

# **Waste-to-Energy Plants Market – Global Industry Size, Share, Trends, Opportunity, and Forecast. Segmented By Technology (Thermochemical, Biochemical), By Waste Type (Municipal Solid Waste, Process Waste, Agricultural Waste, Others), By Application (Electricity, Heat), By Region, By Company and By Geography, Forecast & Opportunities, 2018-2028**

<https://marketpublishers.com/r/WDD16DD1CCB8EN.html>

Date: November 2023

Pages: 178

Price: US\$ 4,900.00 (Single User License)

ID: WDD16DD1CCB8EN

## **Abstracts**

The global Waste-to-Energy (WtE) Plants market presents a dynamic landscape that intersects waste management, energy generation, and environmental stewardship. As urbanization surges and waste volumes escalate, the imperative to find sustainable solutions for waste disposal and energy needs has fueled the growth of this market. WtE plants represent a pivotal convergence of technology, policy, and innovation, offering a pathway to transform waste materials into valuable resources while addressing critical environmental challenges.

The global WtE Plants market is driven by the relentless growth in waste generation due to population expansion and urbanization. As cities become epicenters of economic activity and residence, the waste generated from households, commercial establishments, and industries has reached unprecedented levels. This surge in waste output has strained conventional waste management practices, highlighting the need for more efficient and environmentally responsible alternatives.

The escalating demand for energy, combined with concerns over resource scarcity, serves as a powerful catalyst for the WtE Plants market. With economies expanding and industries flourishing, the consumption of energy has surged, necessitating a diverse and sustainable energy mix. WtE plants step in by transforming waste materials

into usable energy, providing a renewable source that aids in meeting energy demand and enhancing energy security. By mitigating the need for fossil fuels, WtE addresses resource scarcity and contributes to a cleaner energy landscape.

Stricter environmental regulations and the shift towards circular economy principles are shaping the trajectory of the global WtE Plants market. Governments worldwide are imposing stringent waste management guidelines to reduce environmental impact and promote sustainable practices. WtE facilities are well-positioned to align with these mandates by diverting waste from landfills, curtailing greenhouse gas emissions, and generating energy. This alignment with circular economy goals has positioned WtE as an integral component of waste management strategies that prioritize resource recovery and emissions reduction.

Technological innovation is driving transformative change within the WtE Plants market. Advanced gasification, pyrolysis, and plasma technologies are ushering in higher energy conversion efficiencies and lower emissions, making WtE an increasingly viable and competitive solution. Automation, data analytics, and predictive maintenance are enhancing operational efficiency, ensuring optimal plant performance, and maximizing energy recovery. These technological strides are propelling the industry toward greater sustainability, economic viability, and operational excellence.

The pursuit of sustainable development and climate action is a linchpin in the global WtE Plants market. Amid mounting concerns over climate change, countries are committed to reducing greenhouse gas emissions and fostering renewable energy adoption. WtE plants play a dual role in this endeavor—diverting waste from landfills to mitigate methane emissions and generating clean energy that offsets fossil fuel consumption. By aligning with sustainability and climate goals, WtE plants underscore their significance in addressing global challenges at the intersection of waste management and renewable energy production.

Economic considerations and innovative financing models exert a significant influence on the WtE Plants market. While initial investments can be substantial, the long-term economic viability of WtE projects rests on factors such as waste pricing, energy market dynamics, and operational costs. Public-private partnerships, subsidies, and grants are emerging as key mechanisms to mitigate financial risks and incentivize investment in WtE ventures. These models ensure the sustainable growth of the market by making it more attractive to both public and private sectors.

The WtE Plants market is not without challenges. Regulatory complexities,

technological risks, public perception, and feedstock variability pose hurdles that demand strategic approaches and collaboration. Nevertheless, the market's trajectory remains promising. With increasing waste generation and energy demand, coupled with the need for sustainable waste management practices, WtE plants offer a holistic solution that contributes to cleaner environments, reduced greenhouse gas emissions, and reliable energy sources.

