

Global Precious Metals E-Waste Recovery Market Size Study, by Source (Household Appliances, IT & Telecommunication, Consumer Electronics), by Metal (Copper, Gold, Silver), and Regional Forecasts 2022-2032

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Abstracts

The global Precious Metals E-Waste Recovery market, valued at approximately USD 16.13 billion in 2023, is projected to grow at a compound annual growth rate (CAGR) of 4.60% over the forecast period 2024-2032. The increasing dependence on electronics has triggered an exponential rise in electronic waste, a resource-intensive category filled with precious metals like gold, silver, and copper. These metals are not only critical to the functionality of devices but also have immense economic and environmental value. The recovery of precious metals from e-waste has emerged as a sustainable solution to meet rising metal demand while reducing the environmental impact of mining.

The surge in technological advancements and rapid obsolescence of electronic devices have escalated e-waste generation, creating a lucrative opportunity for precious metal recovery processes. The adoption of eco-friendly recovery technologies is further reshaping this market, aligning with global sustainability goals. However, challenges such as inconsistent e-waste collection infrastructure and the high initial costs of recycling technologies may impede market growth. Despite these hurdles, the increasing awareness and government regulations surrounding e-waste recycling are expected to propel the market forward.

Regional dynamics play a pivotal role in shaping the market's growth trajectory. North America leads the market due to stringent recycling policies and technological advancements in e-waste processing. Europe follows closely, driven by robust

legislation and a strong emphasis on the circular economy. The Asia Pacific region is projected to exhibit the highest growth, fueled by the region's vast consumer electronics industry and growing investments in recycling infrastructure. Countries like India and China are spearheading regional advancements through public-private partnerships and innovative recycling technologies.

Major market players included in this report are:

Umicore

Sims Lifecycle Services

Boliden Group

Tetronics International Limited

EnviroLeach Technologies Inc.

Aurubis AG

Dowa Holdings Co., Ltd.

JX Nippon Mining & Metals Corporation

Stena Metall AB

MBA Polymers Inc.

Global Electric Electronic Processing (GEEP)

Electronic Recyclers International, Inc.

ECS Refining

Wistron Corporation

Metech Recycling

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

By Source

Household Appliances

IT & Telecommunication

Consumer Electronics

By Metal

Copper

Gold

Silver

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Global Precious Metals E-Waste Recovery Market Size Study, by Source (Household Appliances, IT & Telecommunica...

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Comprehensive market estimates and forecasts for 10 years (2022-2032).

Annualized revenue insights and regional-level analysis for market segments.

Detailed geographical breakdown and analysis of major regions.

Competitive landscape profiling with strategic initiatives of market players.

Strategic recommendations for capitalizing on emerging opportunities.

Insights into market drivers, challenges, and growth opportunities.

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