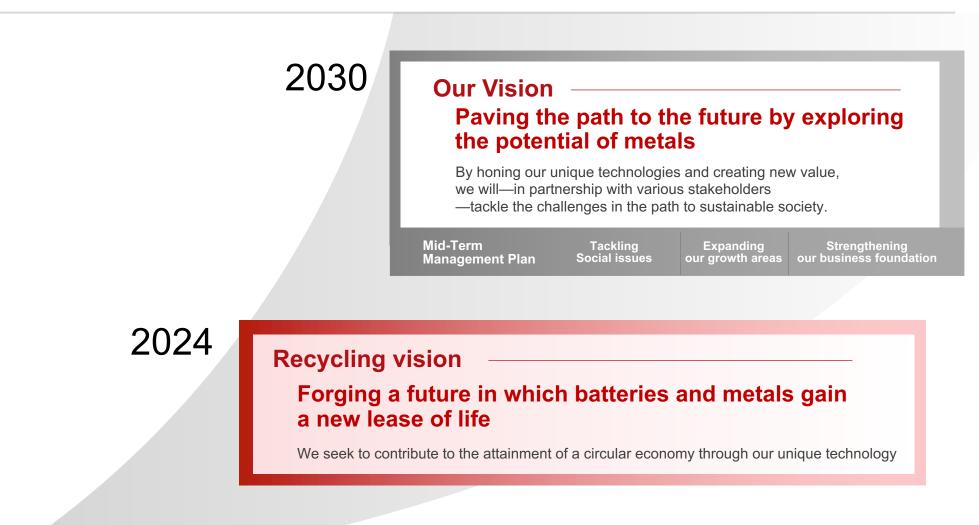
Developing an Advanced Metals Recycling Business

Forging a future in which batteries and metals gain a new lease of life



Mid-to-Long Term Roadmap



2023 Start of Mid-Term Management Plan

NIHON KAGAKU SANGYO CO.,LTD.

Nippon Kagaku Sangyo: Recycling Vision

Forging a future in which batteries and metals gain a new lease of life

We seek to contribute to the attainment of a circular economy through our unique technology

To recover used metal to be used as the next resource, and to restore raw materials to be continuously reused.

Building a society in which the value of metal is continuously recycled.

Through recycling metal, we will improve the global environment.

This is our purpose and promise to society.

Recycling vision

Present

Role and Policy of our Recycling Businesses



Role

 Recycling business that are indispensable towards realizing our vision of a sustainable world

 Recycling business that aim to achieve our long-term sales and profit growth

Policy

Tackling social issues

- Minimize waste and effective use of resources
- Building a decarbonized society

Strengthening our business foundation

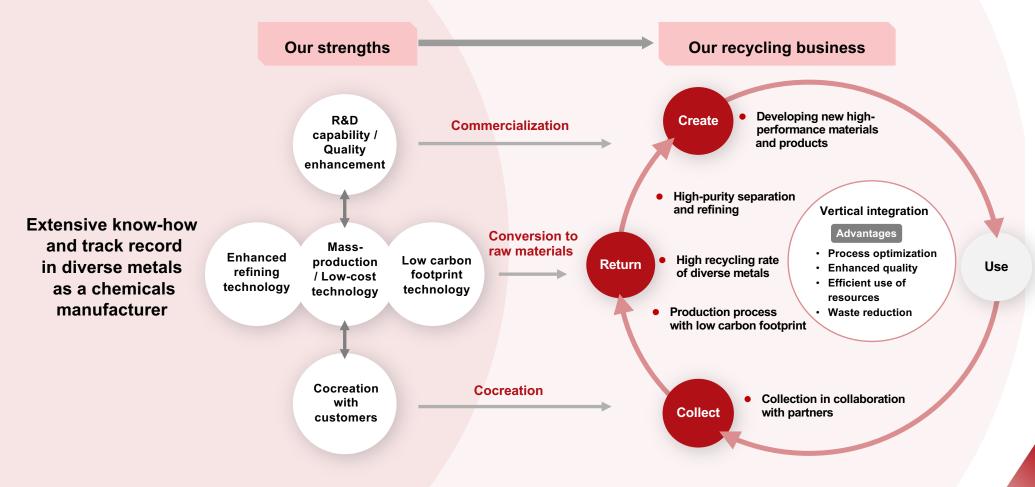
- Strengthening the vertical integration model
- Establishing new supply chains
- Expanding collaborative business partners

Expanding our growth areas

- Expanding our business domain to battery recycling
- Enhancing new high-performance materials and products derived from recycled raw materials

