

The Current Status of the Battery Ecosystem in Japan



Malaysia-Japan Environment Week

Session 2: Circular Mobility:
Sustainable Management for End-of-Life Vehicles and Batteries

October 15, 2025





PRESENTATION AGENDA



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Matsuda Sangyo's
Battery Recycling Business

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Battery Ecosystem

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1. Company Profile

Established

June 1951

Head Office

Shinjuku-ku, Tokyo, Japan

Stock Released

August 25, 1995

Domestic
Production
Base

Saitama (5 factories)
Gifu (2 factories)
Fukuoka (1 factories)

Capital

3.559 Million JPY

Overseas
Subsidiary

Singapore, Thailand, Philippines, Taiwan,
Malaysia, Vietnam, South Korea

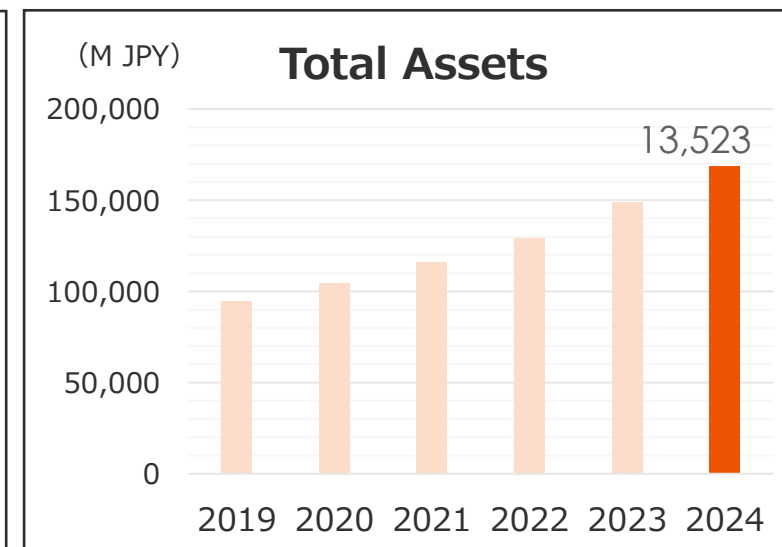
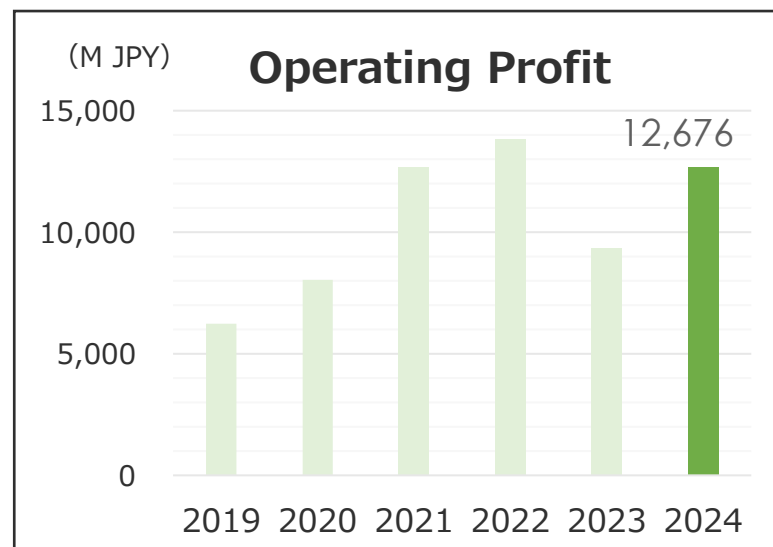
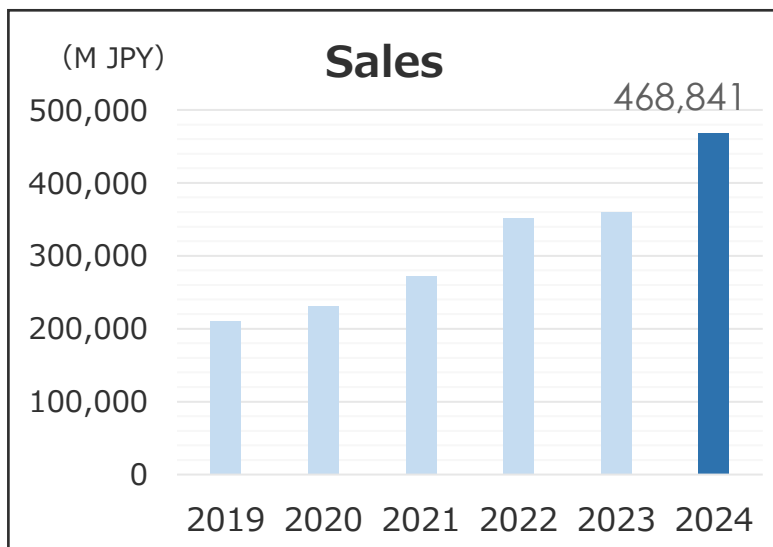
Turnover

