

# eWaste Management Market 2032: Trends, Opportunities, and Innovations Driving Sustainable Growth

*The e-waste management market is driven by shorter device lifespans, scarce precious metals, and government regulations promoting effective waste disposal.*

WILMINGTON, DE, UNITED STATES, February 8, 2025 /EINPresswire.com/ -- According to the report, the global e-waste management industry generated \$57.81 billion in 2022, and is anticipated to generate \$244.56 billion by 2032, witnessing a CAGR of 15.7% from 2022 to 2032.



E-waste management industry refers to the proper handling, recycling, and disposal of electronic waste, commonly known as e-waste. E-waste includes discarded electronic devices such as computers, laptops, smartphones, televisions, refrigerators, and other electronic gadgets. These devices contain hazardous materials like lead, mercury, cadmium, and various types of plastics, which can pose significant environmental and health risks if not managed and disposed of properly. The E-waste management industry aims to reduce environmental impact, conserve resources, minimize health risks, promote recycling, and create green jobs. In addition, e-waste management helps in recovery of valuable resources from electronic devices such as gold, silver and copper. Moreover, proper e-waste management prevents the release of hazardous material into the environment.

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Proper e-waste management prevents hazardous materials, such as lead, mercury, cadmium, and various chemicals, from contaminating soil, water, and air. By recycling and disposing of electronic waste responsibly, e-waste management reduces environmental pollution and minimizes the negative impact on ecosystems. Furthermore, e-waste contains valuable

materials, including precious metals, rare earth elements, and other resources. E-waste management involves recycling and recovering these materials, conserving natural resources and reducing the need for mining and manufacturing new raw materials. In addition, recycling electronic waste requires less energy than mining and refining raw materials.

By recycling e-waste, energy conservation is achieved, contributing to overall energy efficiency and reducing the carbon footprint associated with the extraction and processing of raw resources. Moreover, e-waste management creates employment opportunities in various sectors, including recycling facilities, collection centers, transportation, refurbishment, and research and development. It contributes to the growth of the green economy and provides jobs for skilled and unskilled workers. In addition, E-waste management supports the concept of a circular economy, where products and materials are reused, refurbished, and recycled. By integrating e-waste into a circular economy model, waste is minimized, and resources are kept in use for as long as possible, reducing the overall environmental impact.

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Major market players adopted various strategies to increase the competition and offer enhanced services to their customers. For instance, in October 2020, TES announced it will be investing in Green Li-ion, a start-up technology innovator based in Singapore focused on creating sustainable models for battery recycling. This investment is aimed at extending Green Li-ion's proprietary battery recycling technology to TES's suite of battery recycling solutions.

In addition, in December 2020, MG Motor India partnered with TES to recycle batteries of its electric vehicle ZS EV. The partnership ensures environmentally sustainable and secure recycling of ZS EV batteries. Furthermore, in July 2020, Sembcorp Industries through its wholly-owned subsidiary SembWaste acquired Veolia ES Singapore (VESS) and public cleaning business of Veolia ES Singapore Industrial. The acquisition is expected to enhance e-waste management capabilities of Sembcorp Industries. Therefore, such strategies foster [e-waste management market](#) share growth in the ICT sector.

Asia-Pacific dominated the e-waste management market in the year 2022. This is due to new product development, price reductions and increasing per capita income. The region is expected to dominate the market as it is growing at a CAGR of 17.8% from 2022 to 2032.

Reduction in life span of electronic devices and scarcity of sources of precious metals are driving the growth of the market. However, increase in recycling cost incurred due to inadequacy of infrastructure hampers the growth of the market. Furthermore, e-waste initiatives by electronic manufacturers across the globe are expected to provide major growth opportunities for the e-waste management market during forecast period.

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Based on application, the trashed segment held the largest market share of the e-waste management market in 2022. This is attributed to the e-waste being disposed of in the form of trash due to the absence of efficient recycling and recovery technology and the unlawful transfer of hazardous e-waste to developing countries. However, the recycled segment is expected to grow in the future at a CAGR of 17.8% from 2022 to 2032, as the popularity and demand for refurbished products are growing at an increasing rate.

By material, the metal segment held the largest market share of the e-waste management market in 2022. This is attributed to rise in demand for precious metals. However, the others segment is expected to grow in the future at a CAGR of 17.8% from 2022 to 2032, as valuable rubber, ceramics, wood, concrete and plywood can be extracted from raw material used in manufacturing electronic products.

Based on source type, the home appliances segment held the largest market share of the e-waste management market in 2022. This is attributed to increase in per capita income, technical advancements, and global population growth. However, the consumer electronics segment is expected to grow in the future at a CAGR of 17.8% from 2022 to 2032, as the production of consumer electronics is happening at a large scale.

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Leading Market Players: -

Eniro-Hub Holdings Ltd.

TES

Capital Environment Holdings Limited

Tetronics Technologies Limited

ERI

WM Intellectual Property Holdings, L.L.C.

Sembcorp Industries (Temasek Holdings)

Veolia

MRI Technologies

Umicore

The report provides a detailed analysis of these key players of the global e-waste management market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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