# Nippon Denko Group Medium/Long-Term Business Plan

# -Toward "Our Ideal State" in 2030-

November 29, 2023



TSE Prime Market 5563

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- Providing Value to Stakeholders
- <Target 1> Growth Strategy
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# Medium/Long-Term Business Strategies of Five Core Businesses

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# **Five Core Businesses**

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**Five Core Businesses** 

## Medium/Long-Term Business Strategies

# Medium/Long-Term Business Strategies of

# 1. Five Core Businesses (1)

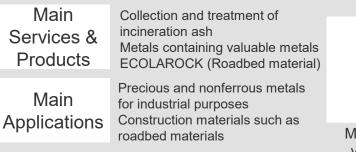
### Our Group aims to be a company on a constant quest for a better future by supporting people's lives through "Materials" and "Environment"



## **Incineration Ash Recycling**

Facility: Chuo Denki Kogyo (Kashima City)

- Contributing to a recycling-oriented society by recovering resources from incineration ash
- To increase the capacity of landfill sites by collecting and treating incineration ash
- To extract metals containing valuable metals from incineration ash
- To recycle incineration ash as roadbed material





Metals containing valuable metals

### **Changed From Four Core Businesses** to Five Core Businesses

Environment

From January 2024, we will divide the "Environment Business" into the "Incineration Ash Recycling Business (currently, Melting & Solidification of Incineration Ash Business)" and the "Aqua Solutions Business (currently, Environmental Systems Business)" and change the names accordingly.

## **Aqua Solutions**

Facility: Korivama Plant

Contribute to the realization of circular economy and carbon-neutral society through our wastewater purification and pure water production technology and services

Main Products	Wastewater treatment equipment Pure water production system
Main Applications	Treatment of industrial wastewater Production of pure water for hydrogen stations, etc.



Pure water production svstem

## **Functional Materials**

Facility: Toyama Plant (Imizu and Takaoka area), Myoko Plant, Tokushima Plant

Providing materials for advanced components supporting a decarbonization and

Distinctive material lineup, such as "No.1" and domestically produced "One-of-a-kind"

products in the Japanese market

Zirconium oxide / Boron oxide / Manganese inorganic chemical products / Ferroboron / Metal hydride alloys / Cathode materials for lithium-ion batteries

Ceramic capacitors / Glass substrates for displays / Additives for electronic components / Neodymium magnets / Anode materials for HVs' nickel-hydride batteries / Cathode materials for EVs' lithium-ion batteries



Zirconium oxide

Facility: Hidaka Office

## **Electric Power**

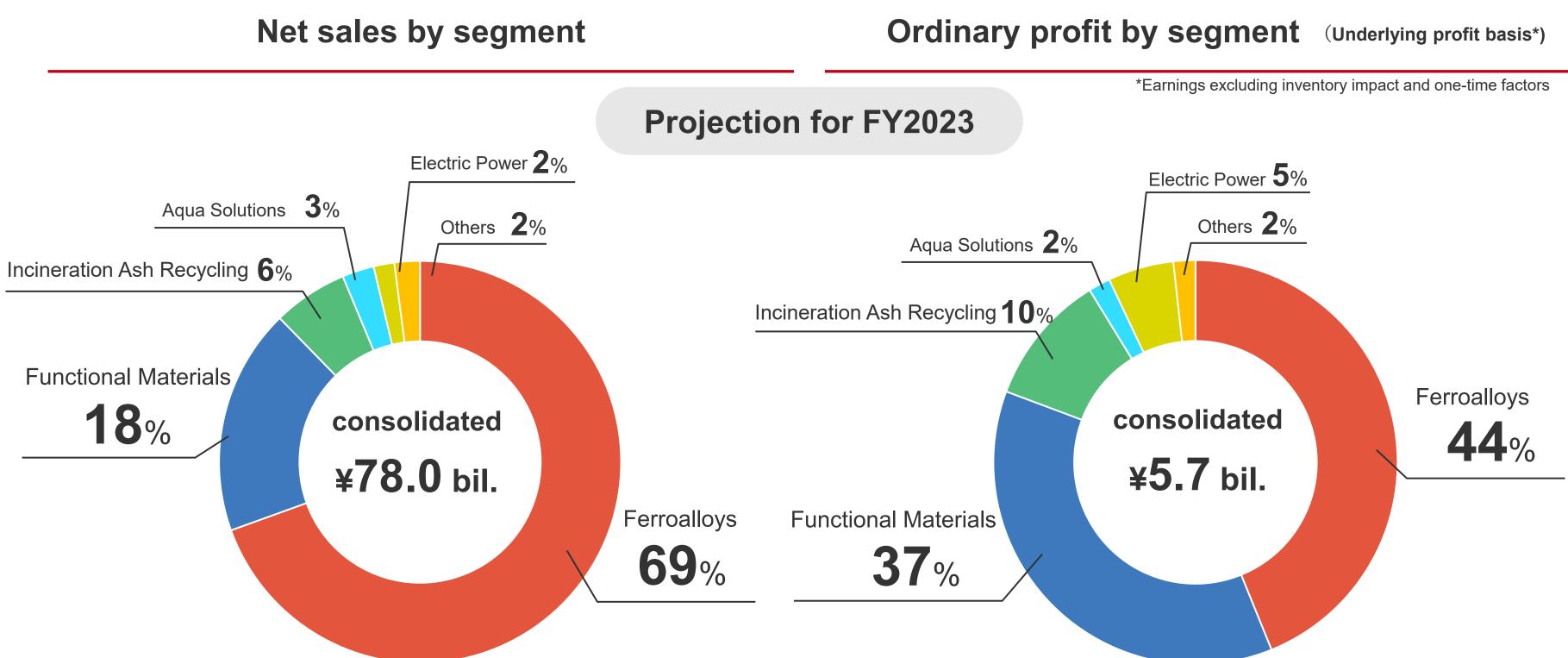
Stable sale of electricity by utilizing renewable energy Feed-In Tariff system (FIT)

- Stable supply of green electricity through the largest private-sector owned dams
- Introducing the environmental advantages of green electricity



Horomangawa Hydroelectric power plants

## 1. Five Core Businesses (2)



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**Five Core Businesses** 

## the 8th Medium-Term Business Plan

## - From the "Desired State" to "Our Ideal State"

## Medium/Long-Term Business Strategies

# Medium/Long-Term Business Strategies of

# 2-1. From the "Desired State" to "Our Ideal State" in 2030

- The period of the 8th Medium-Term Business Plan (FY2021-FY2023) corresponds to the period to lay the groundwork for realizing the "Desired State" in 2030
- We will elevate the "Desired State" to "Our Ideal State" by formulating this medium/long-term business strategy (FY2024-FY2030)

## 8th Medium-Term Business Plan (FY2021 to FY2023)

The period to lay the groundwork for realizing the "Desired State" in 2030

#### **Basic Policy**

Establish a foundation for growth that leads to the next 10 years; "4 Cores + Growth"

#### Key Tasks

- Strengthening existing businesses
- Tackling new businesses
- Strengthening the corporate structure to adapt to the changing business environment

#### Ferroalloys

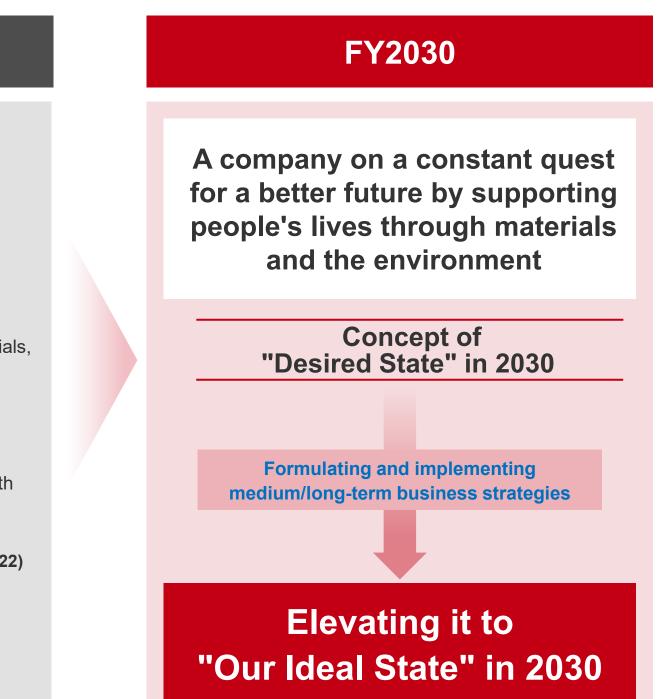
- In Japan: To stabilize earnings by consolidating production and revising price formulas
- · Overseas: To steadily increase production and sales volume by improving our manufacturing system
- Businesses other than Ferroalloys

