

# FY03/2023 Financial Results

For the year ended March 31, 2023

## FUSO CHEMICAL CO., LTD.

May 17, 2023 Prime market (4368) Tokyo Stock Exchange, Inc.



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- I . Financial Summary Results for FY03/2023 (period April 1, 2022 – March 31, 2023)
- II. Segments Results
  - Life Science
     Electronic Materials & Functional Chemicals
- III. Medium-Term Management Plan
- IV. FY03/2024 Outlook (period April 1, 2023 – March 31, 2024)



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# I. FY03/2023 Financial Summary

(Period April 1, 2022 – March 31, 2023)

# Consolidated Financial Results for the Fiscal Year Ended March 31, 2023 (FY03/2023)



	FY03/2023	vs FY03/2022			Budget disclosed in May.2022			Budget disclosed in Sept.2022		
(unit : 100 millions of yen)	FTU3/2023	FY03/2022	YoY	YoY ratio	Budget	Change	vs budget	Budget	Change	vs budget
Net sales	684.5	557.6	+126.9	+22.8% 7	662.0	+22.5	+3.4%	685.0	∆0.4	△0.1%
Operating profit	189.3	150.3	+38.9	+25.9% 7	156.5	+32.8	+21.0%	171.0	+18.3	+10.7%
Ordinary profit	197.4	155.0	+42.3	+27.3% 7	157.0	+40.4	+25.7%	181.0	+16.4	+9.1%
Profit attributable to owners of parent	141.2	108.9	+32.3	+29.7% 🗡	108.0	+33.2	+30.8%	125.5	+15.7	+12.6%
EBITDA	232.6	194.8	+37.8	+19.4% 7	203.5	+29.1	+14.3%	217.5	+15.1	+7.0%
Earnings per share	¥400.9	¥308.0	¥92.8	+30.1% 7	¥306.4	¥94.4	+30.8%	¥356.0	¥44.8	+12.6%

Achieved record sales and profits.

#### Sales & Profit by segment

versus previous year FY03/2022

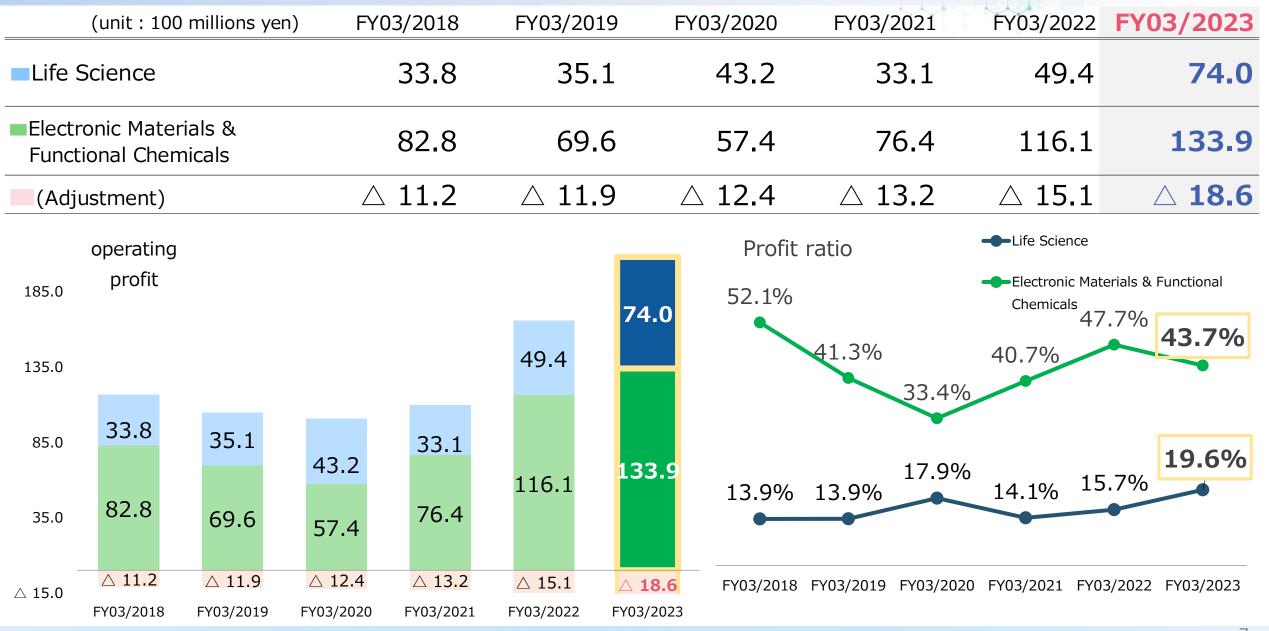
		FY03/2023	vs FY03/2022				
(unit:	100 millions of yen)	1105/2025	FY03/2022	change	Ratio		
Life Science	Net sales	378.0	314.3	+63.7	+20.3% 7		
	Operating profit	74.0	49.4	+24.6	+49.9% 7		
Electronic Materials &	Net sales	306.5	243.2	+63.2	+26.0% 7		
Functional Chemicals	Operating profit	133.9	116.1	+17.8	+15.3% 7		
(Adjustme	nt)	△18.6	△15.1	∆3.5			
Operating pfofit (co	onsolidated)	189.3	150.3	+38.9	+25.9% 7		