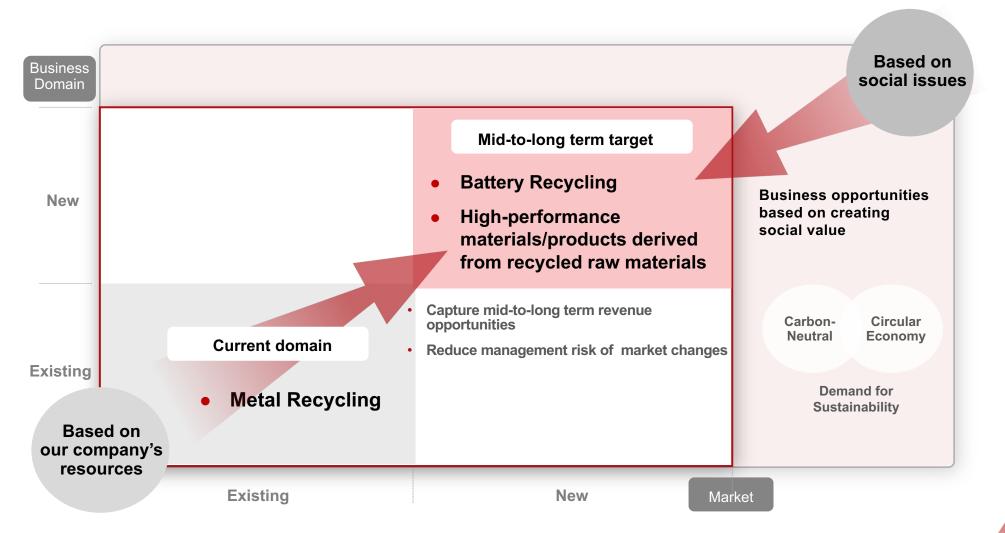
The source of the strengths of our recycling business

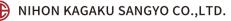
Expanding our recycling business by leveraging our cumulative strengths



Expanding Business Domain

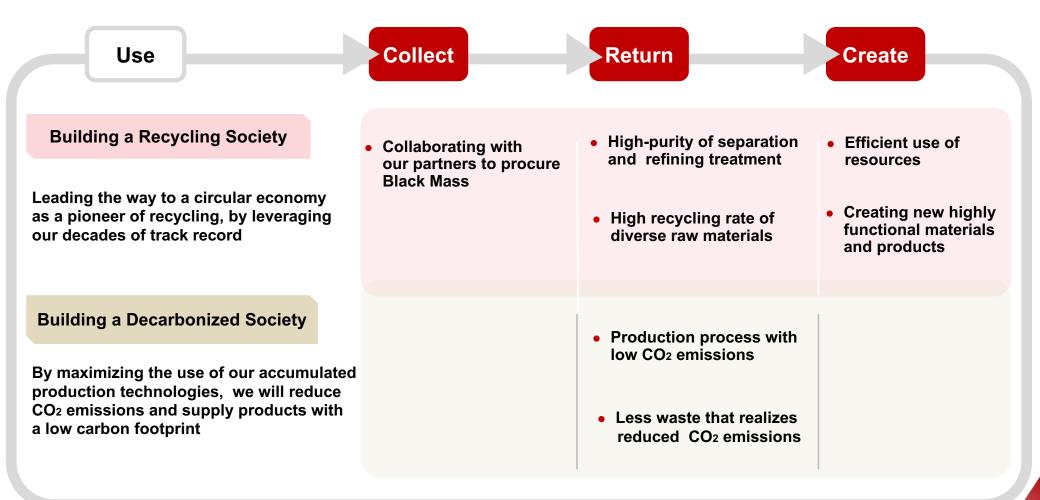
Shifting our portfolio by viewing major market turning points as business opportunities





Battery Recycling Business

Enhancing our contribution to a circular economy and decarbonization



Battery Recycling Business Initiatives

Pursuing initiatives to realize our recycling vision

2024

2030

Research & development	Mass-production technology development	Commercialization
 Creating technologies that realize long term sustainable growth 	 Continue practical experiments of recycling technologies at pilot plants 	 Create measures to stabilize operations and improve productivity
 Strategic investment of resources in mid-to-long term growth areas 	 Continue reviewing processes to reduce CO₂ emissions 	 Strengthening development of high-performance materials and products
Proposal		
Collaboration with diverse partners involved in the resource recycling loop		



Paving the Path to the Future by Exploring the Potential of Metals