## Key Market Drivers

### Increasing Waste Generation and Urbanization

The global Waste-to-Energy (WtE) Plants market is driven by the relentless growth of waste generation and urbanization. As the global population continues to expand and urban areas become denser, the volume of waste generated from households, businesses, and industries escalates. Traditional waste management methods, such as landfilling, are becoming increasingly unsustainable due to limited land availability and environmental concerns. WtE plants offer a solution by efficiently converting waste into valuable energy resources while reducing the reliance on landfills. This driver gains further momentum as countries aim to manage waste streams in an environmentally responsible manner, aligning with global sustainability goals.

### Growing Energy Demand and Resource Scarcity

The surging demand for energy, coupled with concerns over resource scarcity, propels the global WtE Plants market. As economies expand and industries thrive, energy consumption rises, creating a need for reliable and diversified energy sources. WtE plants address this demand by harnessing waste as a resource, minimizing the reliance on fossil fuels, and contributing to a more sustainable energy mix. By generating electricity and heat from waste, these plants reduce pressure on traditional energy sources and offer a renewable alternative that supports energy security and resilience.

### Environmental Regulations and Circular Economy Mandates

Stringent environmental regulations and the global shift toward circular economy principles exert substantial influence on the growth of the Waste-to-Energy (WtE) Plants market. Governments worldwide are increasingly emphasizing waste reduction, resource recovery, and sustainable waste management practices. WtE facilities align with these mandates by diverting waste from landfills, reducing greenhouse gas emissions from waste decomposition, and generating clean energy. This driver gains

traction as WtE plants provide a bridge between waste management and energy generation, enabling industries to adhere to regulations and contribute to circular economy goals simultaneously.

### Technological Advancements and Efficiency Improvements

Technological advancements play a pivotal role in driving the global WtE Plants market forward. Continuous innovation has led to the development of more efficient and environmentally friendly WtE processes. Advanced gasification, pyrolysis, and plasma technologies offer higher energy conversion efficiencies and lower emissions, making WtE plants more attractive to both investors and regulatory authorities. Furthermore, integration of automation, data analytics, and predictive maintenance enhances plant operations and maximizes energy recovery. As these technologies mature and become more accessible, the overall competitiveness and viability of WtE projects increase, driving market growth.

### Sustainable Development and Climate Goals

The pursuit of sustainable development and climate mitigation goals provides a significant impetus to the global WtE Plants market. Countries are committed to reducing their carbon footprints, increasing renewable energy adoption, and mitigating the impacts of climate change. WtE plants contribute to these objectives by diverting waste from landfills, which emit methane—a potent greenhouse gas—and by generating clean energy that displaces fossil fuel consumption. The alignment of WtE with sustainability and climate targets enhances their appeal as a solution that simultaneously addresses waste management challenges and contributes to global efforts to combat climate change.

### Key Market Challenges

#### Regulatory Hurdles and Environmental Concerns

The global Waste-to-Energy (WtE) Plants market faces a multifaceted challenge stemming from the intricate web of regulatory frameworks and environmental concerns. As governments strive to strike a balance between energy generation and environmental protection, navigating the intricate maze of permits, emissions limits, and waste management regulations becomes a daunting task. Stricter emissions standards, coupled with public scrutiny over air quality and potential health impacts, necessitate advanced pollution control technologies within WtE facilities. This challenge is

exacerbated by the need to ensure compliance across borders, as waste composition and regulatory expectations vary widely. The industry must proactively engage with regulatory bodies, adopt stringent emission control measures, and demonstrate the environmental sustainability of WtE processes to alleviate these concerns.

