gas Systems GmbH
Condorchem Envitech SL
DMT International
DP CleanTech Co. Ltd.
DVO Inc.
Greenlane Renewables Inc.
HAASE Umwelttechnik GmbH

Recent Developments in the Market:

In January 2021, Aemetis Biogas receives a grant from the California Energy Commission (CEC) for the construction of a biogas upgrading facility for USD 4.1 million. After being fed by a pipeline from anaerobic digesters, the plant will finalize the procedure by converting dairy biogas to renewable natural gas (RNG).

Global Biogas upgrading equipment Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Technology, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working

hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technology offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Water scrubber

Chemical scrubber

Pressure swing adsorption (PSA)

Membrane

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

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