#### (Functional Materials, Environment)

- Equipment capacity expansion (zirconium oxide, boron oxide, LIB cathode materials, constructing the incineration ash melting furnace No. 4, restarting ferroboron production)
- To increase earnings by passing on higher electricity charges to prices

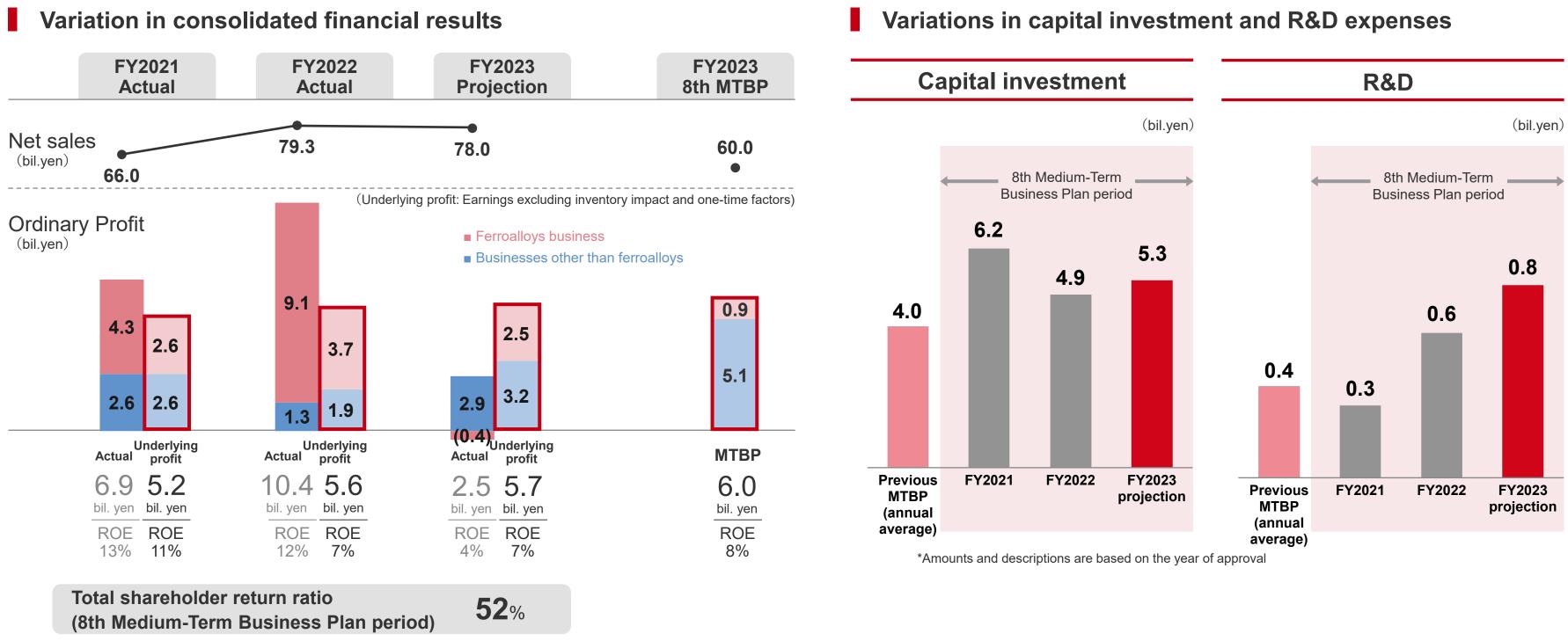
#### R&D and new businesses

- To enhance collaborative research on new ion-exchange inorganic crystal etc. with external organizations
- To invest in venture capital funds
- Sustainability-related (Established a sustainability committee in Jan. 2022)
- GX: Formulation of CN targets, endorsement in GX League, and energy-saving activities
- DX: Formulation of DX vision and roadmap, commencement of DX education
- Human capital management: Setting targets and KPIs for HR strategy



## 2-2. Review of the 8th Medium-Term Business Plan

Underlying ordinary profit, which excludes inventory impact, etc., almost achieved the target level set in the 8th Medium-Term Business Plan in spite of business conditions being challenging due to factors such as "COVID-19," "the Russian invasion of Ukraine," and "continued monetary tightening in the U.S. and Europe."



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## the 8th Medium-Term Business Plan - From the "Desired State" to "Our Ideal State"

# Medium/Long-Term Business Strategies of

## 3-1. Outline of Medium/Long-Term Business Strategies for "Our Ideal State" in 2030

### [Management Philosophy]

To help create an affluent future through sustainable growth by developing and providing distinctive products, technologies, and services



Providing value to diverse stakeholders

## Numerical targets (consolidated)

:	¥110.0 bil. or larger	(Ref.) Projection for FY2023				
:	¥13.0 bil. or larger	Net Sales¥78.0 bil.Ordinary Profit¥5.7 bil.				
:	10% or higher	(Underlying profit basis) ROE : 7%				

Strategy	Sustainability-Related Measures
current assets as a cial leverage urn profit to	Implementation of measures aligned with medium/long-term strategies • GX • DX • Human capital management, and DE&I

## **3-2. Providing Value to Diverse Stakeholders Building Trust and Earn High Evaluation**

Providing value to diverse stakeholders to form a positive cycle of trust, appreciation, and growth

## **Shareholders**

- To enhance corporate value
- To proactively return profit

### **Business Partners**

- Stable supply of products (strengthening) the supply chain)
- Supplying materials to contribute to a sustainable society

# **NIPPON DENKO**

## **Financial Institutions**

- Creditbility for financial transactions
- Making our shares as ESG-related

## Employees

- Appropriate evaluation, compensation, and welfare benefits
- A secure and safe working environment and diverse work styles
- Career development through human capital management

## **Local Communities**

Creation of jobs and revitalization of local communities

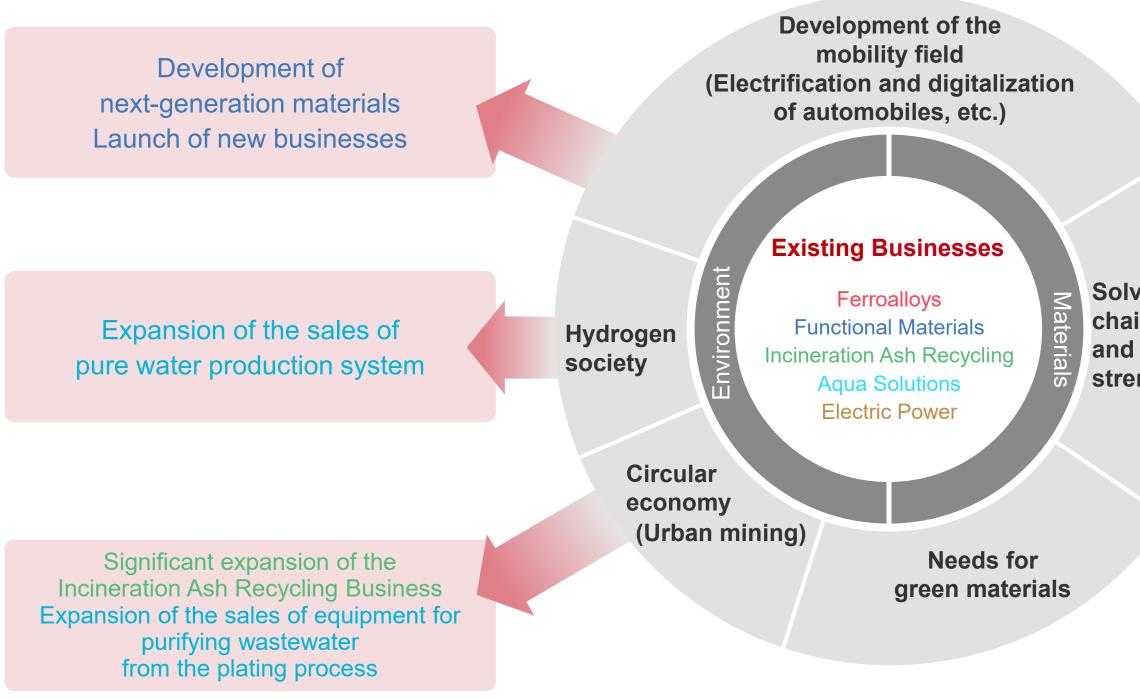
(Participation in local activities [disaster prevention and festivals], and strengthening relationships with local organizations)

## **Public Administration**

Conversion of the Incineration Ash Recycling Business to social infrastructure Tax payment based on stable earnings

# 3-3. Target 1 - Growth Strategy (1) <Medium/Long-Term Business Environment and Our Strategy>

We regard changes in the business environment that would contribute to the building of a sustainable society as a medium/long-term growing fields, and aim to expand the scale and scope of our businesses while leveraging the strengths of our businesses in these fields



Enhancement of production capabilities in the functional materials field (Zirconium oxide, etc.)