### Technological and Financial Risks

The adoption of innovative technologies within the global WtE Plants market introduces a dual challenge of technological and financial risks. The development and deployment of advanced WtE processes demand substantial investments in research, development, and pilot projects. While these technologies hold the promise of enhanced efficiency and reduced emissions, there's an inherent risk of unanticipated technical challenges and operational complexities. Additionally, the financial risk associated with such technology adoption can be significant, with long payback periods and uncertainties regarding market demand and government incentives. To address this challenge, stakeholders must carefully assess the technical viability, scalability, and financial feasibility of advanced technologies, while also fostering a conducive environment for public and private investment.

### Feedstock Variability and Composition

The diversity and variability of feedstock entering WtE facilities pose a complex challenge to the industry. Different waste types, compositions, moisture levels, and calorific values can significantly impact the efficiency and performance of WtE processes. Maintaining consistent energy recovery while managing varying feedstock inputs requires adaptable technologies and robust operational strategies. Waste sorting and pre-treatment technologies play a crucial role in mitigating this challenge by optimizing waste streams for optimal energy conversion. However, achieving reliable waste characterization and supply chain consistency remains a formidable challenge that demands continuous innovation and collaboration across waste management stakeholders.

### Public Perception and Acceptance

Public perception and acceptance of Waste-to-Energy (WtE) facilities remain a challenging frontier for the industry. While WtE offers sustainable waste management and energy generation benefits, misconceptions and concerns persist among communities and environmental advocacy groups. Fear of air pollution, emissions, and negative health impacts can lead to strong opposition against the establishment of WtE

plants in proximity to residential areas. Overcoming this challenge requires proactive communication, transparency, and public engagement initiatives. Industry stakeholders must bridge the information gap, present verifiable data on emissions control, and showcase successful case studies to foster informed discussions and build trust within communities.

### Economic Viability and Financing

The economic viability of Waste-to-Energy (WtE) projects remains a critical challenge influenced by factors ranging from waste pricing and energy market dynamics to operational costs and project financing. The energy market's volatility, competition from other renewable energy sources, and regulatory changes can impact the financial feasibility of WtE plants. Moreover, the initial investment costs associated with building and operating WtE facilities can deter potential investors and limit project development. Overcoming this challenge requires innovative financing models, such as public-private partnerships, grants, and subsidies, to mitigate the financial risk and incentivize sustainable waste management and energy recovery projects. A comprehensive assessment of project economics, operational efficiencies, and revenue streams is essential to navigate this complex landscape and ensure the long-term economic viability of WtE ventures.

### Key Market Trends

#### Technological Advancements Driving Efficiency and Sustainability

In the dynamic landscape of the global Waste-to-Energy (WtE) Plants market, technological advancements are emerging as a powerful trend reshaping the industry. Innovations in WtE technologies are focused on enhancing efficiency, sustainability, and environmental performance. Key trends in this area include the development of advanced gasification and pyrolysis techniques, integration of energy recovery with resource recycling, and the utilization of artificial intelligence (AI) and data analytics to optimize plant operations. These technological strides not only boost energy conversion efficiency but also contribute to minimizing emissions, improving waste sorting, and maximizing resource recovery from waste streams. As the market continues to embrace innovation, WtE plants are poised to become increasingly efficient, environmentally friendly, and integral components of circular economy initiatives.

#### Transition to Advanced Thermal Conversion Processes



The global WtE Plants market is witnessing a notable shift towards advanced thermal conversion processes, marking a significant trend in waste management strategies. While traditional incineration remains a prevalent choice, there is growing momentum towards adopting more advanced methods such as gasification and pyrolysis. These processes offer higher energy efficiency, reduced emissions, and greater flexibility in handling diverse waste streams. Gasification, in particular, is gaining prominence due to its ability to convert a wide range of waste types into valuable syngas for electricity and heat generation. This trend reflects the industry's aspiration to harness cutting-edge technologies that align with sustainable development goals and mitigate environmental impacts.

