

# **Global Biomass Power Market Size study, by Technology (Combustion, Gasification, Anaerobic Digestion) by Feedstock (Solid Biofuel, Liquid Biofuel, Biogas) and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Biomass Power Market is valued approximately USD 114.53 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.0 % over the forecast period 2022-2028. Biomass fuel is a sustainable and renewable source of energy that is obtained from organic material and used to generate electricity or other forms of power. Wood waste or other trash is burned in biomass power plants to produce steam, which drives a turbine to provide electricity or heat for industry and residences. Fortunately, modern technologies such as pollution controls and combustion engineering have progressed to the point where any emissions created by burning biomass in industrial facilities are lower than those produced by burning fossil fuels. Growing worries about GHG emissions have resulted in favourable laws and regulations for renewable energy, which has been a crucial driver driving the market's growth. With rising environmental concerns, several countries have been pushed to boost the share of renewable energy in their power mix, resulting in market development. India, China, Germany, the United Kingdom, and France have all established renewable energy targets with the goal of becoming carbon-neutral in the future. Furthermore, the market is driven by increased adoption as a result of favourable policies and regulations. In 2019, 14 projects in the United States added 177 MW of biomass generating capacity. The current project, which began in 2019, was completed in Florida, Georgia, California, and Hawaii. Furthermore, in the country, about 384 MW of biomass power projects are in various stages of construction. Over the projection period, these factors are expected to promote the country's market growth. Furthermore, countries in the European Union are pursuing a coal phase-out, which is projected to increase demand for biomass power. Furthermore, in nations such as India, the United States, and China, coal-fired power

stations are co-fired with biomass feedstock to reduce carbon emissions. These factors will contribute to the market's growth over the forecast period. Mismanagement of biomass and a lack of understanding among developing economies, on the other hand, will stifle market growth between 2021 and 2027.

The key regions considered for the global Biomass Power Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe was the largest regional market. In its long-term strategy, the European Union aims to be carbon-neutral by 2050. This goal is in keeping with the promises made by the European Union as part of the Paris Agreement. According to the European Green Deal, the European Commission passed the first-ever European Climate Law in March 2020, paving the way for the EU to reach its 2050 climate-neutrality goal. Furthermore, member countries of the European Union must design and implement national long-term strategies in order to meet their Paris Agreement commitments. The market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Mitsubishi Heavy Industries, Ltd.

Suez

Xcel Energy Inc.

Ramboll Group A/S

Babcock & Wilcox Enterprises, Inc.

Ørsted A/S

Ameresco

General Electric

Veolia

Vattenfall

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Technology

Combustion

Gasification

Anaerobic Digestion

By Feedstock

Solid Biofuel

Liquid Biofuel

Biogas

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Biomass Power Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Billion)
  - 1.2.1. Biomass Power Market, by Region, 2020-2028 (USD Billion)
  - 1.2.2. Biomass Power Market, by Technology, 2020-2028 (USD Billion)
  - 1.2.3. Biomass Power Market, by Feedstock, 2020-2028 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL BIOMASS POWER MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL BIOMASS POWER MARKET DYNAMICS**

- 3.1. Biomass Power Market Impact Analysis (2020-2028)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Growing concerns about Greenhouse Gas (GHG) emissions
    - 3.1.1.2. Increasing investments in Biomass Power Projects
  - 3.1.2. Market Challenges
    - 3.1.2.1. Mismanagement of biomass
    - 3.1.2.2. Lack of understanding among developing economies
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Government regulations regarding phase out of Coal based power
    - 3.1.3.2. Increasing demand for renewable sources of power

### **CHAPTER 4. GLOBAL BIOMASS POWER MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

## **CHAPTER 6. GLOBAL BIOMASS POWER MARKET, BY TECHNOLOGY**

- 6.1. Market Snapshot
- 6.2. Global Biomass Power Market by Technology, Performance - Potential Analysis
- 6.3. Global Biomass Power Market Estimates & Forecasts by Technology 2018-2028 (USD Billion)
- 6.4. Biomass Power Market, Sub Segment Analysis
  - 6.4.1. Combustion
  - 6.4.2. Gasification
  - 6.4.3. Anaerobic Digestion

## **CHAPTER 7. GLOBAL BIOMASS POWER MARKET, BY FEEDSTOCK**

- 7.1. Market Snapshot
- 7.2. Global Biomass Power Market by Feedstock, Performance - Potential Analysis
- 7.3. Global Biomass Power Market Estimates & Forecasts by Feedstock 2018-2028 (USD Billion)
- 7.4. Biomass Power Market, Sub Segment Analysis
  - 7.4.1. Solid Biofuel