Solving supply chain challenges and strengthening

Expansion of domestically produced one-of-a-kind products in the Japanese market (Ferroboron, boron oxide, etc.)

Strengthening the overseas business of ferroalloys (Pertama project)

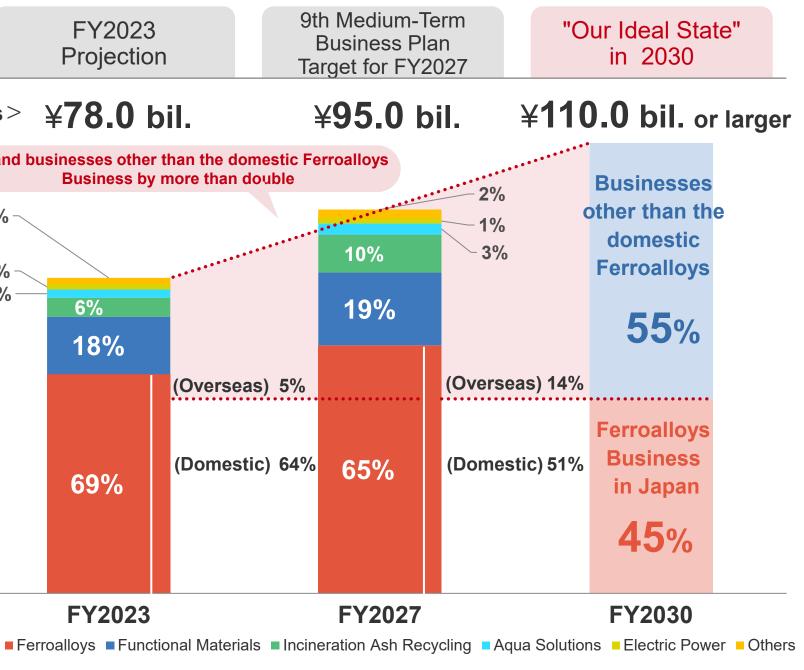
# **3-3. Target 1 - Growth Strategy (2)** Strategic Investment and Business Portfolio>

To create a business portfolio that is less susceptible to the ferroalloys market conditions by proactively and strategically investing ¥45.0-¥50.0 bil., more than three times the current medium-term plan, in growing fields

Medium/long-term business strategies: ¥45.0 - ¥50.0 bil. / 7 years (FY24-FY30) Current medium-term business plan: ¥6.0 bil. / 3 years (FY21-FY23) **Business expansion through proactive strategic investment** Significant expansion of businesses other than the domestic Ferroalloys Business 9th Medium-Term "Our Ideal State" FY2023 **Business Plan** in 2030 Projection Ferroalloys Target for FY2027 • Overseas: To strengthen overseas business (Pertama and Kudumane) ¥78.0 bil. ¥95.0 bil. <Net sales> Functional Materials Expand businesses other than the domestic Ferroalloys Business by more than double \*\*\*\*\*\*\*\*\*\*\*\* **Businesses**  Large investment to respond to the electrification and digitalization of 2% other than the automobiles 2% 1% domestic 3% 10% **Ferroalloys** Incineration Ash Recycling 2% 3% Significant expansion of existing processing capacity 19% 6% 55% 18% (130 thousand to 220 thousand tons) (Overseas) 14% (Overseas) 5% Aqua Solutions . . . . . . . . . . . . . . . . **Ferroalloys** Expansion of wastewater treatment business **Business** (Domestic) 51% (Domestic) 64% 65% 69% Other Strategic Investment in Japan Investing in GX and DX 45% New businesses (new battery materials and new wastewater adsorbents)

• To strengthen existing businesses by acquiring and collaborating with competitors

(Strategic investment)



# **3-3. Target 1 - Growth Strategy (3)** <R&D and Exploration of Business Opportunities>

Aiming to increase corporate value by creating new products and businesses that would help solve social issues

To strengthen the development of new products





## To explore business opportunities

#### Investment in venture capital funds

• We have been Investing in two VC funds since 2023

Energy & Environment Investment, Inc.

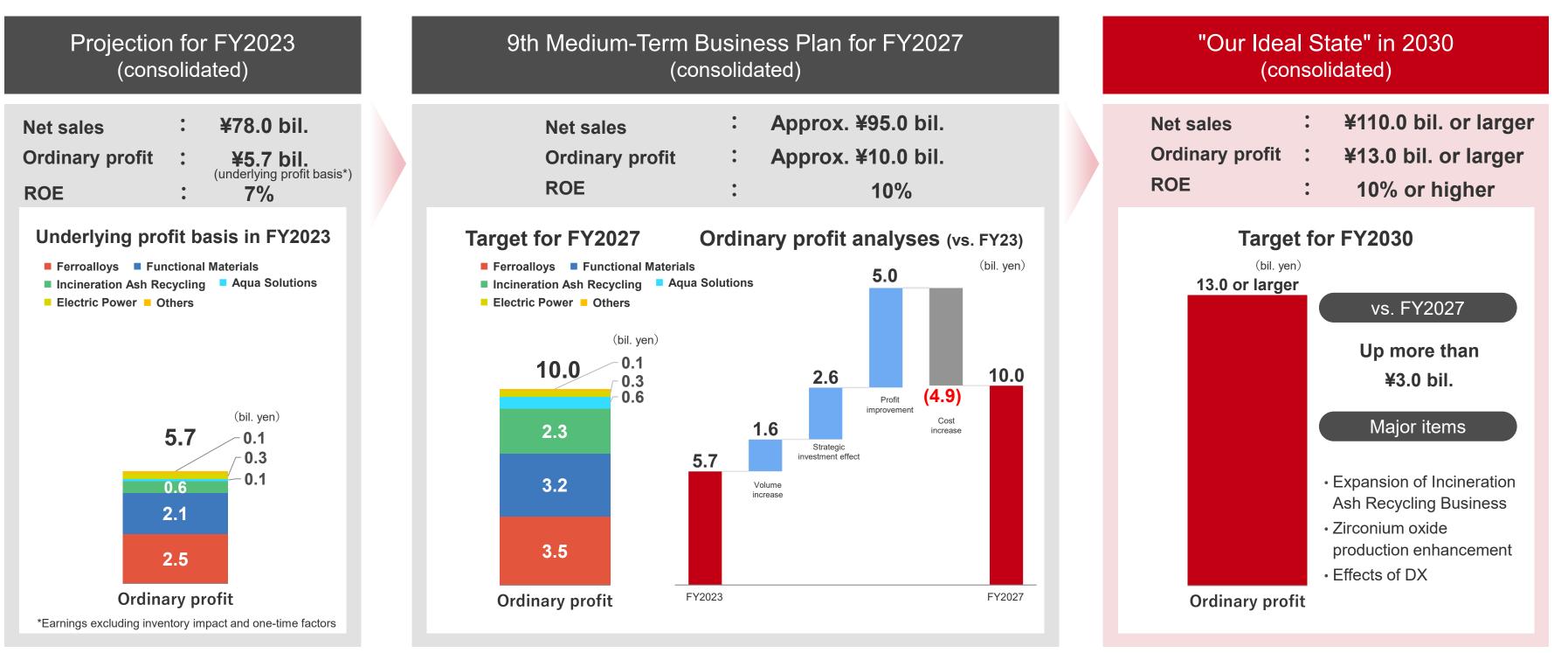
Real Tech Holdings Co., Ltd.

