

Global Waste Management - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 160 pages | Mordor Intelligence

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Report description:

The Global Waste Management Market size is estimated at USD 523.53 billion in 2025, and is expected to reach USD 653.98 billion by 2030, at a CAGR of greater than 4.55% during the forecast period (2025-2030).

Several key factors have led to the growth of the waste management market. First, the volume of waste produced has increased, and an effective waste management system is needed to cope with growing urbanization and population growth. The increased production of solid waste is due to the increase in consumption patterns and urban lifestyles, which makes it necessary to find innovative solutions for its efficient management.

Second, there has been an increased demand for good waste management practices due to growing awareness about the need to protect the environment and sustainability. Consumers, industry, and governments recognize the importance of reducing waste and adopting recycling and circular economy approaches to reduce their environmental footprint.

Over 2 billion tonnes of municipal solid waste are produced worldwide every year, and this figure is projected to grow by approximately 70 % until 2050. Over 10,000 tonnes of waste per day were transported to the world's most giant landfills in 2022. In addition, especially in emerging countries, waste is frequently dumped at dangerous closed landfills. There is still much room for improvement and development, given that recycling rates vary widely from country to country.

Furthermore, the development of chemical, oil & gas, automotive, and medical sectors that produce vast amounts of waste and cause pollution is due to increased industrial production in developing countries like India, China or Taiwan.

Global Waste Management Market Trends

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E-waste segment holds the largest share

Development, introduction, growth, maturation, and disposal or recycling are all parts of the everyday life cycle of an electronic product. When an electronic product reaches the recycling stage, it may be because of the end of its useful life, technological advancements, or shifting market demands. New electronic devices and improved models of already-existing products, such as laptops, mobile phones, and televisions, are produced as a result of the rapid improvements in technology.

Iron, copper, tin, and aluminum are the primary metals in e-waste, accounting for more than 90 % of its weight. But the metals with the highest value are palladium, over an estimated USD 1.5 billion in e-waste produced annually in Minnesota; platinum, over an estimated USD 1 billion; copper, and tin, over an estimated USD 100 million each.

When measured per capita, Europeans (16.2 Kg) produce the most e-waste per person, followed by Oceania (16.1 Kg) and the Americas (13.3 Kg). African residents have the least amount of e-waste per capita.

India is now the world's third largest electronic waste producer after the US and China, with steadily increasing volume growth. In India, computer equipment represents nearly 70% of e-waste, followed by cell phones at 12%, electric appliances at 8%, and healthcare devices at 7%.

Globally, less than 1 % of waste is recycled, although this varies from region to region. It is known that only 17.4% of total global e-waste is collected and properly recycled. The rate of collection and recycling in Europe is by far the highest in the world at 42.5%. In second place, Asia had a rate of 11.7%. At just 0.9%, Africa is the lowest in the world.

Due to the increasing adoption of Advanced Electronic and Electrical Devices, which drive demand for replacing obsolete devices with new ones, North America and Asia accounted for approximately 24.9 million tonnes of e-waste.

Asia Pacific Emerged as the Most Significant Global Waste Management Market

Awareness about waste management is projected to increase due to government initiatives like the Swacch Bharat Abhiyan and the zero waste plans adopted by various Asia Pacific nations. This will have a favorable effect on expanding the market in the Asia Pacific.

China accounted for 32 percent of global plastic materials production in 2022, making it the world's largest producer. Other Asian countries were also significant plastic manufacturers, with Japan's production amounting to 3% of the global plastic production and the rest of Asia producing 17% of the world's plastic.

Rapid industrialization in major emerging economies in the region and stringent government regulations towards environmental protection are expected to boost the growth of the Asia-Pacific waste management market. The amended Waste Disposal and Cleaning Law of Japan requires company owners to record the location and other waste data when such items are stored outside of the business sites that generate them. The amendment also holds the original building contractors accountable for proper waste disposal.

In 2022, for example, the United Nations Environment Assembly endorsed a resolution to end plastic pollution and agreed to implement an international, legally binding agreement by the end of 2024. The Ellen MacArthur Foundation's Global Commitment has signatories accounting for more than 20% of the plastic packaging market, including companies such as The Coca-Cola Company and PepsiCo, who have set ambitious 2025 targets to reduce plastic waste and progress the move to a circular economy.

