

# Reusing HEV/EV

## Batteries



by:  
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## Our Mission

To become 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%

$10 \leq Y$

Aged batteries in  
hybrid cars

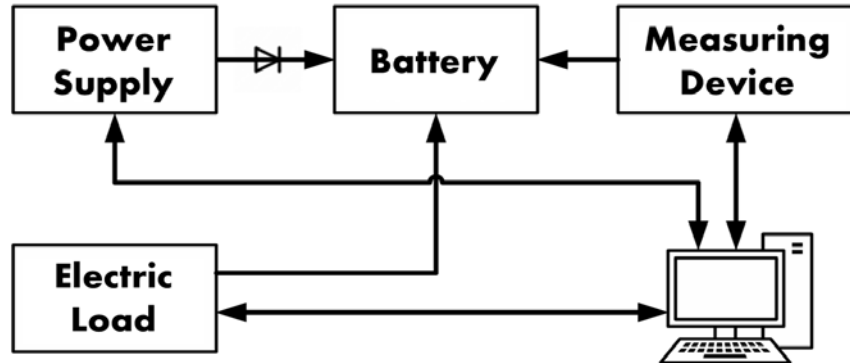
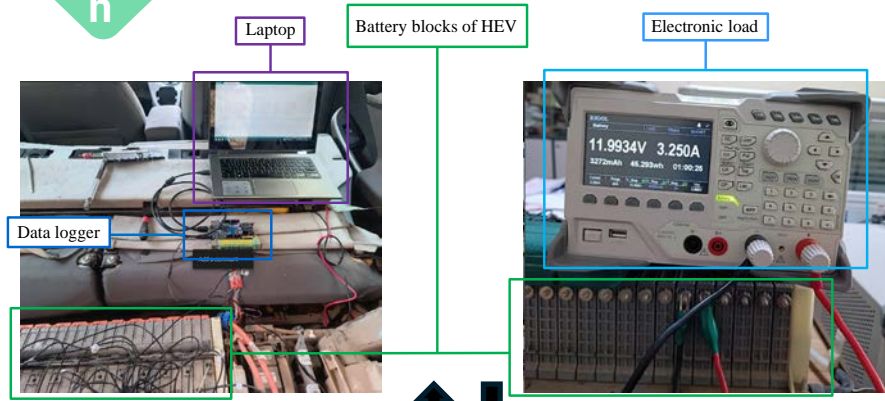


These vehicles come with aged batteries that have significant environmental risks .



Solution

# Battery Testing & Balancing System



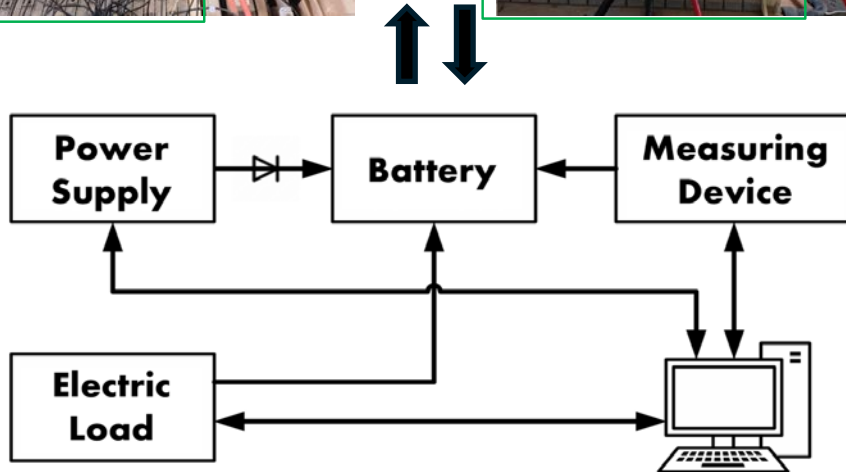
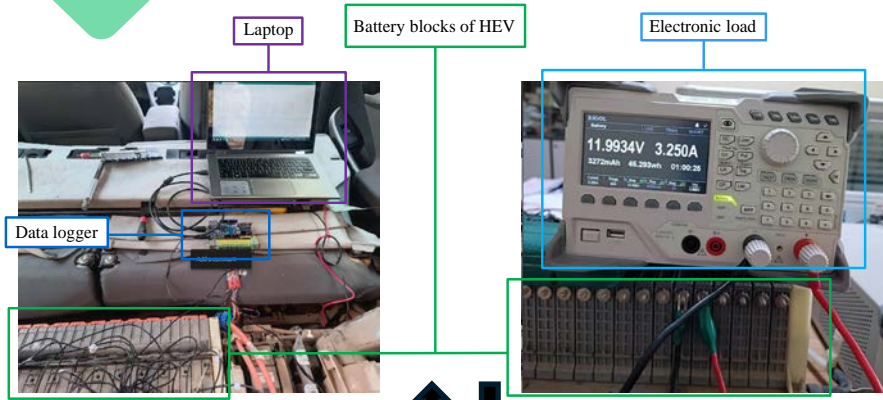
Technology Developed:  
Online HEV Battery Testing System.  
Battery Evaluation System.