#### To collect information on ventures in the materials and environmental fields

To seek business opportunities through collaboration with venture companies possessing advanced technologies while utilizing our resources and know-

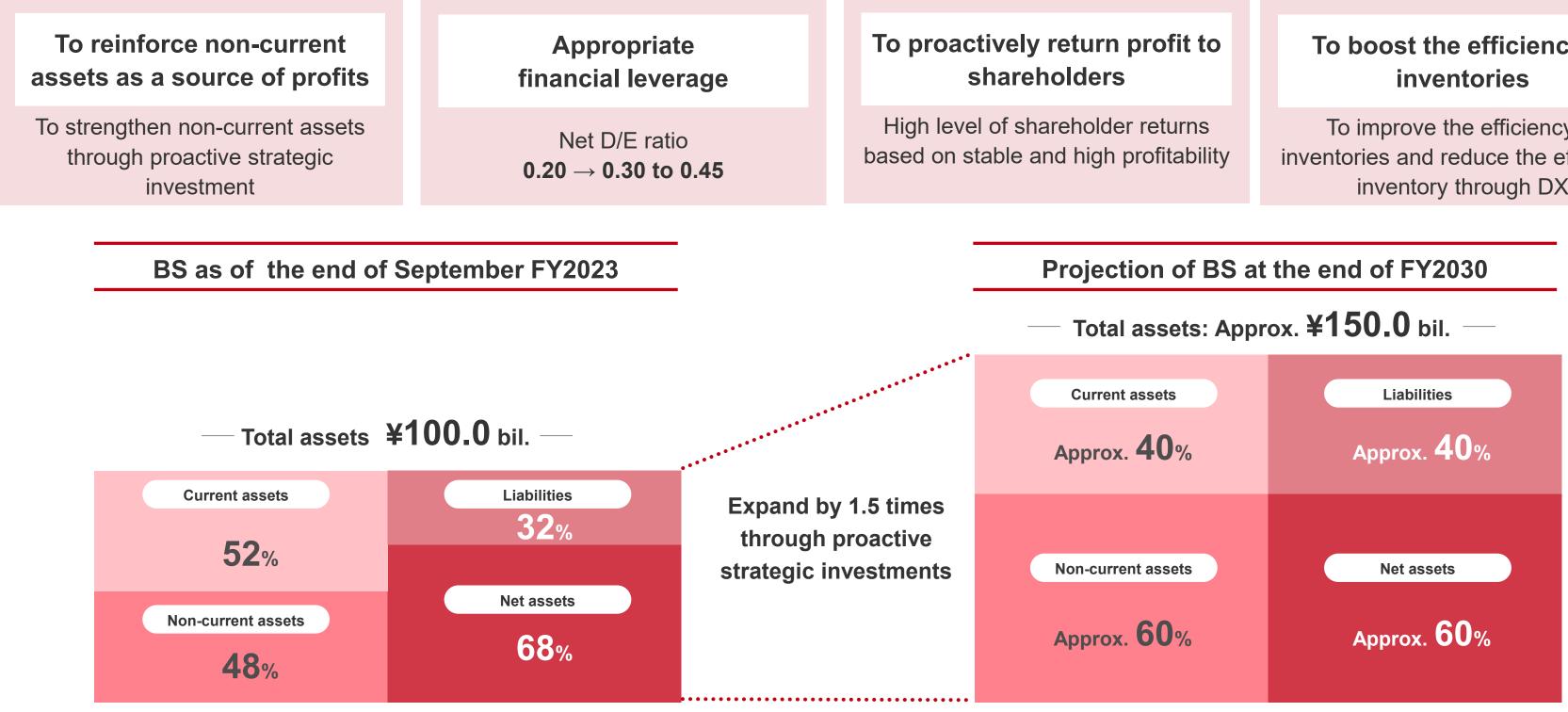
# **3-4. Target 2 - To Improve and Stabilize Profitability**

We aim to achieve an ROE of 10% or higher by establishing a more stable and profitable structure through the active investment in growing fields while further stabilizing profitability through the restructuring of the domestic Ferroalloys Business (drastically reducing the impact of market and volume fluctuations)



# **3-5. Target 3 - Financial Strategy**

We aim to reform our financial structure to realize growth strategies and improve profitability



Net D/E Ratio: 0.20

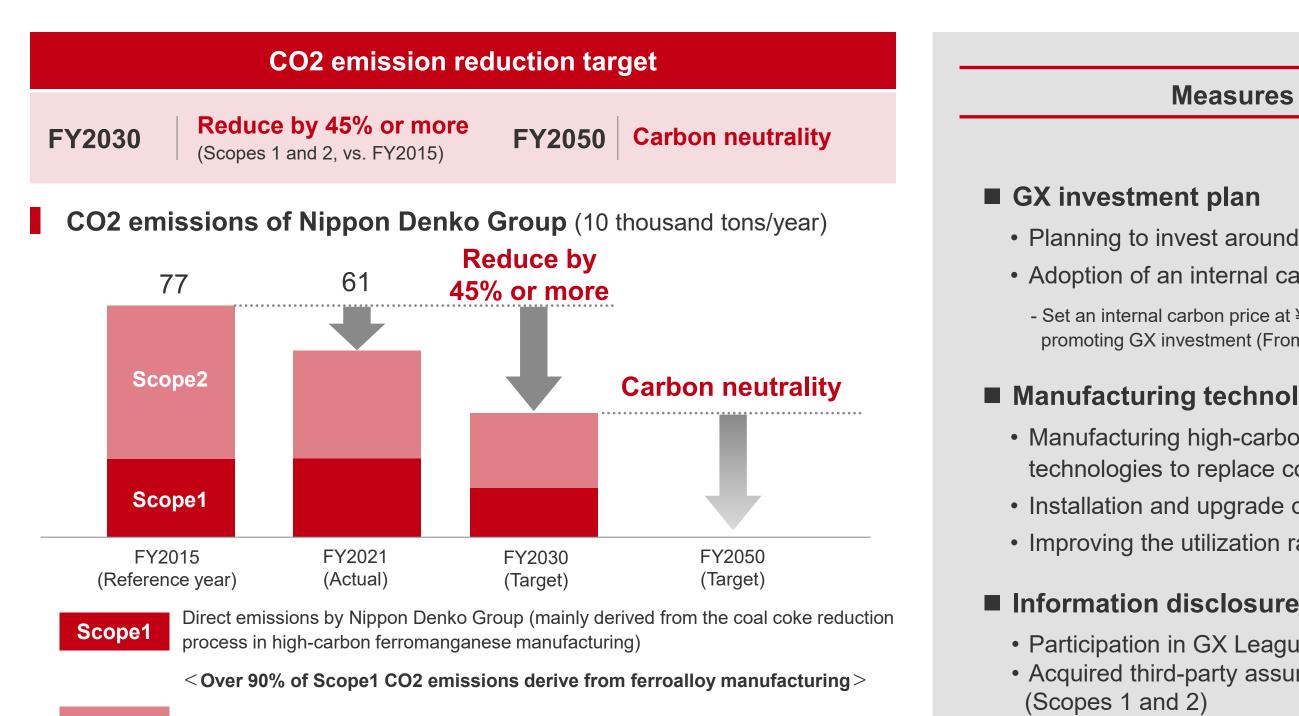
# To boost the efficiency of

To improve the efficiency of inventories and reduce the effects of inventory through DX

Net D/E Ratio: 0.30 to 0.45

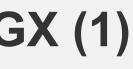
# **3-6.** Target 4 - Sustainability-Related Measures – GX (1)

To implement measures to achieve carbon neutrality and aim to reduce our CO2 emissions by 45% or more\* in FY2030



Indirect emissions from the use of electricity and heat supplied from external sources

Scope2



# (\*Scopes 1 and 2, vs. FY2015)

#### **Measures for carbon neutrality**

- Planning to invest around **¥5.0 bil.** in GX by FY2030
- Adoption of an internal carbon pricing system
  - Set an internal carbon price at ¥10,000/tons-CO2 (Scopes 1 and 2), promoting GX investment (From January 1, 2024)

## Manufacturing technology

• Manufacturing high-carbon ferromanganese by using new reduction technologies to replace coal coke with wood coke and hydrogen etc. • Installation and upgrade of energy-saving equipment Improving the utilization rate of renewable energy

 Participation in GX League (May 2023) Acquired third-party assurance for our CO2 emissions

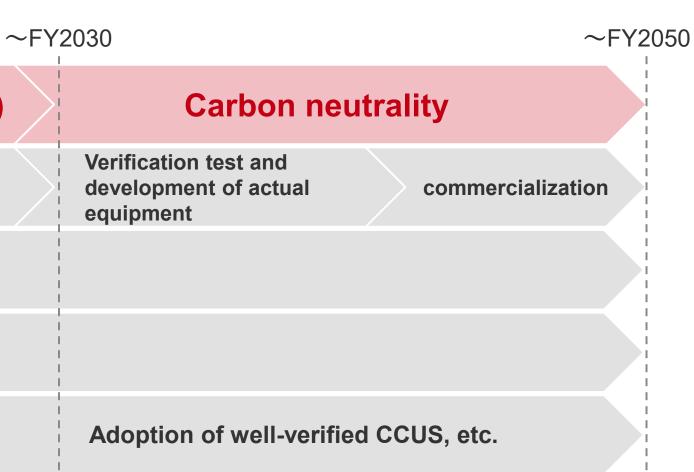
# 3-6. Target 4 - Sustainability-Related Measures – GX (2)