468.8 Billion JPY (2024)

Employees

1,698 (March 1, 2025)

London Bullion Market Association / London Platinum Palladium Market / Osaka Market Gold・Silver・Platinum・Palladium Bullion Delivery Brand Certifications / ISO 15408 / ISO 9001 / ISO 14001 / Used Material Trade License / Industrial Waste Transport License / Industrial Waste Disposal License Certifications / Specially Controlled Industrial Waste Transport License / Specially Controlled Industrial Waste Disposal License



1. Company Profile

<Concept>

Committed to creating a rich society and protecting a beautiful planet

After getting our start in the silver refining business, we've worked consistently to spur effective use of precious metal resources and address environmental protection problems.



Precious Metal Related Business



Urban Mining

Precious Metal Recovery・Material Sales

- Resource Circulation
- Life-Cycle Support
- Sales of Functional Materials



Industrial Waste

Coordinate Transport/Process of Industrial Waste

- Zero Emission
- Environmental Protection
- Sustainability

Food Related Business



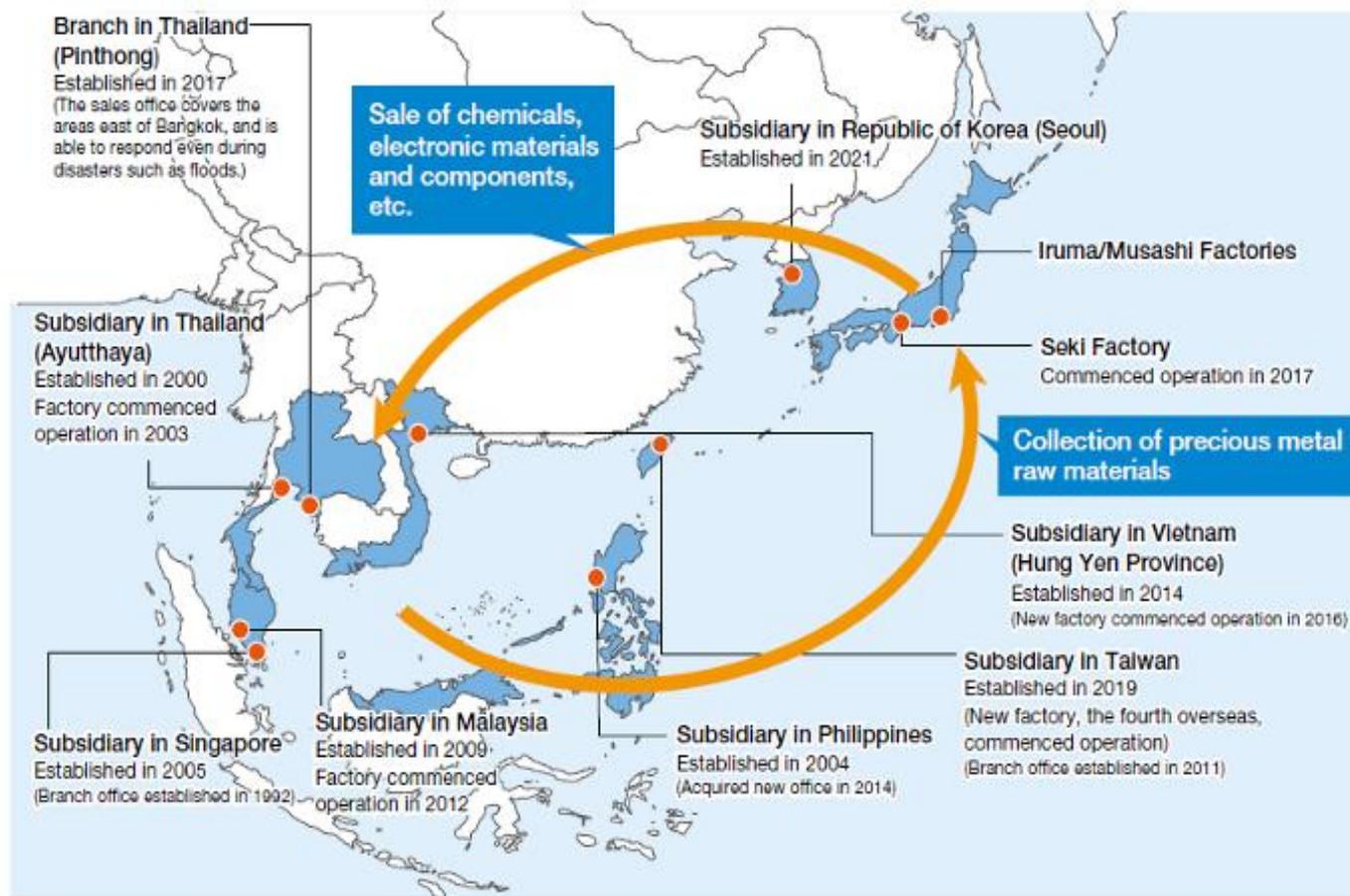
Food Sourcing from Global Network

- Stable Supply
- Quality Control
- Low Cost Operations

1. Company Profile

Established a network for collecting precious metal including waste materials and supplying precious metal raw materials for manufacturers in Japan and East Asia

In Southeast Asia, we have been active since 1992 and we opened our second overseas factory in Malaysia in Nov 2011.



<Overseas Locations>

Taiwan, Singapore, Thailand, Philippines, Malaysia, Vietnam, South Korea

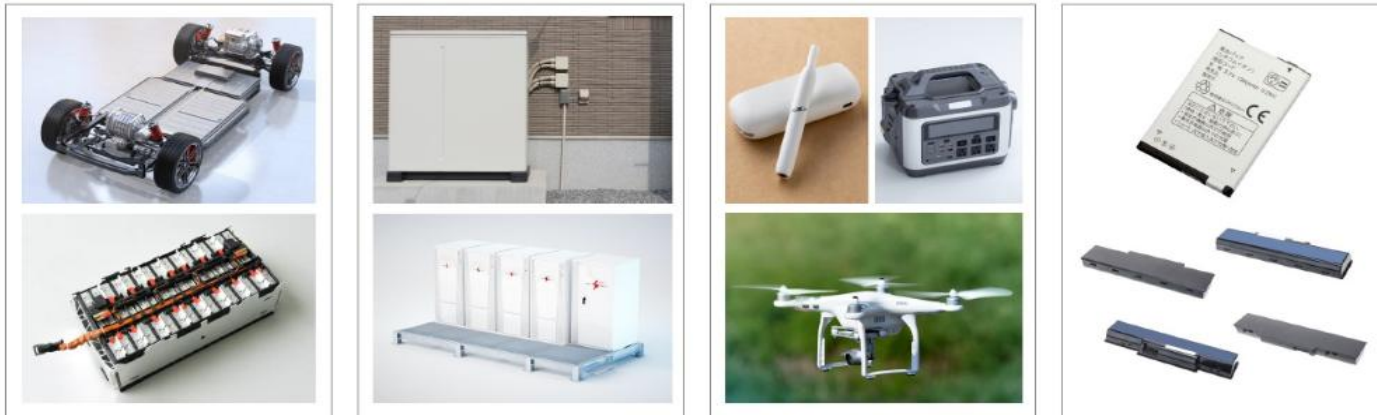
7 Offices 4 Factories

(Taiwan, Thailand, Malaysia, Vietnam)



Matsuda Sangyo (Malaysia) Sdn. Bhd.

