Why Is Lithium Ion Battery Recycling Important?

People use lithium ion batteries all the time. And don't worry about where these batteries go. Rechargeable battery technology is used today in everything from phones and laptops to power tools and electric vehicles, wireless headphones and even household appliances. The greatest problem is disposing of batteries in landfills or waste disposal sites. These are serious safety and environmental issues.

That's one reason **lithium ion battery recycling** has grown to be a much larger concern in the last few years. So, most communities are still working with the scope of this challenge.

LITHIUM ION BATTERIES CONTAIN VALUABLE MATERIALS

Used batteries are not simply trash once they stop holding a charge.
Recovering Critical Metals
Lithium ion batteries contain materials like:

- lithium
- cobalt
- nickel
- copper
- aluminum

Most of these resources have to be mined to get at first; a process that requires a good amount of energy. Recycling can recover materials that are useful and may be re-introduced back into manufacturing supply chains, rather than lost forever. This is more critical as demand for battery production continues to grow.

REDUCING DEPENDENCE ON RAW MINING

The mining industry itself has the potential to have its own impact on the environment. With such factors as water usage, disruption of habitats, and emissions associated with the extraction and transportation of minerals.

Recycling batteries lowers the pressure on raw material sourcing. By taking back components that are already moving through the economy.

It doesn't take away the entire mining issue. But it does take away some of the mining long term dependence.

RECYCLING HELPS REDUCE ELECTRONIC WASTE

Battery waste is closely connected to the larger ewaste recycling problem.

Growing Electronic Device Consumption

Consumers have even replaced electronics more often than years past. Electronic waste is increasing with the use of phones, tablets, laptops, speakers and wearable devices. Many of the products include rechargeable lithium ion batteries inside.

Keeping Batteries Out of General Waste Streams

Battery recycling programs are useful in that they allow hazardous battery components to be removed from the general household waste stream. Where they can pose contamination or safety problems. That that separation is more significant than people think.

Related Electronics Recycling Efforts

These ewaste recycling facilities will handle many different electronic materials instead of just batteries, such as computer hardware, cables, televisions, or even stereo recycling programs of older audio devices. Many electronic recycling facilities share facilities and processes. Many electronic recycling facilities share facilities and processes.

RECYCLING SUPPORTS ENVIRONMENTAL SUSTAINABILITY

Environmental concerns are a major driver behind battery recycling expansion.

Lowering Resource Waste

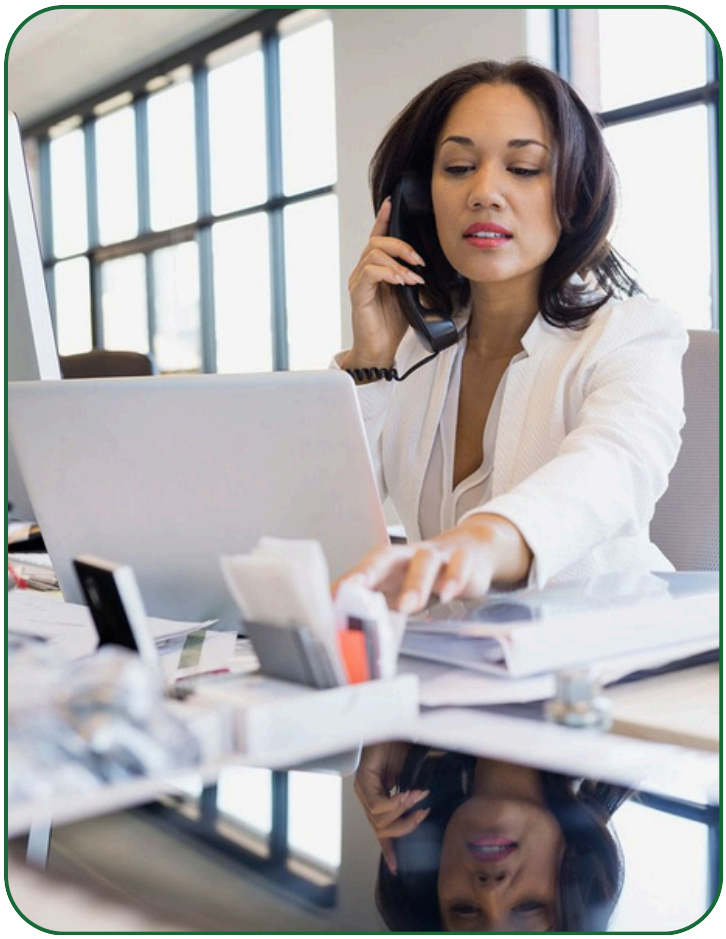
Single-use rechargeable batteries are a massive waste of resources and energy. Since the materials that make up the batteries can be reused. Instead of using these materials as a single-use, recycling extends their useful life.

Reducing Emissions Over Time

Generally, the energy required for manufacturing batteries using entirely new material is higher than the energy required for those that are partially recycled. Long term improvements in recycling may reduce some emissions from manufacturing activities over time.

Thank you!

ERI has strategically established an international network in 46 countries, totaling over 100 vetted and certified facilities, to provide global coverage for our clients. ERI believes education is critical in teaching individuals and organizations about the circular economy, sustainability, and hardware cybersecurity.



Do You Need More Help?

Schedule a Call

8003743473 info@erridirect https://eridirect.com