

Global E-Waste Recycling Market Size Study, by Material (Metals and Chemicals, Plastics, Glass, Others), by Source (Household Appliances, Entertainment & Consumer Electronics, IT & Telecommunication, Medical Equipment, Others), and Regional Forecasts 2022-2032

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Abstracts

Global E-Waste Recycling (Electronic Waste Recycling) Market was valued at USD 30.4 billion in 2023 and is projected to grow at a compound annual growth rate (CAGR) of 13.40 during forecast period 2024-2032. E-waste recycling (Electronic Waste Recycling) has gained significant importance as a crucial practice for the sustainable management of discarded electronic devices and components. The escalating volumes of obsolete electronics, fueled by rapid technological advancements and shorter product lifecycles, have resulted in a global surge in e-waste, which includes items such as computers, mobile phones, televisions, and household appliances. These trends have catalyzed the need for comprehensive recycling solutions that can not only recover valuable materials, such as metals and plastics, but also minimize the environmental risks associated with hazardous substances such as lead, mercury, and cadmium.

The burgeoning global consumption of electronic devices has established e-waste as one of the fastest-growing waste streams, presenting both challenges and opportunities for the market. Governments worldwide have introduced stringent regulations that mandate responsible disposal practices, and growing consumer awareness of environmental sustainability further augments the market demand for efficient e-waste recycling. Nevertheless, the industry faces significant challenges in the form of high initial investments and the lack of advanced recycling infrastructure, particularly in emerging economies. On the flip side, promising opportunities are emerging with the

advancement of innovative recycling technologies, enhanced collaborations between manufacturers and recyclers, and the growing emphasis on circular economy initiatives.

Geographically, North America leads the e-waste recycling market, largely due to its well-developed infrastructure and strict regulatory framework concerning environmental protection. Europe follows suit, driven by stringent disposal laws and a heightened awareness of sustainable practices. Meanwhile, the Asia-Pacific region is projected to exhibit the fastest growth over the forecast period, propelled by rapid urbanization, industrialization, and a growing reliance on electronic devices. Government initiatives in countries such as China and India are focusing on improving e-waste management systems, making the region an attractive area for future market expansion.

Major players operating in this market include

Umicore SA
Quantum Lifecycle Partners (Geep Inc.)
Enviro-Hub Holdings Ltd
Stena Technoworld AB
Tetronics International Limited
Electronics Recyclers International Inc.
Sims Limited
Aurubis AG
Boliden AB
Attero Recycling Pvt. Ltd
Great Lakes Electronics Corporation
E-Parisaraa Private Limited
Greentec
Cleanaway
Veolia Environment SA

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

By Material:

- Metals and Chemicals
- Plastics
- Glass
- Others

By Source:

- Household Appliances
- Entertainment & Consumer Electronics

- IT & Telecommunication
- Medical Equipment
- Others

By Region:

North America

- o U.S.
- o Canada

Europe

- o UK
- o Germany
- o France
- o Spain
- o Italy
- o Rest of Europe

Asia Pacific

- o China
- o India
- o Japan
- o Australia
- o South Korea
- o Rest of Asia Pacific

Latin America

- o Brazil
- o Mexico
- o Rest of Latin America

Middle East & Africa

- o Saudi Arabia
- o South Africa
- o Rest of Middle East & Africa

Years considered for the study:

- 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 the 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 approaches.
- Demand-side and supply-side analysis of the market

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