2. Matsuda Sangyo's Battery Recycling Business



Battery raw material manufacturer
(Domestic/ Overseas)



Heat Treatment



Shredding/Sorting



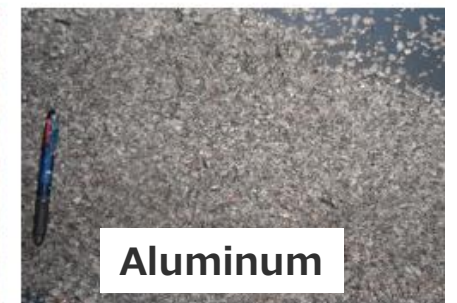
Black mass



Iron



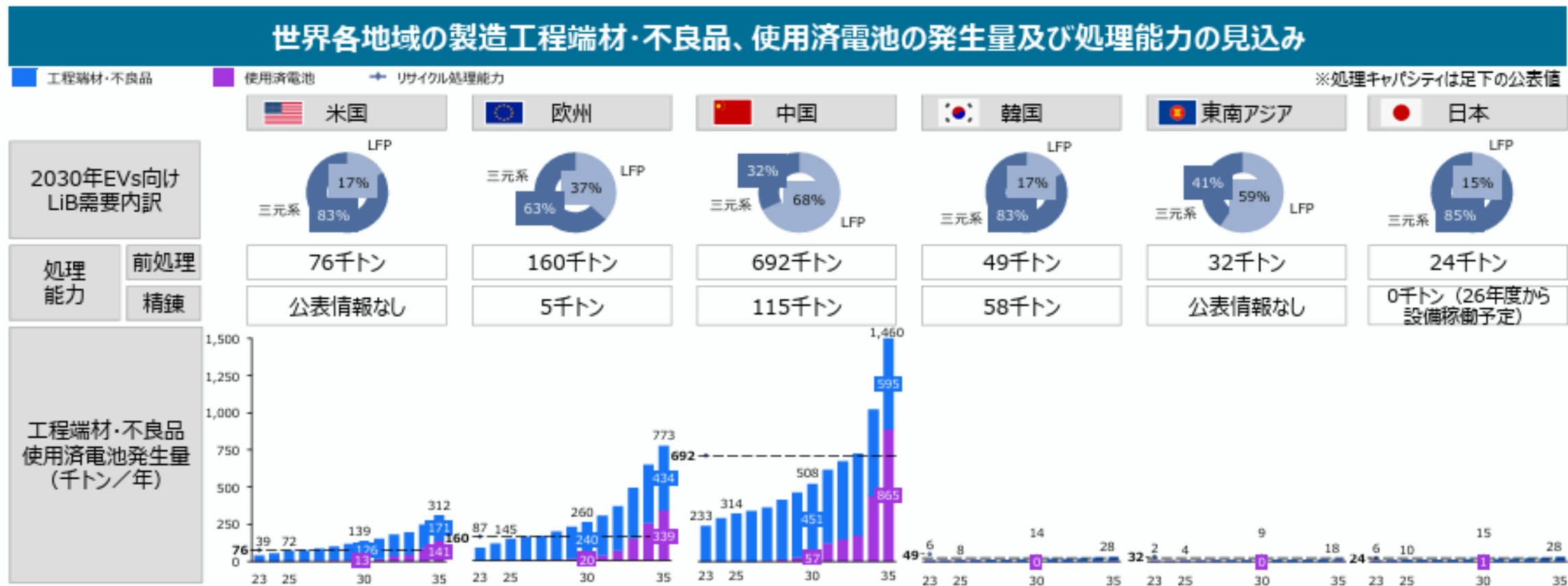
Copper



Aluminum

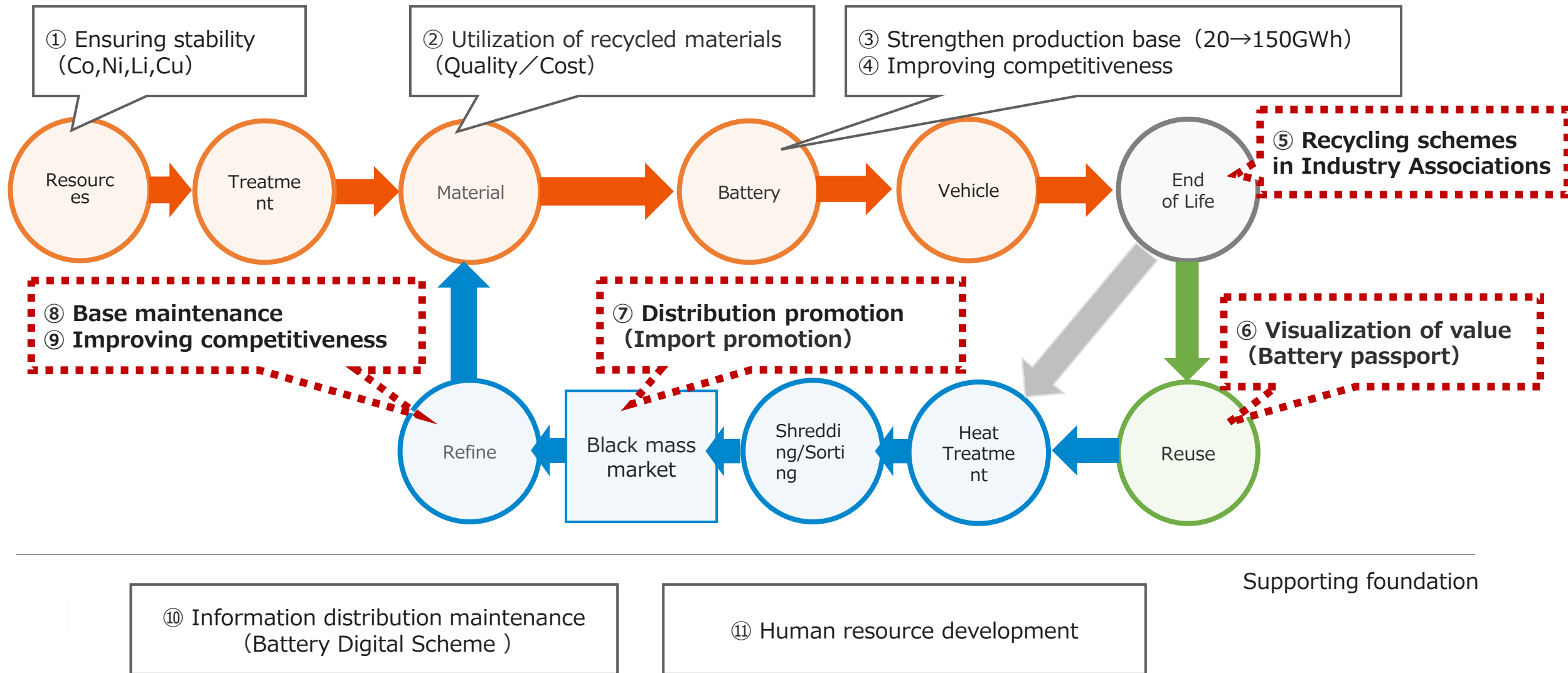
3. Challenges in building a Battery Ecosystem

- Without an abundance of Black mass, it would be impossible to build facilities to smelt the metals in batteries into battery raw materials as it would not be economically feasible.
- In Japan, 「Sumitomo Metal Mining」 plan to start a business in 2026 that uses Black mass as a raw material to refine it into battery materials. (Dry + Wet Process)