#### **Roadmap toward carbon neutrality**

CO2 emission reduction target	Reduce by 45% or more (vs. FY2015)
Developing carbon-free ferroalloy manufacturing processes (wood coke, hydrogen, etc.)	Basic research and tests
Promotion of energy conservation in existing processes	Continuous reduction in CO2 emissions from energy consumption
Further utilization of renewable energy	Expansion of photovoltaic power generation using idle land and plant buildings
Adoption of the latest energy-related technologies	

Major initiatives in FY2023 Reduction mainly in Scope1 by FY2030

R&D on wood coke reduction	<ul> <li>Reduction test (performance assessment) of Great potential as an alternative to coal coke. Improvements furnace operation are the challenges</li> <li>Selected in FS research phase of the NEDO p Theme: Study on Carbon-Neutral Energy-Saving Technologies for Ferror</li> </ul>
Switching to virtually CO2-free electricity	Purchasing non-fossil certificates with FIT transition to virtually 100% r



#### of manganese ore

nts in wood coke and technical enhancements during actual

### project involving the private sector in FY2030

Ferromanganese Manufacturing

### racking

b renewable electricity, including solar power generation

# **3-6.** Target 4 - Sustainability-Related Measures – DX

To utilize data and digital technology to promote production, operations, and business. Plan to invest around ¥4.0 bil. by FY2030



#### DX platform and environment

Development of an autonomous organization to promote DX and its specialized human resources A system to enhance productivity and business quality



### Phase of the DX strategies

#### ■ FY23 - FY26: Productivity improvement & operational efficiency improvement (Phase 1)

Visualization of production information, real-time sharing

- Transformation of work styles and business processes by streamlining operations
- Visualization of supply chain information, and enhanced management

#### ■ FY27 - FY30: Creating corporate value (Phase 2)

- To reduce labor and optimize operations
- Shifting from routine work to high-value-added work
- Advancement of business management and generation of business ideas

### **DX** infrastructure & environment

#### Human resource development

systems

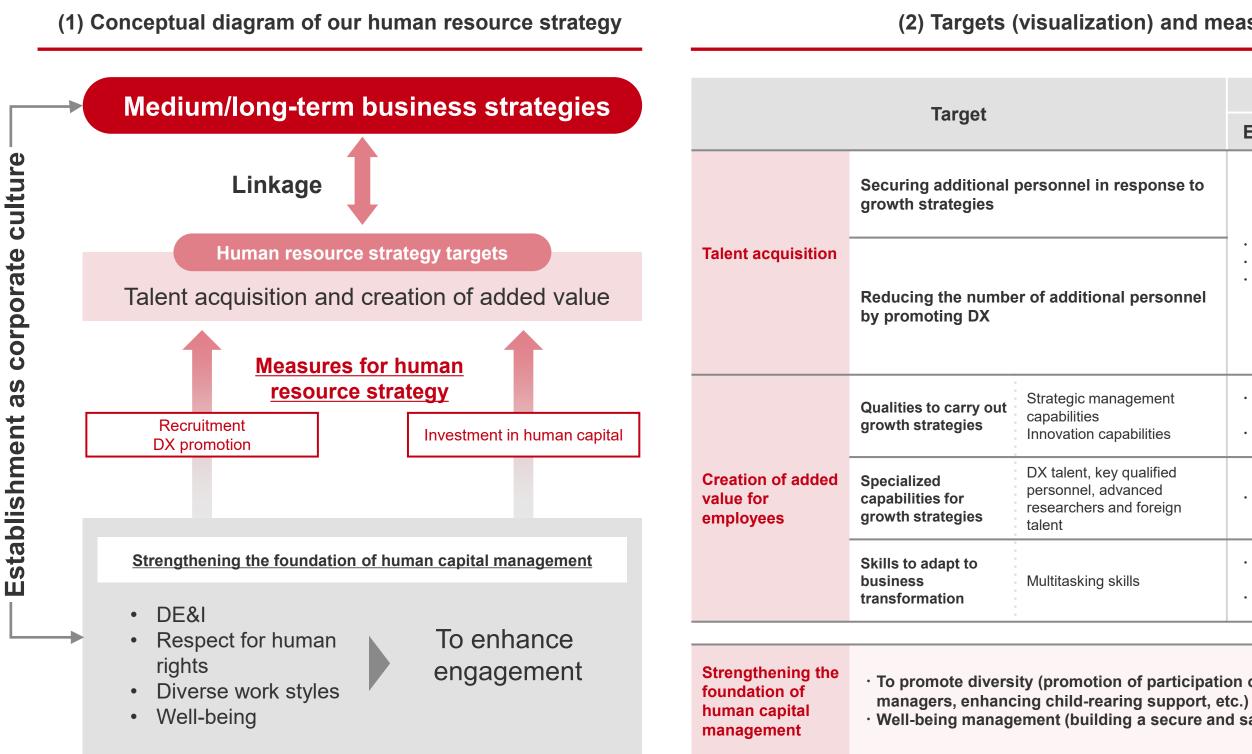
- In FY2023, we started education for the improvement of DX literacy in all departments and levels, and e-learning targeted at general employees
- DX talent development required for more efficient and advanced operations
- Target for FY2030: A total of 80 members; specifically, 40 DX promotion leaders and 40 data scientists (About 10% of all employees)

#### Improvement of system infrastructure

• To revamp core systems (operation/accounting) and adopt purchasing management

# **3-6. Target 4 - Sustainability-Related Measures** - Human Capital Management

Visualizing and executing a human resource strategy linked with the medium/long-term business strategies will strengthen the foundation of human capital management and improve corporate value



#### (2) Targets (visualization) and measures for human resource strategy

	Human resource strategy measures						
	External environment	xternal environment Cor					
onse to		DX promotion	Production DX, Operation DX, Business DX				
	<ul> <li>Decrease in the labor force</li> <li>Diverse work styles</li> <li>Labor market mobility</li> </ul>	Career track employees	Internship program Establishment of a regional career- track system				
sonnel		Skilled employees	To improve regional presence (popularity) Promotion of participation of female employees in operational departments and more				
ent es	<ul> <li>Innovation training, junior be development of self-driven p</li> <li>Participation in the venture of</li> </ul>	ersonnel					
īed d eign	$\cdot$ DX education, utilization of (	Dff-JT and sup	oport for certification acquisition				
	<ul> <li>Education for fostering mult portfolio</li> <li>Change of job category and</li> </ul>		ers, reskilling, and a flexible talent reer-track system				

To promote diversity (promotion of participation of female employees in operational departments, cultivating female

· Well-being management (building a secure and safe working environment, reviewing the in-house personnel system, etc.)

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**Five Core Businesses** 

# the 8th Medium-Term Business Plan

## Medium/Long-Term Business Strategies

# Medium/Long-Term Business Strategies of

# 4. Five Business Strategies (1) < Ferroalloys (Domestic)>

#### Largest manganese ferroalloy supplier in Japan

#### Our mission <Solving social issues>

- Stable supply of ferroalloys, indispensable for high-grade steel products, which is necessary for the sustainable development of society
- Realization of carbon-free ferroalloys

## **Specific measures** (9th Medium-Term Business Plan)

- 1. Establishment of high-carbon ferromanganese manufacturing system to increase output from 180 thousand to 200 thousand tons/year
  - To increase production capacity by 10% (increase the ratio of in-house products) by improving plant operation rate

