

Smart Waste Management Market In 2029

The Business Research Company's Smart Waste Management Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

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[/EINPresswire.com/](https://EINPresswire.com/) -- [Smart Waste Management Market](#) to Surpass \$5

billion in 2029. In comparison, the Waste Management And Recovery Services market, which is considered as its parent market, is expected to be

approximately \$240 billion by 2029, with Smart Waste Management to represent around 2% of the parent market. Within the broader Services industry, which is expected to be \$23,934 billion by 2029, the Smart Waste Management market is estimated to account for nearly 0.02% of the total market value.



It will grow from \$2.58 billion in 2024 to \$2.94 billion in 2025 at a compound annual growth rate (CAGR) of 13.8%”

The Business Research Company

consumer demand for sustainability.

Which Will Be the Biggest Region in the Smart Waste Management Market in 2029

North America will be the largest region in the smart waste management market in 2029, valued at \$1,739 million. The market is expected to grow from \$911 million in 2024 at a compound annual growth rate (CAGR) of 14%. The rapid growth can be attributed to the increasing municipal budget allocations for waste management and growing

Which Will Be The Largest Country In The Global Smart Waste Management Market In 2029?

The USA will be the largest country in the smart waste management market in 2029, valued at \$1,596 million. The market is expected to grow from \$825 million in 2024 at a compound annual growth rate (CAGR) of 14%. The rapid growth can be attributed to increasing municipal budget allocations for waste management and growing consumer demand for sustainability.

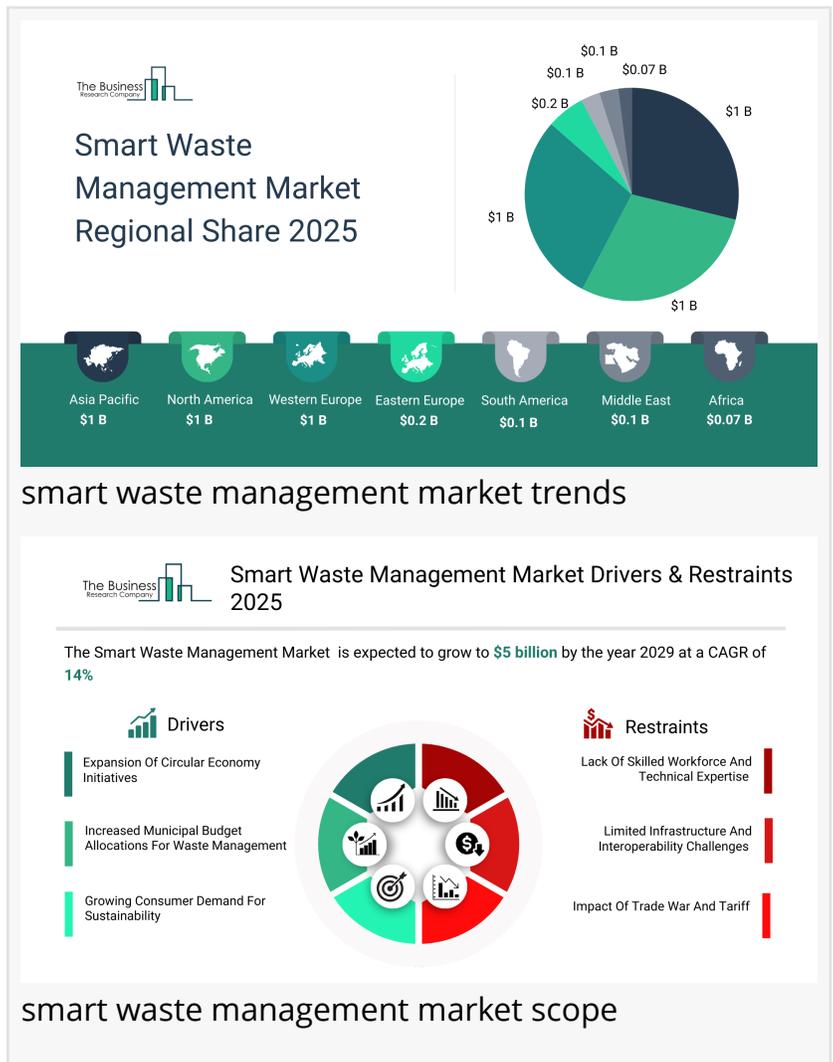
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What will be Largest Segment in the Smart Waste Management Market in 2029?

The [smart waste management market growth](#) is segmented by type into smart collection, smart processing, smart disposal and smart energy recovery.

The smart collection market will be the largest segment of the smart waste management market segmented by type, accounting for 48% or \$2,407 million of the total in 2029. The smart collection market will be supported by increasing deployment of smart bins equipped with sensors for real-time monitoring, adoption of GPS-enabled waste collection vehicles for route optimization, rising government initiatives for efficient municipal waste management, growing public awareness on sustainable waste practices, integration with mobile applications for citizen engagement and improvements in IoT-enabled tracking systems that enhance operational efficiency.



