2023-25 Mid-term Management Plan

NIHON KAGAKU SANGYO CO.,LTD. October.2023



The Positioning of our Mid-term Management Plan

We devise our Mid-term Management Plan by backcasting from Our Vision

2025

<2025 Mid-term
Management Plan>

Critical pathway to attaining Our Vision by 2030

2023 Steadfast implementation of detailed management plan

2030

<Defining Our Vision>

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

We define Our Vision as the future state we seek to achieve in the long term



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

Our Message

By honing our unique metal technologies and creating new value, we will—in partnership with various stakeholders—tackle the challenges in the path to sustainable society.

The Intent behind Our Message

- Become an indispensable member of the society
- Transformation into a strong business
- Corporate culture receptive to change

Chemicals Division



Building Materials Division



Overview of the fundamental policy

Strengthening our business foundation

- Innovation of high added value business/products
- Enhancing our marketing to better identify and cater to customer needs
- Evolving our production system

Establishing competitive advantage

Tackling social issues

- Contributing to a recycling society
- Contributing to decarbonization

Expanding our growth areas

- Innovation
- Strategic partnerships
- Overseas expansion

Chemicals Business

Building Materials Business



Chemicals Business: Vision



Our vision

We will contribute to industries and a sustainable society by becoming a one-of-a-kind chemicals manufacturer offering high added value in the market.

Our unique strengths

- Track record of supplying many different metal-based chemicals for more than 80 years.
- Outstanding responsiveness backed by history of developing and supplying chemicals that meet the wide array of needs of many different industries.
- R&D capability to produce products that not only respond immediately to technological innovations, but also meet the demands of the society and contribute to achieving a sustainable society.

Chemicals Business: Recognizing our Business Environment

Qualitative changes to our business

environment

Environmental

- Climate change
- Tighter environmental regulation
- Increasing environmental demand from business partners
- Increasing demands for disclosure

Geopolitical

- Tariffs & trade restrictions
- Depletion/oligopoly of resources
- Transition to renewables

Economic

- Soaring energy price
- Change in our customers' competitiveness
- Cheap overseas import
- Emergence of alternatives / commoditization

Social

- Labor shortage
- Inflation

Increased environmental awareness

Global trend

- Acceleration of decarbonization due to the Paris Agreement
- Expansion of circular economy

Increased demand for electronic components

- Increasing demand for electronics
- Market growth due to innovations in electronic components and functional materials, as well as their expanding application

Shift towards EV

- Sustainable growth of battery market due to electrification of automobiles
- Legislation mandating use rate of recycled materials
- Increasing demand for high performance/capacity batteries

Business areas that leverage the strenaths of Chemicals **Business**

Products that support many different industries



Existing Chemicals Business

Enabling devices to become smarter, more efficient, and smaller



Battery Business **Developing and producing battery** materials that make life easier and safer



Metal Recycling Business

Environment-friendly recycling of metals, ready for circular economy



New Materials Business



Chemicals Business: Strategy

2025

- Expanding the range of customized products that truly meet customer needs
 - Evolving our production facilities
 - Developing new materials through strategic research
 - Promoting open innovation
 - **Developing technologies that** promote lower carbon emissions as well as recycling of waste into raw materials
 - Strengthening alliance to promote recycling within supply chain.

Our vision for 2030

[A one-of-a-kind chemicals business]

- **■** Evolving/merging proprietary technologies
 - **■** Transitioning to highprofitability business.

