

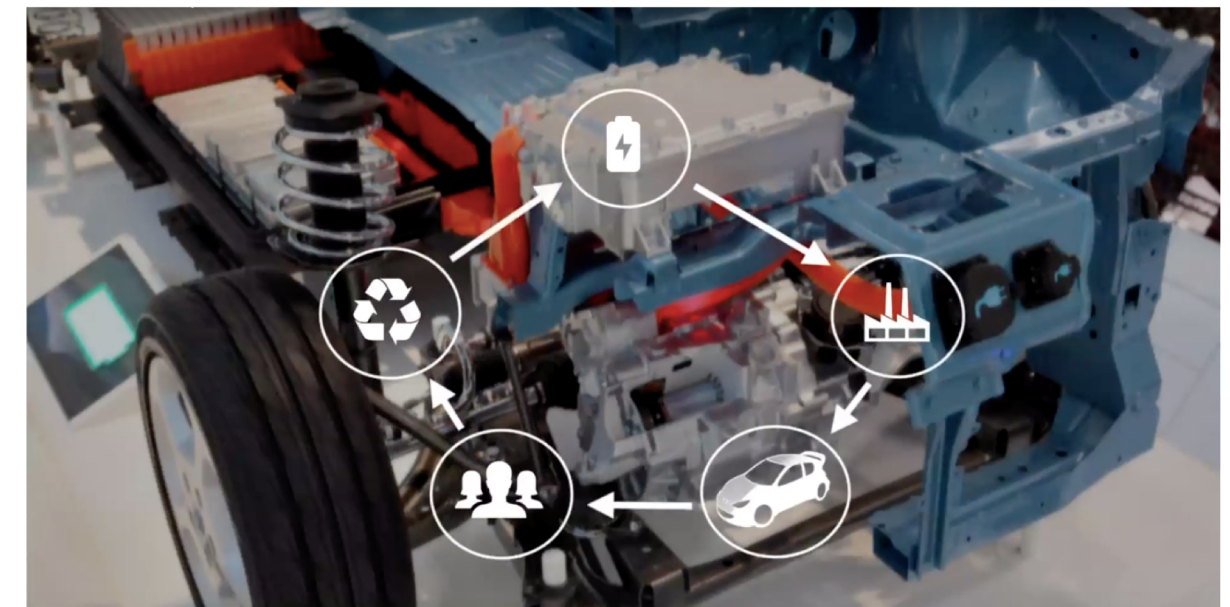
LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

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Submission Title:	A Circular Economy for Electric Vehicle Batteries
Submission Track:	5

A Public Document



Concept

- Team EVBs proposes a demonstration whereby electric vehicle batteries are given a digital identity to connect all stakeholders in the lifecycle of the battery for optimal management and assured responsible recovery at end of life.

Approach

- By engaging key stakeholders to share critical data and employing the right combination of technologies, EVBs and components can be tracked from manufacturing throughout their lifecycles and ultimately to responsible recovery of metals, minerals and other materials for use in new batteries.

Potential Impact

- Recycling of greater than 90% of electric vehicle batteries placed on the market.