#### 2. Establishing a sustainable and stable supply system

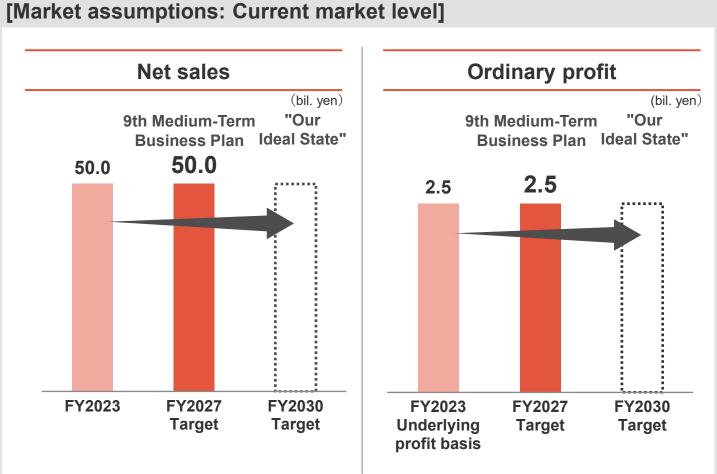
- Diversification of routes for procuring resources and raw materials in preparation for geopolitical risks
- Procurement that takes into account social responsibilities such as environmental impact and respect for human rights

#### 3. Development of a carbon-free ferroalloy manufacturing process

- Shift from coal coke reduction to wood coke reduction
- To promote the development of new technologies such as hydrogen reduction

#### Direction of our medium/long-term business strategy <Enhancing corporate value>

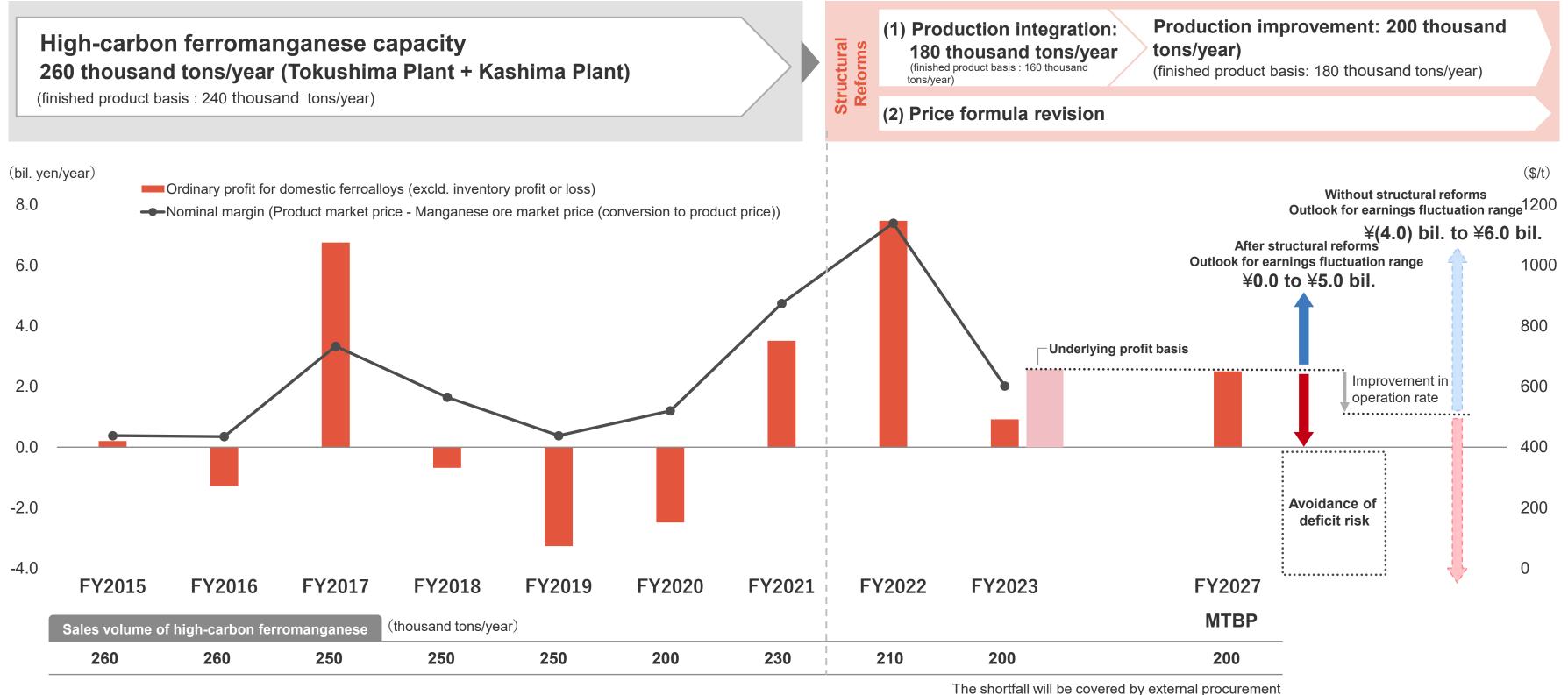
- Maintaining a stable earning structure by covering the decrease in domestic crude steel production and the increase in costs for ferroalloy manufacturing through productivity improvements, etc.
- Aiming to reduce our CO2 emissions by 45% or more by FY2030





# 4. Five Business Strategies (1) < Ferroalloys (Domestic) >

## To achieve a stable earning structure that is less susceptible to decreases in domestic crude steel production and market conditions for ferroalloys





# 4. Five Business Strategies (1) < Ferroalloys (Overseas) > Pertama (25%; direct investment)

Global bases for green ferroalloy utilizing hydroelectric power Strong supply chain by the ownership of manganese mine interests



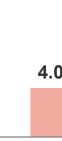
### **Specific measures** (9th Medium-Term Business Plan)

#### To strengthen Pertama's ferroalloy production system

• Establishment of an optimal production system to meet demand from customers (carbon neutrality, avoidance of geopolitical risks, high-grade ferroalloys, etc.) required for the sustainable development of society

#### **Pertama**

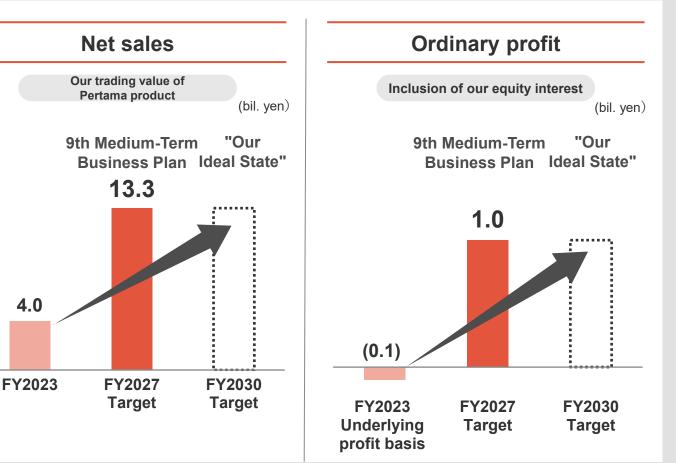
Contributing to the reduction of CO2 Use of Inexpensive Green Power **Prospective Location** emissions in ferroalloy manufacturing by maximizing the use of green electricity Effect of reducing 840 thousand tons-CO2/year compared to manufacturing with thermal power generation J-crediting (¥3,200 /t-CO2) conversion: ¥2.7 bil./year Utilization of electricity from the Bakun Dam Adjacent to India and other (Source: Agency for Natural Resources and Energy, estimated based on our results) Hydropower Station in Sarawak, Malaysia, the Asian countries, which are largest in Asia (2,400MW) expected to grow



Kudumane (12%; indirect investment)

Direction of our medium/long-term business strategy <Enhancing corporate value>

- Establishment of an optimal production system utilizing low-cost green electricity
- To achieve profitability by expanding our transaction value and improving productivity
- Maintaining and expanding our stakes in manganese resources



# 4. Five Business Strategies (2) <Functional Materials>

A lineup of high-performance, high-quality, distinctive materials, and domestically produced one-of-a-kind products in the Japanese market based on our hard-earned metallurgical and powder technologies

#### **Our mission <Solving social issues>**

- Contributing to carbon neutrality and the development of the mobility field
- Reducing geopolitical risks by providing domestically produced one-of-a-kind products in the Japanese market
- Contributing to the development of society by further developing highly functional materials

## **Specific measures** (9th Medium-Term Business Plan)

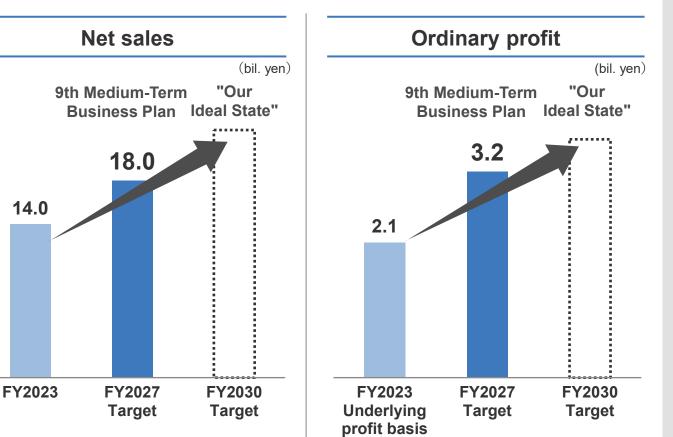
### **1. Expansion of zirconium oxide production**