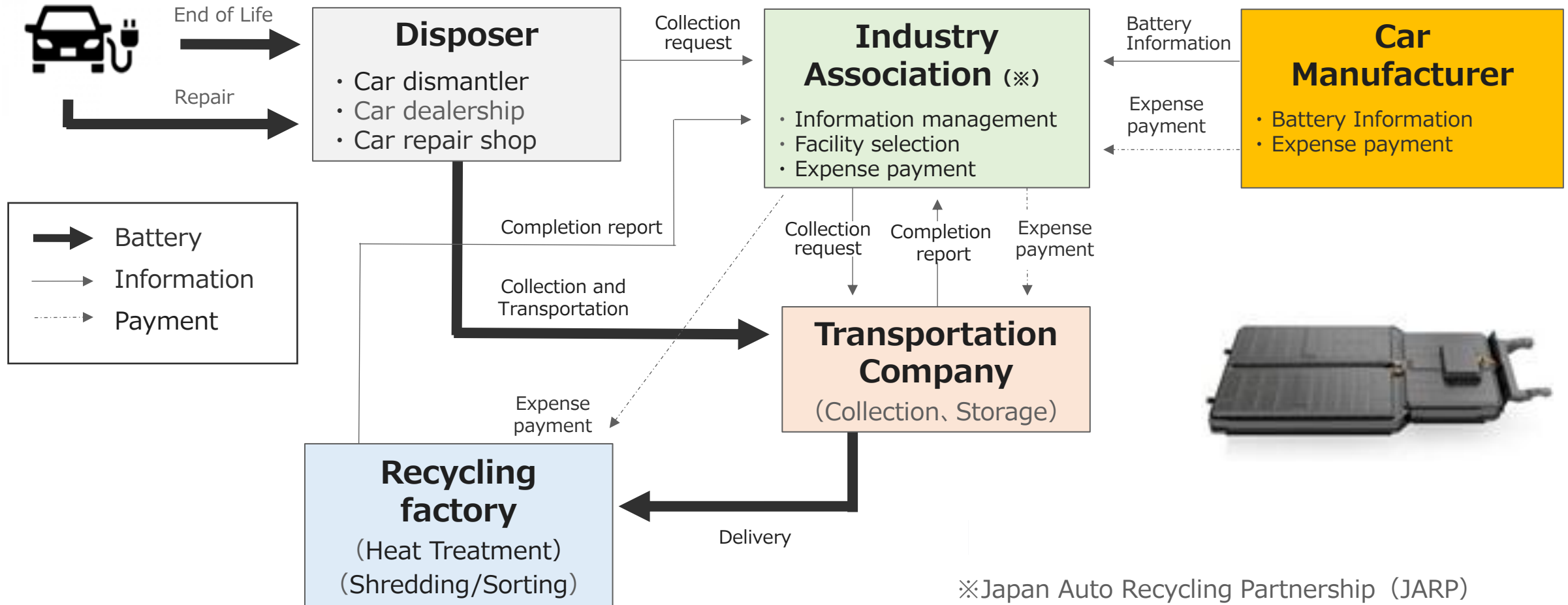
https://www.meti.go.jp/policy/mono_info_service/joho/conference/battery_strategy2/shiryo03.pdf

4. Current status of initiatives in Japan



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⑤ Recycling schemes in Industry Associations

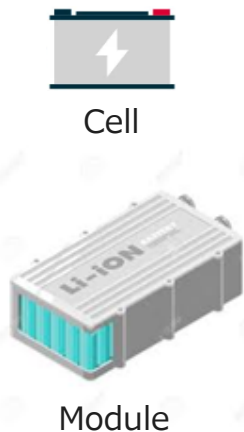


4. Current status of initiatives in Japan

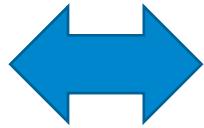
⑥ Visualization of value (Battery passport)

Battery passport (Japanese version : Proposal)

"Individual identification information + Resource amount"
for each module or cell



Solid Confirmation
(QR, Engraving)



- Vehicle number
- Battery serial number (per module)
- Manufacturer information
- Manufacturing date
- Resource amount

- ※ Cannot be rewritten
- ※ Permit required



Data linking

Remaining performance
Remaining lifespan

State of Health (Battery Capacity)

