

# **Construction and Demolition Waste Management Market Report by Business Sector (Construction, Renovation, Demolition), Service Type (Collection, Recycling, Landfill, Incineration), Waste Type (Inert, Wood, Cardboard, Plastic, Glass, Metal, and Others), and Region 2024-2032**

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## **Abstracts**

The global construction and demolition waste management market size reached US\$ 235.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 344.8 Billion by 2032, exhibiting a growth rate (CAGR) of 4.2% during 2024-2032. The escalating demand for sustainable construction practices, rapid urbanization leading to increased construction activity, and the growing environmental awareness among the masses represent some of the key factors driving the market.

The Escalating Demand For Sustainable Construction Due To The Rising Cost Of Construction Materials And Labor is Augmenting the Market Growth

Construction and demolition waste management solutions are becoming more viable as environmentally conscious builders become more aware of the need to reduce their impact on the environment, which is driving the demand for sustainable construction practices. This is supported by the increasing cost of construction materials and labor across the globe. Moreover, in order to reduce waste and maximize material usage in the construction process, there has a growing demand for construction and demolition waste management services as a way to reduce waste.

Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation

quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. The market structure is fragmented with a number of small and large regional and global players operating in the industry. The volume of new entrants is moderate in the construction and demolition waste management industry due to the capital-intensive nature of the sector which makes the competition tougher for new entrants. However, low product differentiation and switching costs make the entry barrier low for the new entrants.

### What is Construction and Demolition Waste Management?

Construction and demolition (C&D) waste management encompasses the comprehensive process of monitoring, collecting, transporting, recycling, and disposing of waste generated during construction, renovation, or demolition of buildings or infrastructure. Demolishing existing structures can generate several kinds of waste materials, including metals, wood, bricks, plastics, concrete, and sanitary ware. C&D is essential in minimizing waste materials scattering around, disposing or reusing these waste materials to curb their negative impact on the environment and reduce the consumption of virgin resources. Unlike residential waste, construction and demolition waste materials are heavy, inert, and non-biodegradable, requiring commercial facilities to sort, treat, and filter these materials before reusing or decomposing them. With increasing awareness of environmental degradation, C&D waste management has become an essential process globally to protect the environment and promote sustainability, minimize waste generation and promote a circular economy.

### COVID-19 Impact:

The COVID-19 pandemic had an adverse impact on the industry, leading to the imposing of nationwide lockdowns, prompting waste management companies to scale down processing capacities to prioritize employee safety through social distancing and other safety measures. As a result, supply chains faced constraints due to movement restrictions and the demand for these services came to a sharp decline. However, companies adjusted supply chain and processing planning to address these challenges during the second half of the pandemic. Short-term disruptions and labor shortages affected raw material prices and despite the negative impact of the pandemic, the construction and demolition waste management industry has regained momentum, and the market outlook is positive as of present.

### Construction and Demolition Waste Management Market Trends:

The market is primarily driven by considerable growth in the number of construction and infrastructure development projects across the globe. This can be attributed to the rising volume of waste materials and the growing incidences of improper waste disposal. In line with this, the increasing levels of GHG emissions, environmental degradation, and adverse health effects due to improper waste disposal and landfills are resulting in a higher uptake of C&D management services. Stringent government regulations to control illegal disposal, reuse waste materials as well as promoting awareness about the harmful impact of growing waste volume are also bolstering the market. The market is further fueled by the advent of green buildings incorporating efficient waste management systems with resource-efficient and environmentally responsible processes throughout the building's lifecycle. Furthermore, the emerging trend of the use of recycled materials in construction is propelling the demand for management solutions for effective sorting and recycling of construction and demolition waste, thereby creating a positive market outlook. Some of the other factors contributing to the market include rapid urbanization, continual innovations of construction materials, inflating disposable income levels and extensive research and development (R&D) activities.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global construction and demolition waste management market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on business sector, service type and waste type.

#### Business Sector Insights:

Construction

Renovation

Demolition

A detailed breakup and analysis of the construction and demolition waste management market based on the business sector has also been provided in the report. This includes construction, renovation and demolition. According to the report, demolition accounted for the largest market share on account of the rising construction and demolition of old infrastructures, such as bridges and old buildings to build new and advanced infrastructures. The segment growth is also fueled by proactive government efforts to reduce illegal dumping, along with additional benefits like tax savings and reduced energy consumption.

### Service Type Insights:

- Collection
- Recycling
- Landfill
- Incineration

The report has provided a detailed breakup and analysis of the construction and demolition waste management market based on the service type. This includes collection, recycling, landfill, and incineration. According to the report, collection represented the largest segment due to the implementation of strict government policies for effective collection and disposal of C&D waste.

### Waste Type Insights:

- Inert
- Wood
- Cardboard
- Plastic
- Glass
- Metal
- Others

A detailed breakup and analysis of the construction and demolition waste management market based on the waste type has also been provided in the report. This includes inert, wood, cardboard, plastic, glass, metal, and others. According to the report, inert represented the largest segment as it does not produce odour or pollution in the environment. Since these wastes are reused or recycled, they are environment-friendly in nature. The lower disposable fee as compared to other waste materials is also driving the segment's growth.

### Regional Insights:

- Asia Pacific
- Europe
- North America
- Middle East and Africa
- Latin America

The report has also provided a comprehensive analysis of all the major regional markets, which include Asia Pacific, Europe, North America, Middle East and Africa, and South America. According to the report, Asia Pacific was the largest market for construction and demolition waste management. Some of the factors driving the Asia Pacific construction and demolition waste management market included the presence of several key players, rapid urbanization, shifting preference towards the use of recycled construction materials, and strict government regulations regarding illegal waste disposal and landfills.

#### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global construction and demolition waste management market. Some of the companies covered in the report include:

Remondis  
Republic Service  
Clean Harbors  
Daiseki  
Gamma Waste systems  
Veolia Environmental  
Waste Management Inc  
Renewi PLC  
FCC  
Casella Waste Systems

Please note that this only represents a partial list of companies, and the complete list has been provided in the report.

#### Key Questions Answered in This Report

1. What was the size of the global construction and demolition waste management market in 2023?
2. What is the expected growth rate of the global construction and demolition waste management market during 2024-2032?
3. What are the key factors driving the global construction and demolition waste management market?
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