

Biogas Plant - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 199 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Biogas Plant Market is expected to register a CAGR of 3.15% during the forecast period.

Key Highlights

- Small-scale digesters are expected to witness significant growth during the forecast period, mainly owing to the low capital requirement and demand in growing economies.
- Technological advancements and innovations in the biogas industry are also likely to serve as an opportunity for the market. Dendro Liquid Energy (DLE), Home Biogas, and BioBang are a few technologies that have attracted new players and driven the market further.
- As of 2021, Europe was the largest biogas producer owing to a large base of biogas facilities, with the majority situated in Germany and Italy.

Biogas Plants Market Trends

Small-scale Digesters Expected to Witness Significant Growth

- The small-scale digesters are digesters with a capacity lesser than 250kW, and due to the lower investment and infrastructure requirement, their share in the global market is growing. Small-scale digesters play an essential role in rural areas of developing nations. Due to inaccessibility to modern technology, digesters are most often used in stoves for cooking and heating purposes.
- Small-scale digesters provide greener energy and reduce the dependency on hydrocarbon fuels, such as natural gas or liquefied

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

petroleum gas. Small-scale digesters also offer food security to economically backward populations.

- Although the share of small-scale digesters was around 24% in 2020, this share is expected to increase gradually during the forecast period. Small-scale digesters are usually prominent in Asian countries like India, Thailand, and China. Gradually the share in the European countries and the United States has also increased. According to the United States Environmental Protection Agency, as of September 2021, more than 317 anaerobic digester projects were operating on livestock farms in the United States.
- With government initiatives, usage of biogas for domestic purposes is expected to increase during the forecast period. For instance, the Government of India launched a policy named National Biogas and Manure Management Programme (NBMMP), which provides subsidies to set up biogas plants for domestic uses, mainly for rural and semi-urban/households.
- Overall, low capital investment requirements, rising demand in growing economies, and supporting government initiatives are expected to propel the growth of the small-scale digester segment during the forecast period.

Europe is Expected to Dominate the Market

- Europe is dominating the biogas plant market with the maximum volume of biogas production. As of 2020, the region was the largest biogas producer, with around 18,943 biogas plants.
- According to the European Biogas Association (EBA), biogas production in Europe is expected to reach 98 billion cubic meters (bcm) of biomethane by 2050, a 4,800% increase in current levels of production.
- The plan to increase biogas production is expected to attract investments to build biogas production facilities, which is expected to promote the growth of biogas plants in the near future.
- Germany has been the frontier of biogas plant development in the region. For the past years, it has been developing a new biogas infrastructure that can provide additional support to the growing biogas market. For instance, in June 2020, a collaboration of industry partners in the biomethane industry and the Deutsche Energie-Agentur built a new biogas pipeline that can bundle the raw biogas supplies up to 48 biogas plants across Germany.
- Moreover, in June 2021, Nordsol and DBG Bio Energy BV signed an agreement to collaborate on the development of a new bio-LNG installation in the Netherlands. DBG Bio Energy BV is using a patented process to convert cellulose-containing industrial waste streams into biogas. Nordsols iLNG technology can process this biogas into bio-LNG in an energy-efficient way. This technology can also provide additional green value through the capture and liquefaction of bioCO₂ from the biogas to replace fossil CO₂.
- Therefore, owing to the above points, increased investment activity, and alignment with the green policies of the region, Europe is expected to witness significant growth in the biogas plant market during the forecast period.

Biogas Plants Industry Overview

The biogas plant market is fragmented. Some of the major players in the biogas plant market include Engie SA, Air Liquide SA, Ameresco Inc., Gasum Oy, and EnviTec Biogas AG.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 1.1 Scope of Study
- 1.2 Market Definition
- 1.3 Study Assumptions

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

- 4.1 Introduction
- 4.2 Biogas Plant Installed Capacity and Forecast in MW, till 2027
- 4.3 Number of Biogas Projects, by Key Countries
- 4.4 Detailed List of Key Existing and Upcoming Biogas Plants
- 4.5 Recent Trends and Developments
- 4.6 Government Policies and Regulations
- 4.7 Market Dynamics
 - 4.7.1 Drivers
 - 4.7.2 Restraints
- 4.8 Supply Chain Analysis
- 4.9 Porter's Five Forces Analysis
 - 4.9.1 Bargaining Power of Suppliers
 - 4.9.2 Bargaining Power of Consumers
 - 4.9.3 Threat of New Entrants
 - 4.9.4 Threat of Substitute Products and Services
 - 4.9.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION

- 5.1 Application
 - 5.1.1 Electricity Generation
 - 5.1.2 Biofuel
 - 5.1.3 Heat Generation
- 5.2 Biogas Plant Type
 - 5.2.1 Small-scale Digesters
 - 5.2.2 Medium- to Large-scale Digesters
- 5.3 Geography
 - 5.3.1 North America
 - 5.3.2 Asia-Pacific
 - 5.3.3 Europe
 - 5.3.4 South America
 - 5.3.5 Middle-East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Strategies Adopted by Leading Players
- 6.3 Company Profiles
 - 6.3.1 Engie SA
 - 6.3.2 Air Liquide SA

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.3.3 Scandinavian Biogas
- 6.3.4 Gasum Oy
- 6.3.5 Ameresco
- 6.3.6 A2A SpA
- 6.3.7 AB Holding SpA (Gruppo AB)
- 6.3.8 EnviTec Biogas AG
- 6.3.9 BTS Biogas SRL/GmbH
- 6.3.10 FWE GmbH
- 6.3.11 Agraferm GmbH

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Biogas Plant - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 199 pages | Mordor Intelligence

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	2026-02-19
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com