- 40% increase from existing production volume (scheduled to start operation in 2027) Responding the increased demand for MLCC\* and battery materials due to the further electrification and digitalization of automobiles \*Multilayer ceramic capacitors
- 2. Expansion of domestic and overseas sales of high-value-added, domestically produced one-of-a-kind products in the Japanese market
  - Domestically produced one-of-a-kind products in the Japanese market: Ferroboron, boron oxide, and manganese carbonates

### 3. New product development through R&D

- To enhance added value by developing high-performance zirconium oxide
- To release new battery materials through development and mass production

- Expansion of production capacity in anticipation of increased demand due to the further electrification and digitalization of automobiles.
- Expansion of sales of domestically produced one-of-a-kind products in the Japanese market
- Development of new products using manufacturing technologies for electronic materials and battery materials





Direction of our medium/long-term business strategy <Enhancing corporate value>

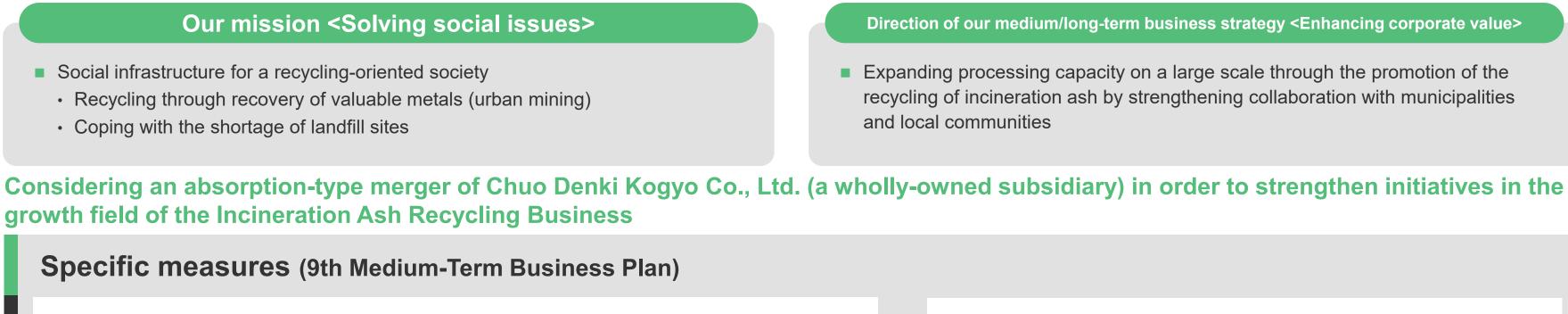
# 4. Five Business Strategies (2) <Functional Materials>

### Market trends surrounding our products and our response

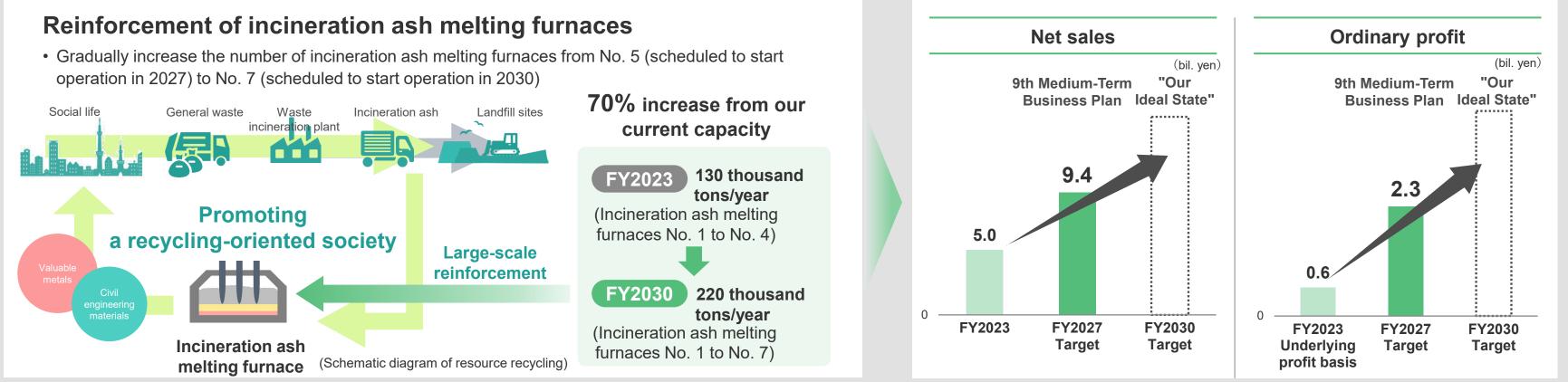
Markets	Applications	Our products	Market position (competition)	Market trends		Our response
		Zirconium oxide	Domestically produced one-of-a- kind product in the Japanese market partly for specific applications	<b>&gt;</b>	Demand for battery material components increased due to the development of the mobility field In addition, demand for electronic components increased due to the development of battery control and advanced communication technologies and the use of electronic components in automobiles	Strengthening production capacity (40% increase)
Advancement of mobility fields	Electrification and digitalization of automobiles	Ferroboron	Domestically produced one-of-a- kind product in the Japanese market (The sole manufacturer excluding China)	/	Increase in demand for neodymium magnets due to the growth of demand for motors for power generation	Expand domestic and overseas sales
nondo		Manganese carbonates	Domestically produced one-of-a- kind product in the Japanese market		Demand for battery material components increased due to the development of the mobility field In addition, demand for electronic components increased due to the development of battery control and advanced communication technologies and the use of electronic components in automobiles	Considering increasing production capacity
	Automotive battery	Cathode materials for lithium-ion batteries	Several companies		Although the automotive battery market is expected to expand, the increase in domestic production is uncertain due to global production competition for secondary batteries	Continuation of OEM (Considering increase depending on the situation)
		Metal hydride alloys	Several companies		For the time being, the demand for nickel hydrogen batteries for HVs remains steady	Continuation of stable production
Solving	Glass panels	Boron oxide	Domestically produced one-of-a- kind product in the Japanese market		Slowdown from peak demand for telework-related products, but expected to remain unchanged due to the demand for larger displays	Continuation of stable production Improvement of profitability
supply chain challenges and strengthening	Electronic components	High-performance zirconium oxide	_		Development and supply of high-performance, high-quality materials that support the sophistication and miniaturization of electronic components thanks to increased demand accompanying the development of advanced communication technologies	R&D • Quality characteristics improvement
	Battery materials	New battery materials	_		Development and supply of new products with improved characteristics (higher capacity, miniaturization, etc.) of battery materials as demand for a wide range of secondary batteries expands in addition to those required for the electrification of automobiles	R&D • Development of next-generation secondary battery materials

# 4. Five Business Strategies (3) < Incineration Ash Recycling>

Possessing the largest melting and solidification capacity in Japan Perfect recycling of incineration ash (recovery of valuable metals + slag resource utilization)



operation in 2027) to No. 7 (scheduled to start operation in 2030)