### Integration of Renewable Energy and Grid Services

Another compelling trend in the WtE Plants market is the integration of waste-to-energy facilities with renewable energy generation and grid services. As energy transition efforts gain momentum, WtE plants are increasingly viewed as valuable contributors to the renewable energy mix. Combined heat and power (CHP) configurations, where waste-derived energy is harnessed for both electricity and heat generation, are gaining traction. Additionally, some WtE plants are exploring opportunities to participate in grid services, providing stability and demand response capabilities to the power grid. This integration not only enhances the economic viability of WtE projects but also reinforces the role of waste management in supporting sustainable energy systems.

### Embracing Circular Economy Principles

The global WtE Plants market is aligning with the principles of the circular economy, which emphasize resource efficiency and the reduction of waste generation. This trend is driving innovations in waste sorting and recovery technologies, enabling the extraction of valuable materials from waste streams before energy conversion. Strategies such as pre-treatment, mechanical biological treatment (MBT), and composting are gaining prominence, allowing WtE plants to recover metals, plastics, and organic matter for recycling and reuse. By adopting a holistic approach that combines energy recovery with resource extraction, WtE plants are contributing to a more sustainable and circular waste management ecosystem.

### Collaborations and Public-Private Partnerships

In the global WtE Plants market, collaborations and public-private partnerships are emerging as pivotal trends that foster cross-sectoral cooperation and expertise sharing.

Governments, municipalities, technology providers, and investors are increasingly collaborating to address the complex challenges of waste management and energy generation. Public-private partnerships enable the pooling of resources, expertise, and funding to develop and operate WtE projects more efficiently. These partnerships facilitate the exchange of best practices, regulatory compliance, and risk-sharing, driving the expansion of WtE infrastructure and the dissemination of sustainable waste management practices across regions.

## Segmental Insights

### Waste Type Insights

Municipal solid waste segment dominates in the global Waste-to-Energy Plants market in 2022. The dominance of the Municipal Solid Waste (MSW) segment in the global Waste-to-Energy (WtE) Plants market is rooted in the sheer scale of urbanization and waste generation across the world. As populations continue to concentrate in urban areas, the volume of waste generated from households, businesses, and institutions surges. MSW embodies a diverse mix of materials, including organic matter, plastics, paper, and more, making it an ideal candidate for WtE conversion.

The dominance of the MSW segment is further accentuated by the escalating challenges posed by landfill space constraints, environmental concerns, and the need for sustainable waste management solutions. Traditional landfilling is becoming increasingly untenable due to space limitations, regulatory pressures, and environmental considerations related to emissions and leachate. WtE plants provide an efficient alternative by converting MSW into valuable resources, such as electricity and heat, while simultaneously reducing landfill volumes and minimizing the associated environmental impacts.

Moreover, the energy potential locked within MSW is significant. The diverse composition of MSW offers a blend of organic and non-organic materials, enabling versatile WtE technologies to harness this mix for energy generation. Thermochemical processes, such as incineration and gasification, can efficiently convert MSW into heat or electricity, contributing to local energy needs and reducing reliance on conventional fossil fuels.

## Technology Insights

Thermochemical segment dominates in the global Waste-to-Energy Plants market in



2022. The dominance of the Thermochemical technology segment in the global Waste-to-Energy (WtE) Plants market can be attributed to its established technological framework and versatility in handling a wide range of waste compositions.

Thermochemical processes, such as incineration and gasification, involve the controlled combustion of waste at high temperatures, converting it into heat and energy-rich gases that can subsequently be used for electricity generation or heat production.

One of the key factors propelling the dominance of Thermochemical technology is its maturity and proven track record. Thermochemical processes have been in use for decades and have undergone extensive refinements, resulting in improved efficiency, reduced emissions, and enhanced environmental controls. This technological maturity lends credibility and reliability to Thermochemical WtE solutions, instilling confidence in both investors and regulatory authorities.

