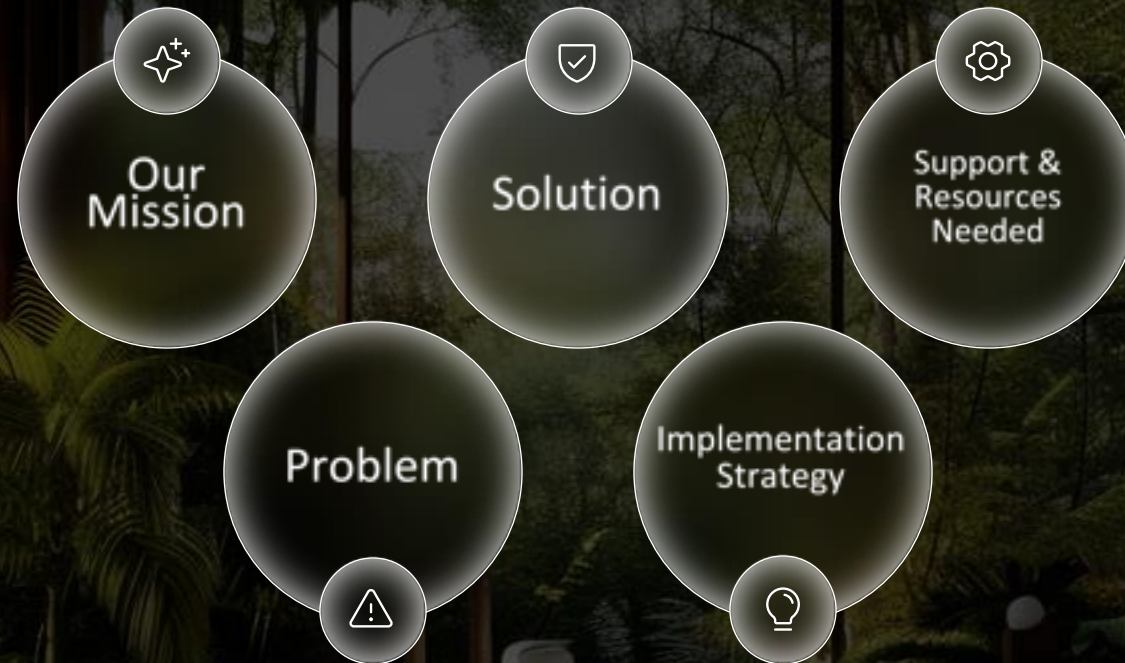


Reusing HEV/EV Batteries



Table of Contents



Our Mission



Mongolia as a hub for HEV/EV battery reuse and recycling in Asia.

Problem



Mongolia imports mainly second-hand EV/HEVs from Japan.

95%

Imported vehicles from
Japan

75%

HEV/EV cars that of
90%

≤10Y

Aged batteries in hybrid
cars



These vehicles come with aged batteries that have significant environmental risks.

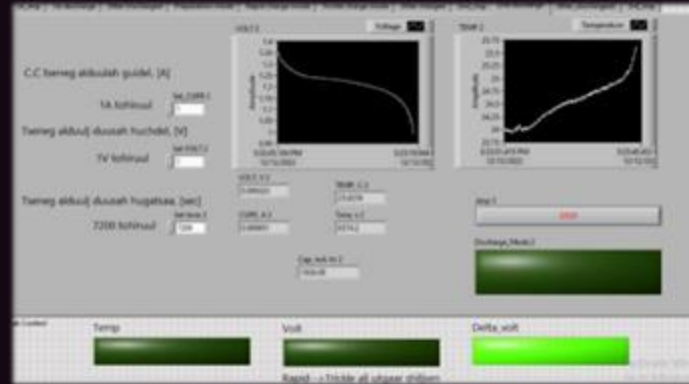


Solution



Battery Testing & Balancing System

Technology Developed:
Online HEV Battery Testing System.
Battery Evaluation System.



Reduce

Reuse

Benefit 1

Measures battery cell capacities and internal resistance.

Benefit 2

Identifies and isolates degraded cells, optimizing overall battery performance.

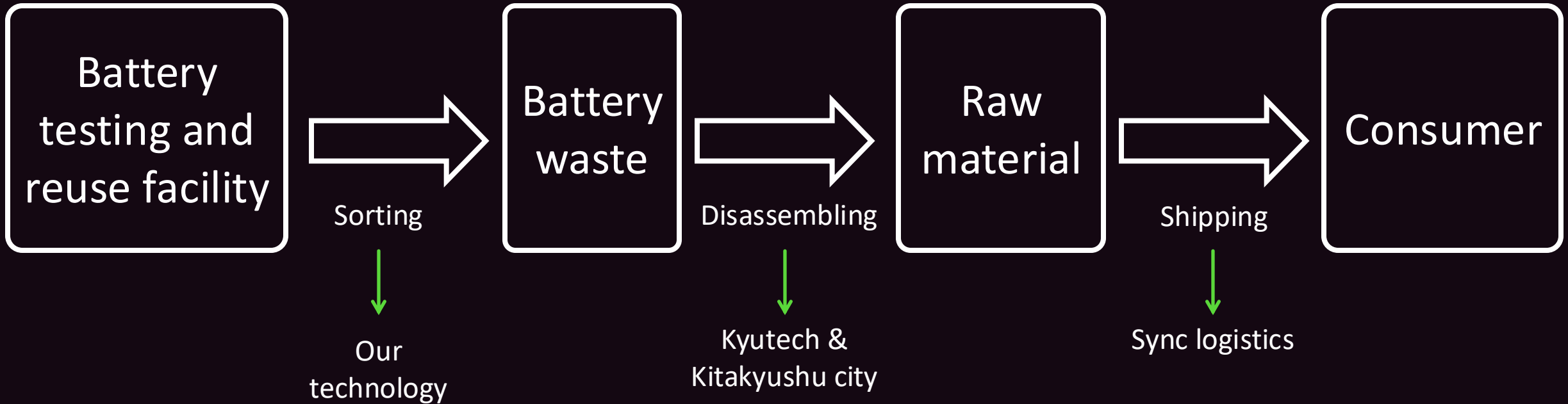
Benefit 3

Extends the lifecycle of batteries, minimizing waste.

Implementation Strategy



Strategy:





Collaboration:

Kitakyushu Asia Center for Carbon Neutrality:
Sharing policy and technology.

Ulaanbaatar City Hall:
Local policy implementation.

Sync logistics:
Storage, customs clearance, and international transport

Kyutech:
Technology and human resource





Short-term Goals:

Establish a facility for battery testing and reuse.

Train human resources in battery recycling technology.





Long-term Goals:

Develop recycling policies and infrastructure.

Collaborate with Kitakyushu Eco-Town for sustainable waste management.



Support &
Resources
Needed



Equipment:

Battery testing and sorting machine manufacturing.

Mentorship:

Business planning, market analysis, and policy frameworks.

Policy Development:

Support from environmental authorities and experts.

Investment:

Facility establishment for battery testing and reuse.

