

Recycling Lithium-Ion Battery

Rechargeable Battery/
Electronic Vehicle(EV)/
Energy Storage
System(ESS)/ Laptop,
Smartphone/ Transmission
device

Import and warehousing activities of waste batteries abide by the country law and the Basel Convention.

Aim High Korea has been certified under the R2 standard as a recycling company.

We try to transport our products safely, without harming the environment.

Selection
Discharge of Electricity
Mechanical Separation

Trained staff safely carry out selection and discharge process.

When the batteries are mechanically shredded and separated, cathode active materials are collected.

At the work site, we prioritize the safety of our staff and the improvement of the work environment.

Hydrometallurgy
(Wet Smelting Process)

Through the hydrometallurgy process, Co, Ni, Mn, and Li are collected separately from the cathode active materials.

High purity metal, the main material of the waste battery, is also collected.

Cobalt Sulfate, Nickel Sulfate, Lithium Phosphate, Manganese Sulfate, Nickel, Cobalt

The separated metal gets manufactured into a variety of different materials.

These materials can be reused as the base material for the rechargeable batteries.