Furthermore, Thermochemical technology excels in addressing the diverse waste streams prevalent in the global waste landscape. This versatility enables it to handle various waste types, including municipal solid waste, industrial waste, and hazardous waste, without requiring substantial modifications to the process. Thermochemical processes are designed to accommodate different waste compositions, ensuring that the energy recovery potential is maximized regardless of the waste's origin.

### Regional Insights

Asia-Pacific dominates in the global Waste-to-Energy Plants market in 2022. The Asia-Pacific region is home to a substantial portion of the world's population, with many countries experiencing rapid urbanization. This demographic trend leads to increased waste generation, creating a significant demand for effective waste management solutions such as Waste-to-Energy plants. As urban areas expand, the need for sustainable waste disposal and energy generation becomes critical, driving the adoption of Waste-to-Energy technologies.

Many countries in the Asia-Pacific region face challenges related to land availability for waste disposal. Traditional landfilling is often impractical due to limited space and environmental concerns. Waste-to-Energy plants provide a viable alternative, as they allow waste to be converted into energy without requiring extensive land use. This factor encourages governments and municipalities to invest in Waste-to-Energy facilities to address waste management challenges.

The Asia-Pacific region is characterized by rapid industrialization and economic growth,

leading to an increasing demand for energy. Waste-to-Energy plants offer a dual advantage by providing a solution for waste management while also generating electricity or heat. This aligns with the region's energy diversification goals and contributes to the overall energy supply.

## Key Market Players

Enerkem

Waste Management

Covanta Energy

Mitsubishi Heavy Industries

Suez

China Everbright International

Ramboll

Stedin

Keppel Seghers

Mitsui

## Report Scope:

In this report, the Global Waste-to-Energy Plants Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Global Waste-to-Energy Plants Market, By Technology:

Thermochemical

Biochemical

### Global Waste-to-Energy Plants Market, By Waste Type:

Municipal Solid Waste

Process Waste

Agricultural Waste

Others

### Global Waste-to-Energy Plants Market, By Application:

Electricity

Heat

### Global Waste-to-Energy Plants Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

South America

Brazil

Argentina

Colombia

Asia-Pacific

China

India

Japan

South Korea

Australia

Middle East & Africa

Saudi Arabia

UAE

South Africa

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the Global Waste-to-Energy Plants Market.

## Available Customizations:

Global Waste-to-Energy Plants Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Baseline Methodology
- 2.2. Key Industry Partners
- 2.3. Major Association and Secondary Sources
- 2.4. Forecasting Methodology
- 2.5. Data Triangulation & Validation
- 2.6. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

### **4. IMPACT OF COVID-19 ON GLOBAL WASTE-TO-ENERGY PLANTS MARKET**

### **5. VOICE OF CUSTOMER**

### **6. GLOBAL WASTE-TO-ENERGY PLANTS MARKET OVERVIEW**

### **7. GLOBAL WASTE-TO-ENERGY PLANTS MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Technology (Thermochemical, Biochemical)
  - 7.2.2. By Waste Type (Municipal Solid Waste, Process Waste, Agricultural Waste, Others)
  - 7.2.3. By Application (Electricity, Heat)
  - 7.2.4. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)
- 7.3. By Company (2022)