[Cutting edge materials business]

■ Innovating high added value products

[Advanced metal recycling business]

- Contributing to circular economy
 - **■** Contributing to decarbonization





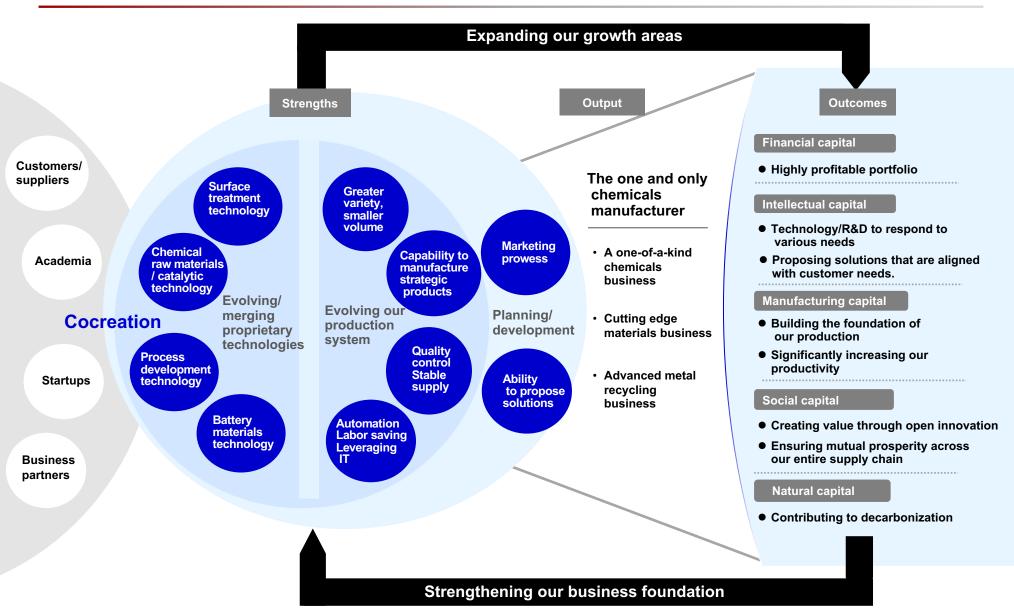
growth areas

Strengthening our business foundation

Tackling

social issues

Chemicals Business: Value Creation Model



Chemicals Business: Metal Recycling Business

Increasing the recycling of metals

Enhancing decarbonization



• Strengthening the supply chain for collecting the waste to be recycled into raw materials



- Expanding the variety of metals collected
- Refining processes that cater to many different metals
- High-purity refining



 Developing products derived from recycled materials

- Developing technologies to reduce the carbon footprint of our production
- Reducing our carbon footprint through recycling of waste
- Reducing the carbon footprint of our strategic products

Tackling social issues

[Contributing to circular economy]

- · Recycling of waste into raw materials
- Enhancing the value of recycled metals



[Contributing to decarbonization]

- Reducing our own **GHG** emission
- Decarbonizing our entire supply chain

Vertically integrated recycling model



Long track record of supplying recycled/commercialized waste to the industries

Collection from many different collaborators

Separation/refining Enhanced purification

Recycling

Analysis/ **Evaluation** Reusing many different metals across the product portfolio

Commercialization



Building Materials Business: Vision



Our vision

We will play our part in achieving a sustainable society, by further developing our unique metal processing technology and offering new value through products for housebuilding and industrial use.

Our unique strengths

- Long track record of supplying housebuildingrelated products—which achieve fireproofing, ventilation, and waterproofing—by utilizing our unique metal forming technologies.
- Product development capability which enables us to contribute to the sustainability of the society, by developing—in response to the needs of our customers, including housebuilders—products that facilitate a safer and more comfortable life.

