

Global E-Waste Disposal Market Size study, by Material (Metal, Plastic, Glass, Others), by Source (Household Appliances, IT and Telecommunication, Consumer Electronics, Others) and Regional Forecasts 2022-2032

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Abstracts

Global E-Waste Disposal Market is valued at approximately USD 64.11 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 13.71% over the forecast period 2024-2032. The e-waste disposal market refers to the sector focused on managing the collection, recycling, and disposal of electronic waste (e-waste), including devices such as computers, mobile phones, and appliances. This market responds to the pressing need for sustainable handling of discarded electronics, driven by environmental concerns and regulatory requirements. E-waste disposal companies provide a range of services, including e-waste collection, dismantling, refurbishment, and recycling. The market is fueled by factors such as the rapid proliferation of electronic devices, technological advancements leading to shorter product lifecycles, and the desire to recover valuable materials from e-waste streams. Sustainability is a key focus within the e-waste disposal market, with efforts directed towards minimizing environmental impact, conserving resources, and adhering to strict waste management regulations. In addition, the e-waste disposal market addresses social and economic aspects by creating employment opportunities, fostering innovation in e-waste recycling technologies, and promoting corporate responsibility initiatives aimed at reducing electronic waste generation and promoting circular economy principles.

The exponential rise in electronic device usage globally has resulted in a substantial surge in e-waste generation, necessitating efficient disposal solutions. With the rise in accessibility and affordability of electronic gadgets, including smartphones, computers, and household appliances, consumers globally are continually upgrading their devices,

contributing to the growing volume of e-waste. This trend is further fueled by rapid technological advancements, leading to shorter product lifecycles and rendering older devices obsolete. According to The International Telecommunication Union (ITU), e-waste is expected to reach 82 million tons by 2030. This increase in e-waste is expected to boost the growth rate of the e-waste disposal market during the forecast period. Technological advancements in recycling technologies have the potential to revolutionize the e-waste disposal market by enhancing the efficiency and effectiveness of recycling processes. For example, robotic sorting systems utilize advanced sensors and artificial intelligence algorithms to automatically identify and sort different types of electronic waste materials. These systems significantly streamline the recycling process by reducing manual labor requirements and improving sorting accuracy. Investing in R&D is essential to drive further advancements in e-waste recycling technologies. Companies and research institutions collaborate to explore novel recycling methods, optimize existing processes, and develop new technologies tailored to the unique challenges of e-waste recycling. The investment in advanced e-waste recycling technologies has led to the development of more efficient, cost-effective, and environmentally friendly recycling methods that handle the increasing volume and complexity of electronic waste.

The key regions considered for the Global E-Waste Disposal Market study include Asia Pacific, North America, Europe, Latin America, and the Middle East and Africa. The Asia-Pacific region dominated the e-waste disposal market in 2023 and is expected to grow at a significant CAGR during the forecast period 2024-2032. This leadership is attributed to the region's rising tech consumption and regulatory initiatives promoting responsible disposal. Investments in Asia-Pacific regarding sustainable waste management are also increasing, which is raising the awareness of proper disposal methods. For instance, in December 2023, IFU invested in Blue Planet Environmental Solutions, a major sustainable waste management company with operations in India, South-East Asia, and the UK worth \$35 million. IFU's investments are expected to boost Blue Planet's capabilities in key areas such as landfill reclamation and e-waste recycling. Furthermore, Various initiatives in developing countries help to boost the adoption and awareness of proper e-waste disposal with increased reuse and recycling rates, and the adoption of sustainable consumer habits. Examples of such initiatives include Extended Producer Responsibility, Design for Environment, and (3Rs) Reduce, Reuse, Recycle technology. These initiatives are expected to boost the e-waste disposal industry growth in the near future owing to the rising awareness and importance of proper disposal.

Major market player included in this report are:

Desco Electronic Recyclers

Aurubis AG

Boliden Group

MBA Polymers Inc.

ERI

Sims Limited

Umicore

Stena Metall AB

Tetronics Environmental Technology Company

MRI Technologies

Blue Planet Environmental Solutions

Sembcorp Industries

Veolia ES Singapore (VESS)

The International Telecommunication Union (ITU)

International Finance Corporation (IFC)

The detailed segments and sub-segment of the market are explained below:

By Material:

Metal

Plastic

Glass

Others

By Source:

Household Appliances

IT and Telecommunication

Consumer Electronics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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