## 7.4. Market Map

# 8. NORTH AMERICA WASTE-TO-ENERGY PLANTS MARKET OUTLOOK

## 8.1. Market Size & Forecast

### 8.1.1. By Value

## 8.2. Market Share & Forecast

### 8.2.1. By Technology

### 8.2.2. By Waste Type

### 8.2.3. By Application

### 8.2.4. By Country

#### 8.2.4.1. United States Waste-to-Energy Plants Market Outlook

##### 8.2.4.1.1. Market Size & Forecast

###### 8.2.4.1.1.1. By Value

##### 8.2.4.1.2. Market Share & Forecast

###### 8.2.4.1.2.1. By Technology

###### 8.2.4.1.2.2. By Waste Type

###### 8.2.4.1.2.3. By Application

#### 8.2.4.2. Canada Waste-to-Energy Plants Market Outlook

##### 8.2.4.2.1. Market Size & Forecast

###### 8.2.4.2.1.1. By Value

##### 8.2.4.2.2. Market Share & Forecast

###### 8.2.4.2.2.1. By Technology

###### 8.2.4.2.2.2. By Waste Type

###### 8.2.4.2.2.3. By Application

#### 8.2.4.3. Mexico Waste-to-Energy Plants Market Outlook

##### 8.2.4.3.1. Market Size & Forecast

###### 8.2.4.3.1.1. By Value

##### 8.2.4.3.2. Market Share & Forecast

###### 8.2.4.3.2.1. By Technology

###### 8.2.4.3.2.2. By Waste Type

###### 8.2.4.3.2.3. By Application

# 9. EUROPE WASTE-TO-ENERGY PLANTS MARKET OUTLOOK

## 9.1. Market Size & Forecast

### 9.1.1. By Value

## 9.2. Market Share & Forecast

### 9.2.1. By Technology

- 9.2.2. By Waste Type
- 9.2.3. By Application
- 9.2.4. By Country
  - 9.2.4.1. Germany Waste-to-Energy Plants Market Outlook
    - 9.2.4.1.1. Market Size & Forecast
      - 9.2.4.1.1.1. By Value
    - 9.2.4.1.2. Market Share & Forecast
      - 9.2.4.1.2.1. By Technology
      - 9.2.4.1.2.2. By Waste Type
      - 9.2.4.1.2.3. By Application
  - 9.2.4.2. France Waste-to-Energy Plants Market Outlook
    - 9.2.4.2.1. Market Size & Forecast
      - 9.2.4.2.1.1. By Value
    - 9.2.4.2.2. Market Share & Forecast
      - 9.2.4.2.2.1. By Technology
      - 9.2.4.2.2.2. By Waste Type
      - 9.2.4.2.2.3. By Application
  - 9.2.4.3. United Kingdom Waste-to-Energy Plants Market Outlook
    - 9.2.4.3.1. Market Size & Forecast
      - 9.2.4.3.1.1. By Value
    - 9.2.4.3.2. Market Share & Forecast
      - 9.2.4.3.2.1. By Technology
      - 9.2.4.3.2.2. By Waste Type
      - 9.2.4.3.2.3. By Application
  - 9.2.4.4. Italy Waste-to-Energy Plants Market Outlook
    - 9.2.4.4.1. Market Size & Forecast
      - 9.2.4.4.1.1. By Value
    - 9.2.4.4.2. Market Share & Forecast
      - 9.2.4.4.2.1. By Technology
      - 9.2.4.4.2.2. By Waste Type
      - 9.2.4.4.2.3. By Application
  - 9.2.4.5. Spain Waste-to-Energy Plants Market Outlook
    - 9.2.4.5.1. Market Size & Forecast
      - 9.2.4.5.1.1. By Value
    - 9.2.4.5.2. Market Share & Forecast
      - 9.2.4.5.2.1. By Technology
      - 9.2.4.5.2.2. By Waste Type
      - 9.2.4.5.2.3. By Application