Number of Charging/Discharging

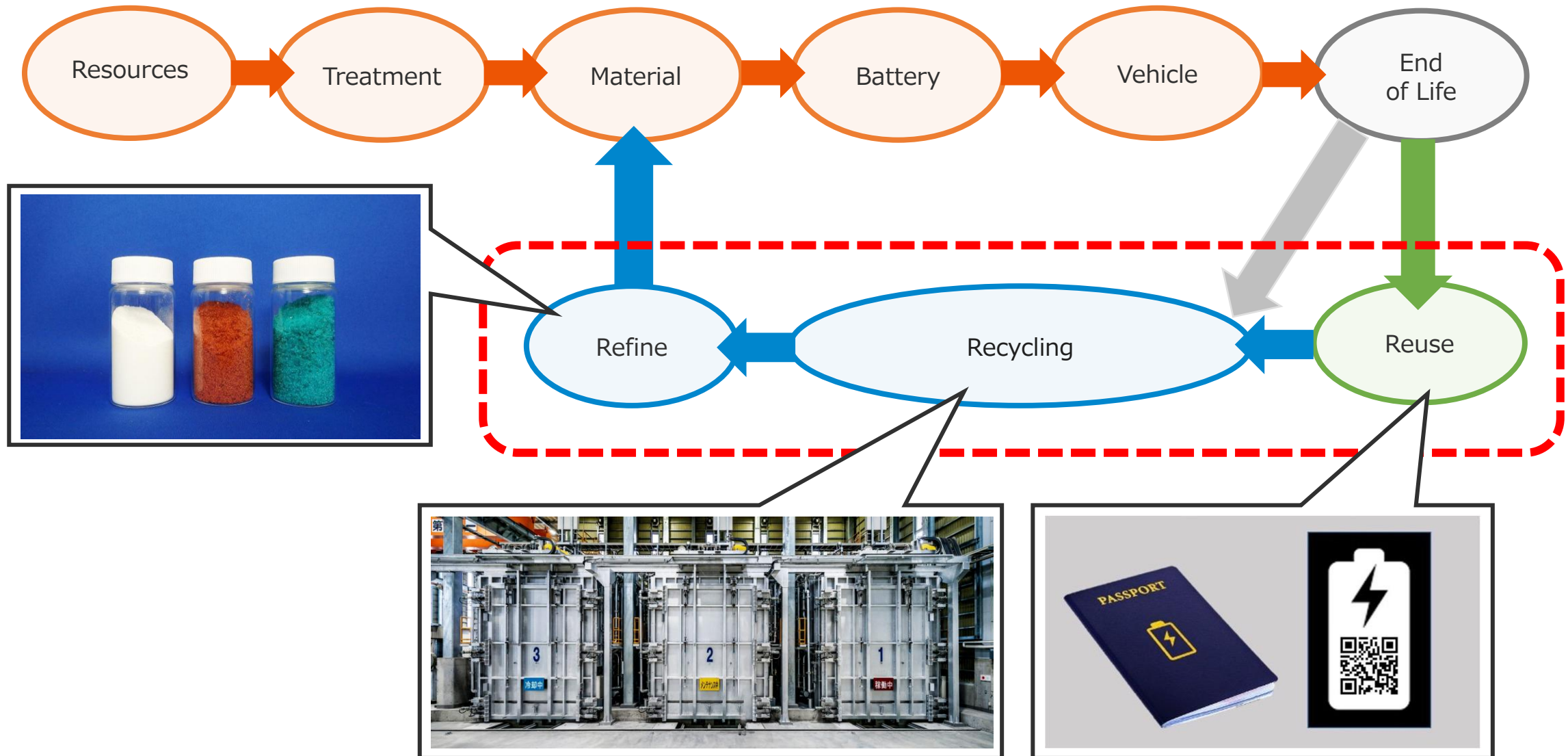
Repair/replacement history

Environmental response

Carbon Footprint of Products

Due Diligence

5. Possibility of cooperation with Japan





人を豊かに、地球を美しく

Enriching people and Beautifying the Earth

Thank you for your kind attention