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China announced its five-year action plan for reducing plastic pollution in 2021, including bans on non-degradable plastic bags in supermarkets and shopping malls, major cities, and food delivery services. Japan enacted its Plastic Resource Circulation Act in 2022, following the founding of the Japan Partnership for Circular Economy (J4CE) the year before "for the purpose of strengthening public and private partnerships, with the aim of further fostering understanding of the circular economy among a wide range of stakeholders."

Waste Management Industry Overview

The global waste management market is highly competitive, with many players focused on innovative technologies to recycle and reuse the waste generated across various industries and households across the globe. There are also several startups coming up in the industry that are continuously focusing on waste reduction following the Zero Waste - 3R (Reduce, Reuse, and Recycle) philosophy.

Additional Benefits:

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

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET INSIGHTS and DYNAMICS

- 4.1 Market Overview
- 4.2 Insights into Technological Advancements and Innovation in Effective Waste Management
- 4.3 Value Chain/Supply Chain Analysis
- 4.4 Insights on Strategies of Rising Startups Venturing into the Global Waste Management Industry
- 4.5 Spotlight on Market Trends
- 4.6 Impact of COVID-19 on the Market

5 MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Growth in urban population
 - 5.1.2 Increase in amount of waste generation
- 5.2 Market Restraints
 - 5.2.1 Lack of awareness in developing countries
- 5.3 Market Opportunities
 - 5.3.1 High growth potential in emerging economies
- 5.4 Porter's Five Forces Analysis
 - 5.4.1 Threat of New Entrants
 - 5.4.2 Bargaining Power of Buyers/Consumers

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- 5.4.3 Bargaining Power of Suppliers
- 5.4.4 Threat of Substitute Products
- 5.4.5 Intensity of Competitive Rivalry

6 MARKET SEGMENTATION

- 6.1 By Waste type
 - 6.1.1 Industrial waste
 - 6.1.2 Municipal solid waste
 - 6.1.3 E-waste
 - 6.1.4 Plastic waste
 - 6.1.5 Biomedical and Other Waste Types
- 6.2 By Disposal methods
 - 6.2.1 Landfill
 - 6.2.2 Incineration
 - 6.2.3 Recycling
- 6.3 Geography
 - 6.3.1 North America
 - 6.3.1.1 United States
 - 6.3.1.2 Canada
 - 6.3.1.3 Mexico
 - 6.3.2 Europe
 - 6.3.2.1 United Kingdom
 - 6.3.2.2 Germany
 - 6.3.2.3 France
 - 6.3.2.4 Russia
 - 6.3.2.5 Rest of Europe
 - 6.3.3 Asia-Pacific
 - 6.3.3.1 China
 - 6.3.3.2 Japan
 - 6.3.3.3 India
 - 6.3.3.4 South Korea
 - 6.3.3.5 Rest of Asia-Pacific
 - 6.3.4 Middle East & Africa
 - 6.3.4.1 South Africa
 - 6.3.4.2 Saudi Arabia
 - 6.3.4.3 Qatar
 - 6.3.4.4 Rest of Middle East and Africa
 - 6.3.5 Latin America
 - 6.3.5.1 Brazil
 - 6.3.5.2 Argentina
 - 6.3.5.3 Rest of Latin America

7 COMPETITIVE LANDSCAPE

- 7.1 Overview (Market Concentration and Major Players)
- 7.2 Company Profiles
 - 7.2.1 Biffa Group
 - 7.2.2 Clean Harbors, Inc.

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- 7.2.3 Covanta Holding Corporation
- 7.2.4 Veolia Environment SA
- 7.2.5 Waste Connections
- 7.2.6 Remondis AG & Co. Kg
- 7.2.7 Suez Environment S.A.
- 7.2.8 Daiseki Co. Ltd
- 7.2.9 Waste Management Inc.
- 7.2.10 Republic Services
- 7.2.11 Averda*
- 7.3 Other Companies

8 MARKET OPPORTUNITIES AND FUTURE TRENDS

9 APPENDIX

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