

LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

Team Name: Green Power Battery

A Public Document

Primary Submitter: Ricardo Kreyhsig

City and State: Silver Spring - Maryland

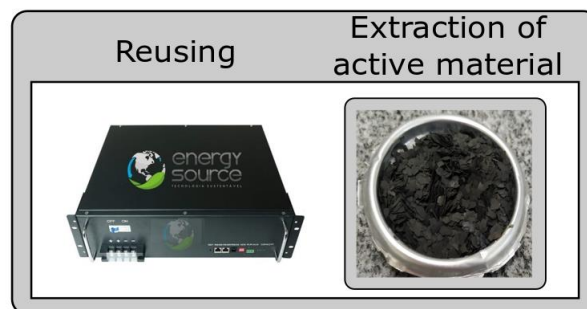
Member Names: Bruna Dias Pires de Souza, David Romão Noronha, Ivan Aritz Aldaya Garde, José Augusto de Oliveira, Jozué Vieira Filho, Letícia Barbosa Fidanza, Marcelo Luis Francisco Abbade, Mirian Paula dos Santos and Peter Matthiesen

Submission Title: Lithium Ion Battery Refurbish and Recycling Technology

Submission Track: Separating & Sorting

Abstract: (<100 Word)

This project proposes to close the life cycle of LIBs by refurbishing and recycling with 99% recovery. The refurbishing is done using our exclusive green technology and can be applied to all models found in the US, utilizing the LIBs disposed from electric vehicles, electronics and other applications. LIBs that cannot be reused will be recycled through non-destructive, industrially scalable and low-cost technology, where the goal is to recover most parts of the cathode materials. In our tests we were able to separate the anodic and the cathodic materials from their respective metal foils in a few minutes.



Lithium-Ion Battery Recycling Prize

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