Solution

# Battery Testing & Balancing System



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

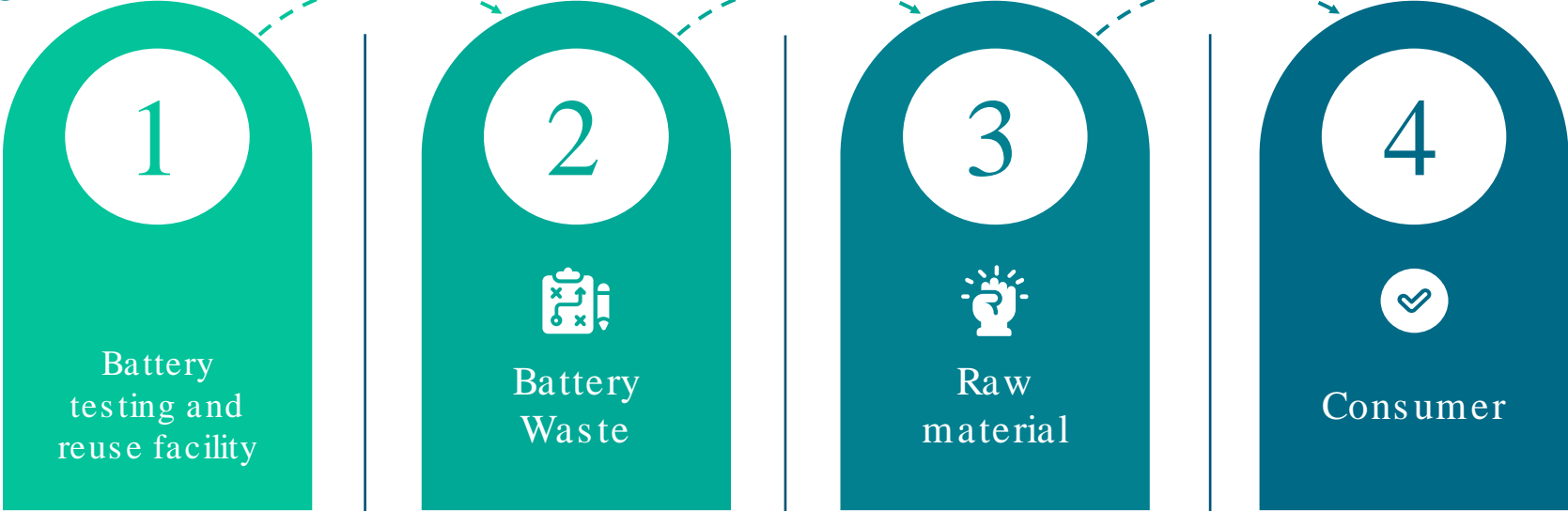
- **Benefit 1**  
Measures battery cells capacities and integral resistance.
- **Benefit 2**  
Identifies and isolates degraded cells, optimizing overall battery performance.
- **Benefit 3**  
Extends the lifecycle of batteries, minimizing waste.



Sorting

Disassembling

Shipping



Battery  
testing and  
reuse facility

Battery  
Waste

Raw  
material

Consumer

Our  
Technology

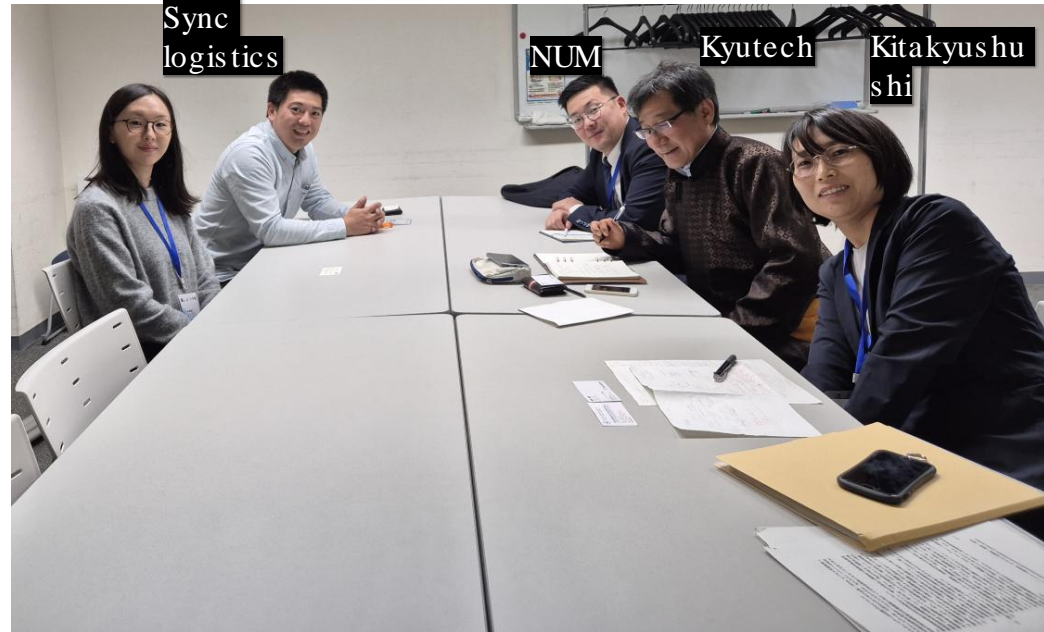
Kyutech &  
Kitakyushu city

Sync  
logistics



# 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

- Develop recycling policies and infrastructure.
- Train human resources in battery reusing and recycling technology.



# Long Term Goals

- Establish a facility for battery testing and reuse.



- 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.