The smart waste management market is segmented by waste type into solid waste, special waste, electronic waste (E-Waste). The solid waste market will be the largest segment of the smart waste management market segmented by waste type, accounting for 60% or \$2,994 million of the total in 2029. The solid waste market will be supported by increasing urbanization and population growth, rising municipal budgets for solid waste management, growing adoption of integrated collection and processing solutions, focus on reducing landfill usage, government mandates for recycling and segregation and public awareness campaigns promoting proper solid waste handling.

The smart waste management market is segmented by application into residential and municipality, industrial, commercial, construction and demolition, energy and water supply and sewage treatment. The residential and municipality market will be the largest segment of the smart waste management market segmented by application, accounting for 48% or \$2,401 million of the total in 2029. The residential and municipality market will be supported by increasing urban population density, government-led smart city initiatives, adoption of IoT-enabled smart bins for efficient collection, public awareness campaigns on segregation and

recycling, demand for cleaner and safer neighborhoods and integration of waste data analytics for operational planning. The Residential and Municipality segment is the largest and fastest-growing. This aligns with global trends of city governments leading the charge in smart city projects to improve public services and reduce costs.

What is the expected CAGR for the Smart Waste Management Market leading up to 2029?
The expected CAGR for the smart waste management market leading up to 2029 is 14%.

What Will Be The Growth Driving Factors In The Global Smart Waste Management Market In The Forecast Period?

The rapid growth of the global smart waste management market leading up to 2029 will be driven by the following key factors that are expected to reshape urban sanitation, municipal operations, and environmental sustainability practices worldwide.

Expansion Of Circular Economy Initiatives- The expansion of circular economy initiatives will become a key driver of growth in the smart waste management market by 2029. The growing global emphasis on circular economy principles will drive investments in smart waste technologies that enable recycling, resource recovery and waste minimization. Governments and private sector organizations are collaborating to create closed-loop systems that prioritize waste reduction and material reuse. This shift will encourage the adoption of IoT (internet of things)-based waste tracking and digital sorting solutions to ensure better efficiency and accountability across the waste value chain. As a result, the expansion of circular economy initiatives is anticipated to contributing to a 2.3% annual growth in the market.

Increased Municipal Budget Allocations For Waste Management- The increased municipal budget allocations for waste management will emerge as a major factor driving the expansion of the smart waste management market by 2029. Rising municipal budgets for waste management will accelerate the integration of smart infrastructure such as IoT (Internet of Things) bins, data-driven monitoring platforms and automated waste collection vehicles. Increased funding will also support pilot projects that demonstrate efficiency improvements and operational transparency. This enhanced financial support will enable local governments to partner with technology providers for scalable, sustainable waste management systems. Consequently, the accelerating increased municipal budget allocations for waste management capabilities is projected to contributing to a 1.8% annual growth in the market.

Growing Consumer Demand For Sustainability- The growing consumer demand for sustainability processes will serve as a key growth catalyst for the smart waste management market by 2029. Increasing environmental awareness among consumers will drive municipalities and businesses to adopt smarter, data-backed waste solutions that promote transparency and sustainability. This will lead to higher adoption of technologies that track, report and optimize recycling and waste reduction efforts. As consumers continue to favor eco-conscious brands and services, organizations will invest in digital tools to demonstrate environmental responsibility. Therefore, this growing consumer demand for sustainability operations is projected to supporting to a 1.3%

annual growth in the market.

Expansion Of Commercial And Industrial Activities- The expansion of commercial and industrial activities will become a significant driver contributing to the growth of the smart waste management market by 2029. As industrial and commercial zones expand, waste volumes and complexity increase, driving demand for scalable, automated waste solutions (e.g., sensor-enabled segregation, predictive scheduling and on-site processing or energy recovery). Smart waste systems will help firms manage multiple waste streams compliantly and cost-effectively. These technologies are increasingly being used to optimize waste logistics and collection efficiency through AI-based scheduling and advanced transport management systems. Consequently, the expansion of commercial and industrial activities strategies is projected to contributing to a 0.8% annual growth in the market.

Access the detailed Smart Waste Management Market report here:

<https://www.thebusinessresearchcompany.com/report/smart-waste-management-global-market-report>

What Are The Key Growth Opportunities In The Smart Waste Management Market in 2029?

The most significant growth opportunities are anticipated in the smart waste management and collection market, the solid smart waste management market, and the residential and municipal smart waste management market. Collectively, these segments are projected to contribute over \$4 billion in market value by 2029, driven by rising adoption of IoT-enabled waste monitoring systems, sensor-based collection solutions, and data-driven route optimization. Increasing focus on recycling, resource recovery, and sustainable urban infrastructure is further accelerating demand across residential and municipal sectors. This surge reflects the growing deployment of intelligent waste management technologies that enable real-time tracking, operational efficiency, and environmental compliance, fueling transformative growth within the broader smart waste management industry.

The solid smart waste management market is projected to grow by \$1,475 million, the residential and municipal smart waste management market by \$1,325 million, and the smart waste management and collection market by \$1,215 million over the next five years from 2024 to 2029.

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