Building Materials Business: Strategy

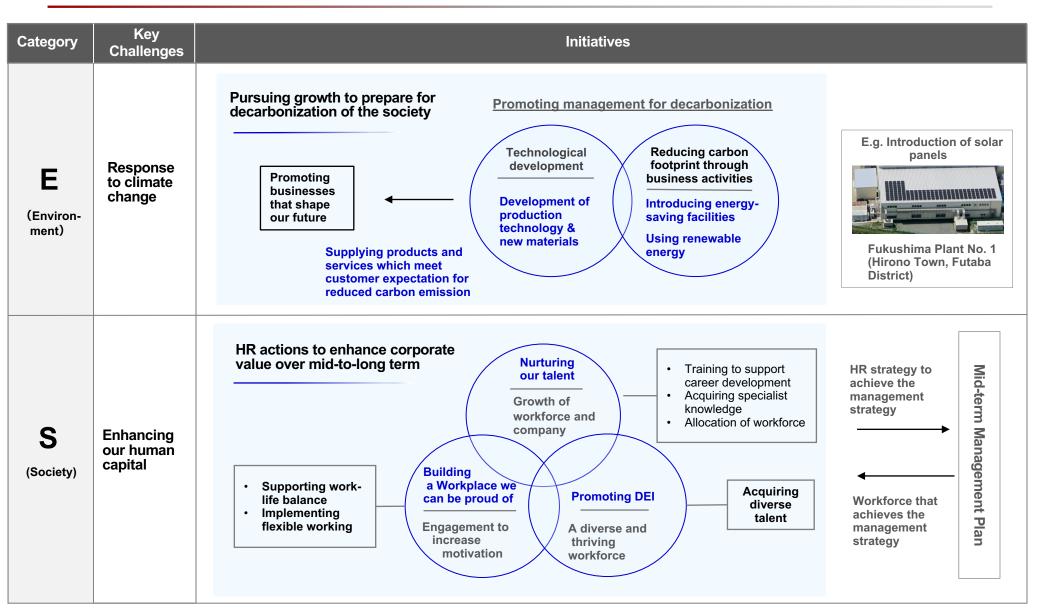
Our vision for 2030 2025 [Supplying products that are Expanding the existing product/OEM business Development of new products Non-fireproof products Housebuilding · Disaster response products Building distribution channels Developing products for mid- to high-rise wooden [Expanding business housebuilding buildings in new areas] Strengthening our business Enhancing heat foundation exchanger products Industrial metal processing **Expanding our Tackling** growth areas social issues Introducing automation Promoting digital transformation

indispensable for safe and secure homes]

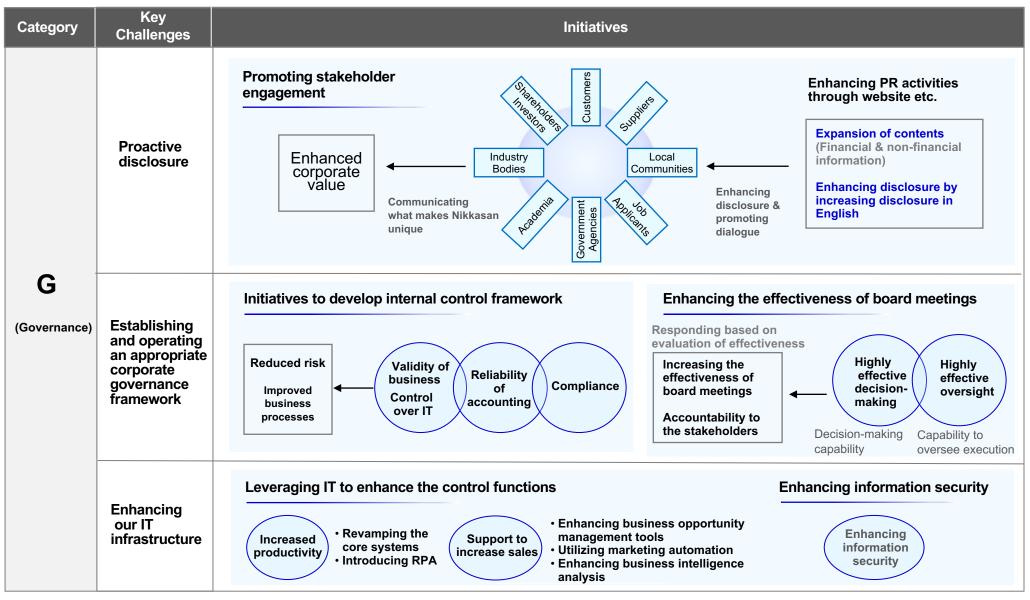
[Offering a product portfolio that improves the durability and comfort of houses]

[Building smart factories that give us a competitive edge]

Strengthening the Foundation of Our Management



Strengthening the Foundation of Our Management



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