## **10. SOUTH AMERICA WASTE-TO-ENERGY PLANTS MARKET OUTLOOK**

### 10.1. Market Size & Forecast

#### 10.1.1. By Value

### 10.2. Market Share & Forecast

#### 10.2.1. By Technology

#### 10.2.2. By Waste Type

#### 10.2.3. By Application

#### 10.2.4. By Country

##### 10.2.4.1. Brazil Waste-to-Energy Plants Market Outlook

###### 10.2.4.1.1. Market Size & Forecast

###### 10.2.4.1.1.1. By Value

###### 10.2.4.1.2. Market Share & Forecast

###### 10.2.4.1.2.1. By Technology

###### 10.2.4.1.2.2. By Waste Type

###### 10.2.4.1.2.3. By Application

##### 10.2.4.2. Colombia Waste-to-Energy Plants Market Outlook

###### 10.2.4.2.1. Market Size & Forecast

###### 10.2.4.2.1.1. By Value

###### 10.2.4.2.2. Market Share & Forecast

###### 10.2.4.2.2.1. By Technology

###### 10.2.4.2.2.2. By Waste Type

###### 10.2.4.2.2.3. By Application

##### 10.2.4.3. Argentina Waste-to-Energy Plants Market Outlook

###### 10.2.4.3.1. Market Size & Forecast

###### 10.2.4.3.1.1. By Value

###### 10.2.4.3.2. Market Share & Forecast

###### 10.2.4.3.2.1. By Technology

###### 10.2.4.3.2.2. By Waste Type

###### 10.2.4.3.2.3. By Application

## **11. MIDDLE EAST & AFRICA WASTE-TO-ENERGY PLANTS MARKET OUTLOOK**

### 11.1. Market Size & Forecast

#### 11.1.1. By Value

### 11.2. Market Share & Forecast

#### 11.2.1. By Technology

#### 11.2.2. By Waste Type

#### 11.2.3. By Application

- 11.2.4. By Country
  - 11.2.4.1. Saudi Arabia Waste-to-Energy Plants Market Outlook
    - 11.2.4.1.1. Market Size & Forecast
      - 11.2.4.1.1.1. By Value
    - 11.2.4.1.2. Market Share & Forecast
      - 11.2.4.1.2.1. By Technology
      - 11.2.4.1.2.2. By Waste Type
      - 11.2.4.1.2.3. By Application
  - 11.2.4.2. UAE Waste-to-Energy Plants Market Outlook
    - 11.2.4.2.1. Market Size & Forecast
      - 11.2.4.2.1.1. By Value
    - 11.2.4.2.2. Market Share & Forecast
      - 11.2.4.2.2.1. By Technology
      - 11.2.4.2.2.2. By Waste Type
      - 11.2.4.2.2.3. By Application
  - 11.2.4.3. South Africa Waste-to-Energy Plants Market Outlook
    - 11.2.4.3.1. Market Size & Forecast
      - 11.2.4.3.1.1. By Value
    - 11.2.4.3.2. Market Share & Forecast
      - 11.2.4.3.2.1. By Technology
      - 11.2.4.3.2.2. By Waste Type
      - 11.2.4.3.2.3. By Application

## **12. ASIA PACIFIC WASTE-TO-ENERGY PLANTS MARKET OUTLOOK**

- 12.1. Market Size & Forecast
  - 12.1.1. By Value
- 12.2. Market Size & Forecast
  - 12.2.1. By Technology
  - 12.2.2. By Waste Type
  - 12.2.3. By Application
  - 12.2.4. By Country
    - 12.2.4.1. China Waste-to-Energy Plants Market Outlook
      - 12.2.4.1.1. Market Size & Forecast
        - 12.2.4.1.1.1. By Value
      - 12.2.4.1.2. Market Share & Forecast
        - 12.2.4.1.2.1. By Technology
        - 12.2.4.1.2.2. By Waste Type
        - 12.2.4.1.2.3. By Application

