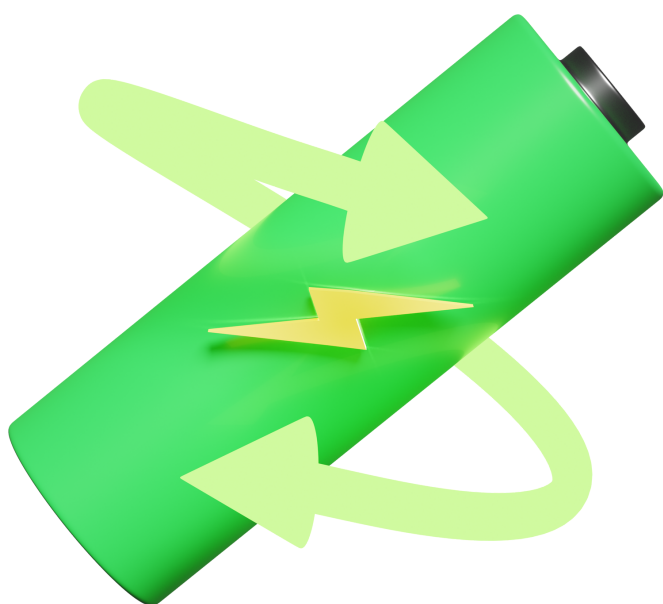


Battery Sustainability: Circular Economy



A circular economy for batteries would extend the useable life extracted materials, reduce waste, and decrease our impact on the environment. Additionally, if done properly, promoting a circular economy could decrease battery manufacturing costs and help establish new markets.

Enhancing traceability and standardizing design are key to building a circular economy by facilitating:

- The certification and testing of battery components and materials prior to reusing, refurbishing, and recycling,
- The disassembly of the battery for repurposing or recycling, and
- The certainty required to incentivize investment for specialized refurbishment and recycling facilities.

Battery Passport programs are efforts to enhance traceability and transparency for batteries by harmonizing reporting data and eventually providing a certification mark of trust for consumers.

The Global Battery Alliance recently (2023) announced a joint effort with automotive manufacturers to prototype a Battery Passport that would provide information from value-chain partners detailing technical specifications, the source of materials, as well as partial reporting of the battery's carbon footprint and human rights-related information.