- 7.4.2. Liquid Biofuel
- 7.4.3. Biogas

## **CHAPTER 8. GLOBAL BIOMASS POWER MARKET, REGIONAL ANALYSIS**

- 8.1. Biomass Power Market, Regional Market Snapshot
- 8.2. North America Biomass Power Market
  - 8.2.1. U.S. Biomass Power Market
    - 8.2.1.1. Technology breakdown estimates & forecasts, 2018-2028
    - 8.2.1.2. Feedstock breakdown estimates & forecasts, 2018-2028
  - 8.2.2. Canada Biomass Power Market
- 8.3. Europe Biomass Power Market Snapshot
  - 8.3.1. U.K. Biomass Power Market
  - 8.3.2. Germany Biomass Power Market
  - 8.3.3. France Biomass Power Market
  - 8.3.4. Spain Biomass Power Market
  - 8.3.5. Italy Biomass Power Market
  - 8.3.6. Rest of Europe Biomass Power Market
- 8.4. Asia-Pacific Biomass Power Market Snapshot
  - 8.4.1. China Biomass Power Market
  - 8.4.2. India Biomass Power Market
  - 8.4.3. Japan Biomass Power Market
  - 8.4.4. Australia Biomass Power Market
  - 8.4.5. South Korea Biomass Power Market
  - 8.4.6. Rest of Asia Pacific Biomass Power Market
- 8.5. Latin America Biomass Power Market Snapshot
  - 8.5.1. Brazil Biomass Power Market
  - 8.5.2. Mexico Biomass Power Market
- 8.6. Rest of The World Biomass Power Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. Mitsubishi Heavy Industries, Ltd.
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Product Summary

- 9.2.1.5. Recent Developments
- 9.2.2. Suez
- 9.2.3. Xcel Energy Inc.
- 9.2.4. Ramboll Group A/S
- 9.2.5. Babcock & Wilcox Enterprises, Inc.
- 9.2.6. Ørsted A/S
- 9.2.7. Ameresco
- 9.2.8. General Electric
- 9.2.9. Veolia
- 9.2.10. Vattenfall

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Biomass Power market, report scope

TABLE 2. Global Biomass Power market estimates & forecasts by Region 2018-2028 (USD Billion)

TABLE 3. Global Biomass Power market estimates & forecasts by Technology 2018-2028 (USD Billion)

TABLE 4. Global Biomass Power market estimates & forecasts by Feedstock 2018-2028 (USD Billion)

TABLE 5. Global Biomass Power market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 6. Global Biomass Power market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 7. Global Biomass Power market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 8. Global Biomass Power market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 9. Global Biomass Power market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 10. Global Biomass Power market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 11. Global Biomass Power market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 12. Global Biomass Power market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 13. Global Biomass Power market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 14. Global Biomass Power market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 15. U.S. Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 16. U.S. Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 17. U.S. Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 18. Canada Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 19. Canada Biomass Power market estimates & forecasts by segment

2018-2028 (USD Billion)

TABLE 20. Canada Biomass Power market estimates & forecasts by segment

2018-2028 (USD Billion)

TABLE 21. UK Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 22. UK Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 23. UK Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 24. Germany Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 25. Germany Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 26. Germany Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 27. RoE Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 28. RoE Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 29. RoE Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 30. China Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 31. China Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 32. China Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 33. India Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 34. India Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 35. India Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 36. Japan Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 37. Japan Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 38. Japan Biomass Power market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 39. RoAPAC Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 40. RoAPAC Biomass Power market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 41. RoAPAC Biomass Power market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 42. Brazil Biomass Power market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 43. Brazil Biomass Power market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 44. Brazil Biomass Power market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 45. Mexico Biomass Power market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 46. Mexico Biomass Power market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 47. Mexico Biomass Power market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 48. RoLA Biomass Power market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 49. RoLA Biomass Power market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 50. RoLA Biomass Power market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 51. Row Biomass Power market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 52. Row Biomass Power market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 53. Row Biomass Power market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 54. List of secondary sources, used in the study of global Biomass Power  
market

TABLE 55. List of primary sources, used in the study of global Biomass Power market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Biomass Power market, research methodology
- FIG 2. Global Biomass Power market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Biomass Power market, key trends 2021
- FIG 5. Global Biomass Power market, growth prospects 2022-2028
- FIG 6. Global Biomass Power market, porters 5 force model
- FIG 7. Global Biomass Power market, pest analysis
- FIG 8. Global Biomass Power market, value chain analysis
- FIG 9. Global Biomass Power market by segment, 2018 & 2028 (USD Billion)
- FIG 10. Global Biomass Power market by segment, 2018 & 2028 (USD Billion)
- FIG 11. Global Biomass Power market by segment, 2018 & 2028 (USD Billion)
- FIG 12. Global Biomass Power market by segment, 2018 & 2028 (USD Billion)
- FIG 13. Global Biomass Power market by segment, 2018 & 2028 (USD Billion)
- FIG 14. Global Biomass Power market, regional snapshot 2018 & 2028
- FIG 15. North America Biomass Power market 2018 & 2028 (USD Billion)
- FIG 16. Europe Biomass Power market 2018 & 2028 (USD Billion)
- FIG 17. Asia pacific Biomass Power market 2018 & 2028 (USD Billion)
- FIG 18. Latin America Biomass Power market 2018 & 2028 (USD Billion)
- FIG 19. Global Biomass Power market, company market share analysis (2021)

## I would like to order

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