#### 12.2.4.2. India Waste-to-Energy Plants Market Outlook

##### 12.2.4.2.1. Market Size & Forecast

###### 12.2.4.2.1.1. By Value

##### 12.2.4.2.2. Market Share & Forecast

###### 12.2.4.2.2.1. By Technology

###### 12.2.4.2.2.2. By Waste Type

###### 12.2.4.2.2.3. By Application

#### 12.2.4.3. Japan Waste-to-Energy Plants Market Outlook

##### 12.2.4.3.1. Market Size & Forecast

###### 12.2.4.3.1.1. By Value

##### 12.2.4.3.2. Market Share & Forecast

###### 12.2.4.3.2.1. By Technology

###### 12.2.4.3.2.2. By Waste Type

###### 12.2.4.3.2.3. By Application

#### 12.2.4.4. South Korea Waste-to-Energy Plants Market Outlook

##### 12.2.4.4.1. Market Size & Forecast

###### 12.2.4.4.1.1. By Value

##### 12.2.4.4.2. Market Share & Forecast

###### 12.2.4.4.2.1. By Technology

###### 12.2.4.4.2.2. By Waste Type

###### 12.2.4.4.2.3. By Application

#### 12.2.4.5. Australia Waste-to-Energy Plants Market Outlook

##### 12.2.4.5.1. Market Size & Forecast

###### 12.2.4.5.1.1. By Value

##### 12.2.4.5.2. Market Share & Forecast

###### 12.2.4.5.2.1. By Technology

###### 12.2.4.5.2.2. By Waste Type

###### 12.2.4.5.2.3. By Application

### **13. MARKET DYNAMICS**

#### 13.1. Drivers

#### 13.2. Challenges

### **14. MARKET TRENDS AND DEVELOPMENTS**

### **15. COMPANY PROFILES**

#### 15.1. Enerkem

- 15.1.1. Business Overview
- 15.1.2. Key Revenue and Financials
- 15.1.3. Recent Developments
- 15.1.4. Key Personnel
- 15.1.5. Key Product/Services Offered
- 15.2. Waste Management
  - 15.2.1. Business Overview
  - 15.2.2. Key Revenue and Financials
  - 15.2.3. Recent Developments
  - 15.2.4. Key Personnel
  - 15.2.5. Key Product/Services Offered
- 15.3. Covanta Energy
  - 15.3.1. Business Overview
  - 15.3.2. Key Revenue and Financials
  - 15.3.3. Recent Developments
  - 15.3.4. Key Personnel
  - 15.3.5. Key Product/Services Offered
- 15.4. Mitsubishi Heavy Industries
  - 15.4.1. Business Overview
  - 15.4.2. Key Revenue and Financials
  - 15.4.3. Recent Developments
  - 15.4.4. Key Personnel
  - 15.4.5. Key Product/Services Offered
- 15.5. Suez
  - 15.5.1. Business Overview
  - 15.5.2. Key Revenue and Financials
  - 15.5.3. Recent Developments
  - 15.5.4. Key Personnel
  - 15.5.5. Key Product/Services Offered
- 15.6. China Everbright International
  - 15.6.1. Business Overview
  - 15.6.2. Key Revenue and Financials
  - 15.6.3. Recent Developments
  - 15.6.4. Key Personnel
  - 15.6.5. Key Product/Services Offered
- 15.7. Ramboll
  - 15.7.1. Business Overview
  - 15.7.2. Key Revenue and Financials
  - 15.7.3. Recent Developments



15.7.4. Key Personnel

15.7.5. Key Product/Services Offered

15.8. Stedin

15.8.1. Business Overview

15.8.2. Key Revenue and Financials

15.8.3. Recent Developments

15.8.4. Key Personnel

15.8.5. Key Product/Services Offered

15.9. Keppel Seghers

15.9.1. Business Overview

15.9.2. Key Revenue and Financials

15.9.3. Recent Developments

15.9.4. Key Personnel

15.9.5. Key Product/Services Offered

15.10. Mitsui

15.10.1. Business Overview

15.10.2. Key Revenue and Financials

15.10.3. Recent Developments

15.10.4. Key Personnel

15.10.5. Key Product/Services Offered

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Waste-to-Energy Plants Market – Global Industry Size, Share, Trends, Opportunity, and Forecast.Segmented By Technology (Thermochemical, Biochemical), By Waste Type (Municipal Solid Waste, Process Waste, Agricultural Waste, Others), By Application (Electricity, Heat), By Region, By Company and By Geography, Forecast & Opportunities, 2018-2028

Product link: <https://marketpublishers.com/r/WDD16DD1CCB8EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/WDD16DD1CCB8EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970