

Global Bio-LNG Market Size study & Forecast, by Application (Transportation Fuel, Power Generation, Others), by Source Type (Organic Household Waste, Organic Industrial Waste, Municipal Waste) and Regional Analysis, 2023-2030

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Abstracts

Global Bio-LNG Market is valued at approximately USD 0.625 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 46.4% over the forecast period 2023-2030. Bio-LNG, short for bio-liquefied natural gas, refers to liquefied natural gas that is produced from organic waste or biomass sources through a process called bio methanation. Bio-LNG is considered a renewable energy source and a low-carbon alternative to traditional LNG. The increase in product demand from the power-generating application sectors and an increase in the use of alternative fuels for energy generation are both efforts to reduce greenhouse gas emissions that is driving the market demand across the globe

In addition, the transportation industry is another factor driving the growth of the bio-LNG market. Bio-LNG is gaining popularity as a diesel and petrol substitute as more businesses seek to lower their carbon footprints. Numerous transportation applications, such as those for heavy-duty vehicles, buses, and ships, can use it. According to the World Bank, in 2023, 20% of the world's GHG emissions are already caused by domestic and international transportation. If transportation-related GHG emissions are not reined in, they might rise by as much as 60% by 2050 as populations, economies, and the need for mobility rise. Certain businesses are investing in specialized bio-LNG production and delivery infrastructure to further encourage its adoption. Due to several important variables, various government initiatives regarding the adoption of Bio-LNG are acting as a opportunistic factor for the market of bio-LNG. However, in some circumstances, Bio-LNG may be more expensive than diesel and other fuels which

stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Bio-LNG Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Europe dominated the market in 2022 Due to the increased product demand from the transportation and power generation application sectors, countries such as Germany, the UK, Spain, and France are anticipated to experience strong growth rates in the industry over the projection period. North America is expected to grow significantly during the forecast period, owing to factors such as a boom in the use of alternative fuels for energy generation to minimize greenhouse gas emissions.

Major market player included in this report are:

Linde plc

Nordsol

Flogas Britain Ltd.

MEGA a.s.

AXEGAZ T&T

TotalEnergies

Titan LNG

DBG Group B.V.

BoxLNG Pvt. Ltd.

Shell Plc

Recent Developments in the Market:

In November 2020, The European Biogas Association, Gas Infrastructure Europe, NGVA Europe, and SEA-LNG urged the EU to acknowledge the possibility of using bio-LNG to help it fulfil its greenhouse gas targets.

Global Bio-LNG Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered - Application, Source Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

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 product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Transportation Fuel

Power Generation

Others

By Source Type:

Organic Household Waste

Organic Industrial Waste

Municipal Waste

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

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

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