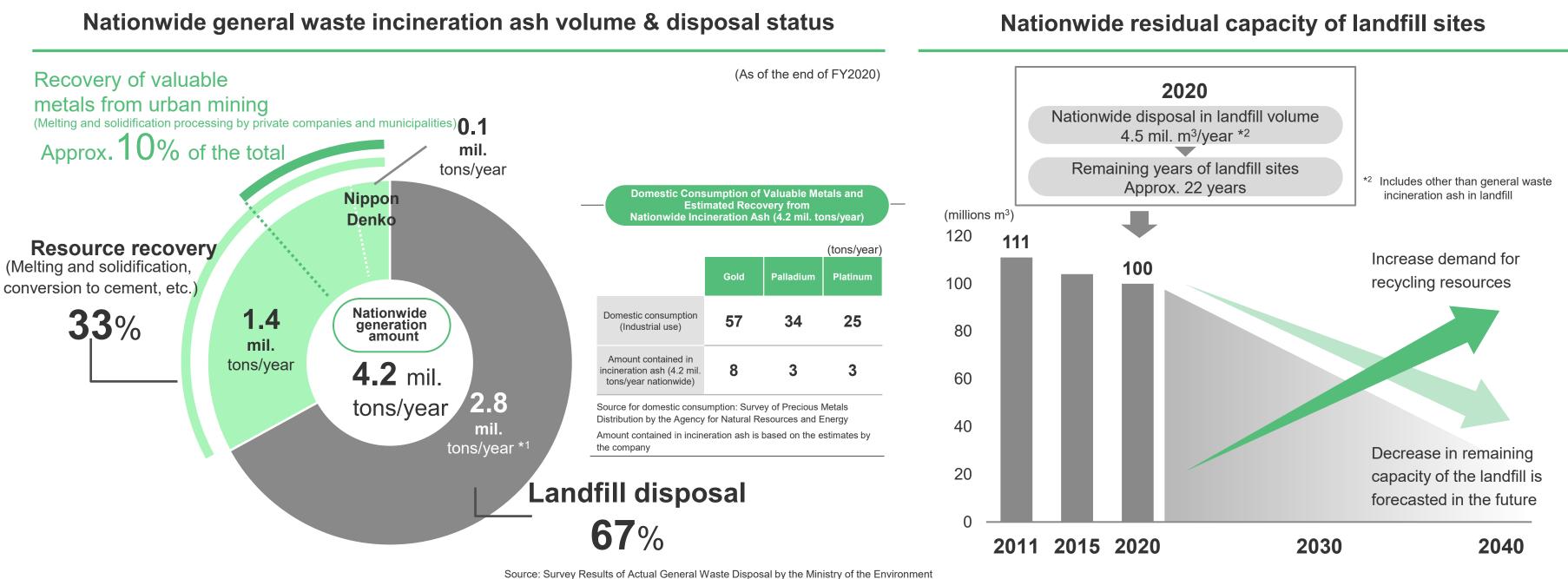
Direction of our medium/long-term business strategy <Enhancing corporate value>

Expanding processing capacity on a large scale through the promotion of the recycling of incineration ash by strengthening collaboration with municipalities

# 4. Five Business Strategies (3) < Incineration Ash Recycling>

### (Nationwide) Amount of general waste incineration ash, and remaining capacity of landfill sites

Demand for resource utilization will increase as the remaining capacity of landfill sites for waste (incineration ash, etc.) will decrease in the future. We will contribute to the creation of a recycling-oriented society through perfect recycling (recovery of valuable metals + slag resource utilization) by our technology for melting and solidifying incineration ash



\*1 (Reference) Amount of disposal in landfill: Approx. 3.5 million m<sup>3</sup>/year

# 4. Five Business Strategies (4) <Aqua Solutions>

### Purification and reuse of wastewater, recycling through the adsorption-type recovery of valuables, and contribution to clean energy

#### Our mission <Solving social issues>

- Contributing to a recycling-oriented society by purifying wastewater and recovering valuable materials
- Contributing to the achievement of a hydrogen society by providing pure water production system

### **Specific measures** (9th Medium-Term Business Plan)

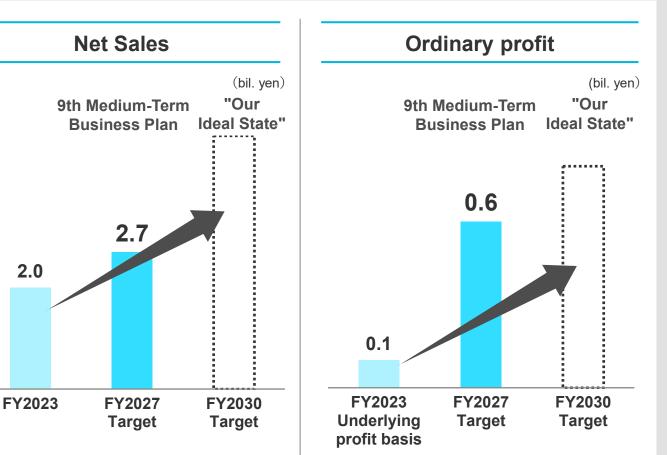
#### **1. Expansion of Wastewater Treatment Business**

- Capacity enhancement of boron-adsorption resin recycling and recovery facilities (scheduled to start operation in 2026)
- Increase in demand for the removal of boron contained in seeping water from landfill sites
- Strengthening the lineup of impurities which can be removed from wastewater by R&D
- Launch of new adsorbents (inorganic adsorbents) through development and mass production
- New product development (capturing the demand for heavy metal recycling)

#### 2. Expansion of sales of pure water production system

- To expand sales for hydrogen stations, methanation, etc.
- To expand sales for biomass power generation (applications: trial operation, maintenance, etc.)

- To expand business by developing new products in anticipation of new demand amid stricter regulations on wastewater
- To expand sales of pure water production system



Direction of our medium/long-term business strategy <Enhancing corporate value>

# 4. Five Business Strategies (5) < Electric Power>

### Stable supply of green electricity through the largest dam in the private sector



## **Specific measures** (9th Medium-Term Business Plan)

- 1. To improve the reliability of power generation facilities based on longterm plans
  - Steady execution of preventive maintenance

#### 2. Response to natural disasters

• Measures to minimize damage during dam overflow caused by heavy rains

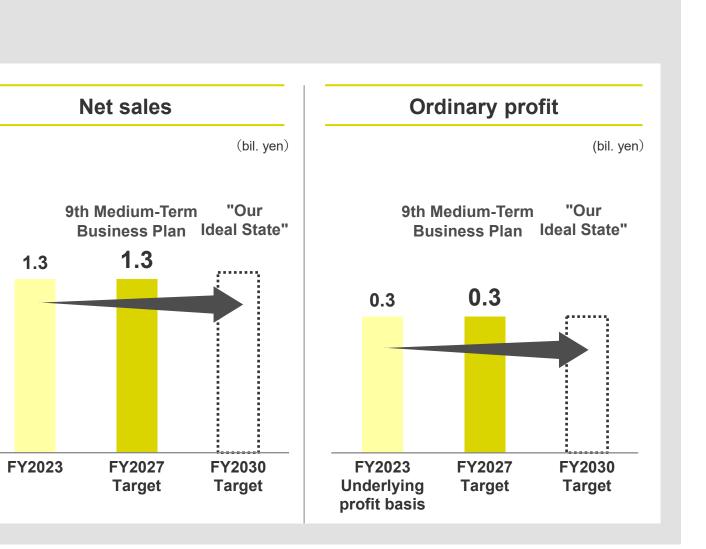
#### 3. Utilization of environmental value in hydropower generation

- Leveraging our FIT non-fossil certificates with tracking, derived from our hydroelectric power, we contribute to our company's overall carbon neutrality
- Collection of information on renewable energy development projects such as hydroelectric power generation of other companies

#### Five Business Strategies

Direction of our medium/long-term business strategy <Enhancing corporate value>

Creation of further value after FIT (after 2037) while utilizing a stable earning

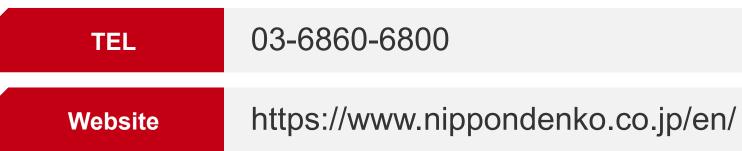


# Summary of Medium/Long-Term Plan

1. Summary					
"Our Ideal State" in 2030	"A company on a constant quest for a better future by supporting people's lives through materials and the environment"				
Basic Policy	Balancing "Solving social issues through business activities" and "Enhancing corporate value through sustainable growth"				
Four Targets for Realizing "Our Ideal State"	<ul> <li>Growth Strategy</li> <li>To Improve and Stabilize Profitability</li> <li>Financial Strategy</li> <li>Sustainability-Related Measures</li> </ul>				
2. Projections (consolidated)					
	<b>Projection for FY2027</b> (9th Medium-Term Business Plan)* <sup>1</sup>	"Our Ideal State" in 2030	(Ref.) Projection for FY2023		
Net sales	<b>¥95.0</b> bil.	<b>¥110.0</b> bil. or larger	¥78.0 bil.		
Ordinary profit	¥10.0 bil.	<b>¥13.0</b> bil. or larger	<b>¥2.5 bil.</b> Underlying profit basis*2: <b>¥5.7</b> bil.		
ROE	10%	10% or higher	<b>4%</b> Underlying profit basis*2: <b>7%</b>		
	*2 Earnings excluding inventory impact and one-time factors				

# **NIPPON DENKO**

## General Affairs Department, Nippon Denko Co., Ltd.



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