## Net Sales by Segment

(unit:100	millions yer	ר) F	-Y03/2018	FY0	3/2019	FY03/2	2020	FY03/	202	1 FY	03/2022	FY03/20	023
Life Scien	се		243.1	-	252.0	24	1.2	23	84.1	_	314.3	378	8.0
Electronic N Functional			159.0	-	168.6	17	1.9	18	87.9	)	243.2	306	6.5
800.0 700.0									US 202	O VISI 5	ON	684.5	
600.0										557.6			
500.0	402.2		420.7		413.1		422					378.0	
400.0										314.3			
300.0	243.1		252.0		241.2		234.1						
200.0													
100.0	159.0		168.6		171.9		187.9			243.2		306.5	
0.0	FY03/2018		FY03/2019		FY03/2020		FY03/2021	Copyrig	ght©20	FY03/2022	al Co.,Ltd. All Ri	FY03/2023 ghts Reserved.	6

## **Operating Profit by Segment**

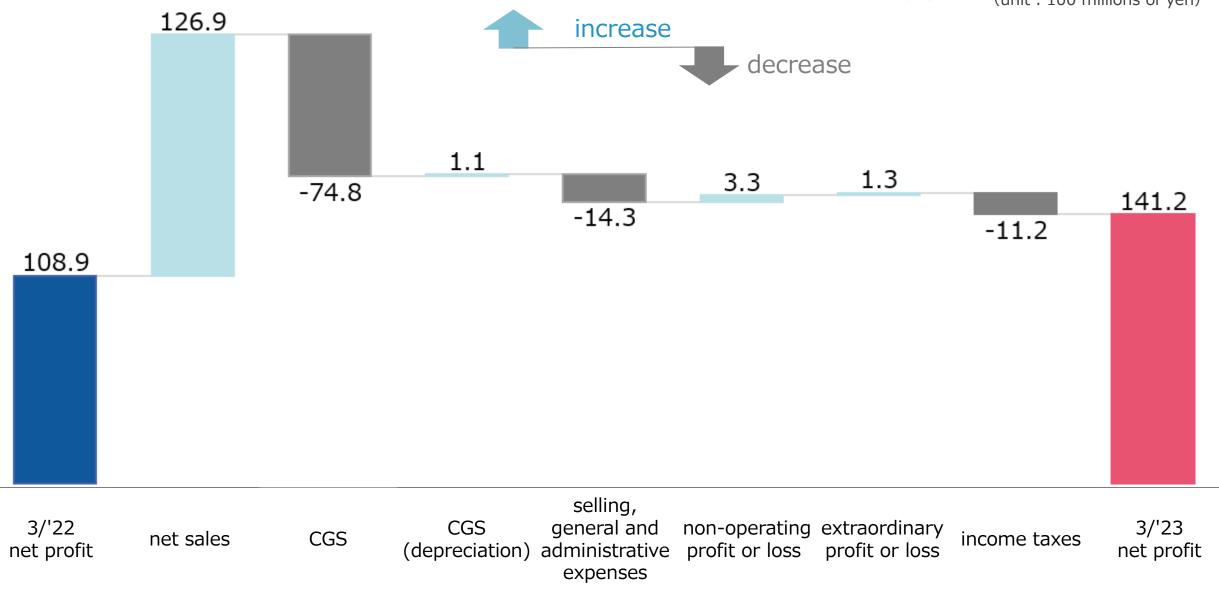
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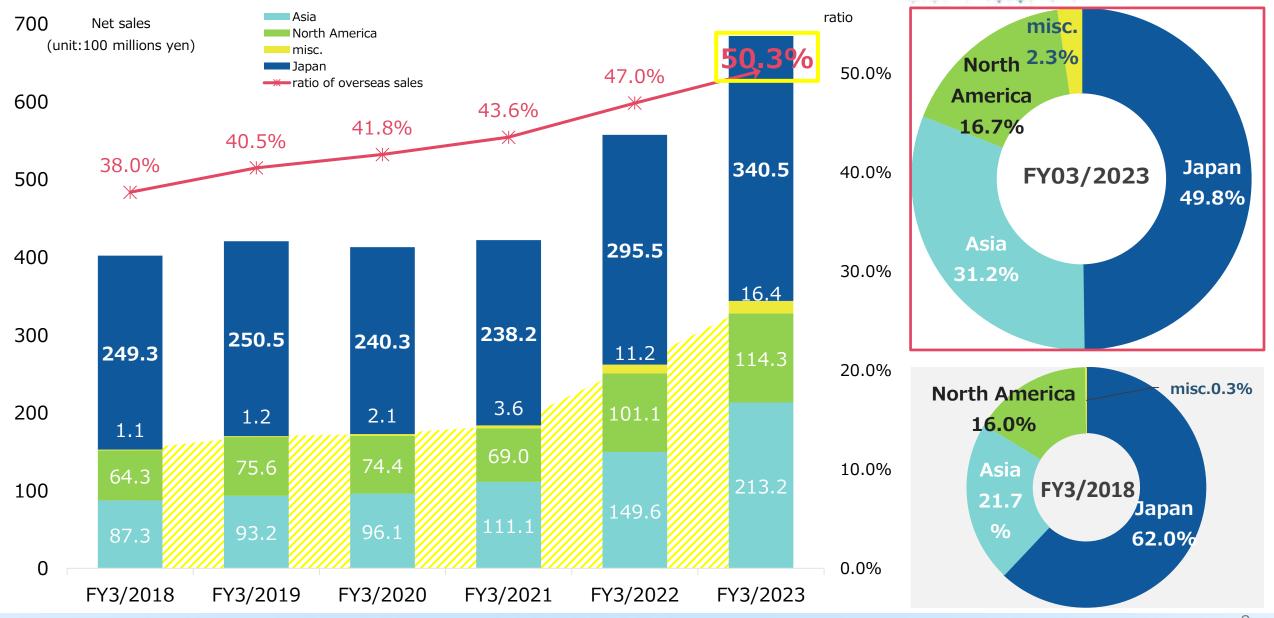
## Net Profit Analysis FY03/2022 versus FY03/2023

(unit : 100 millions of yen)

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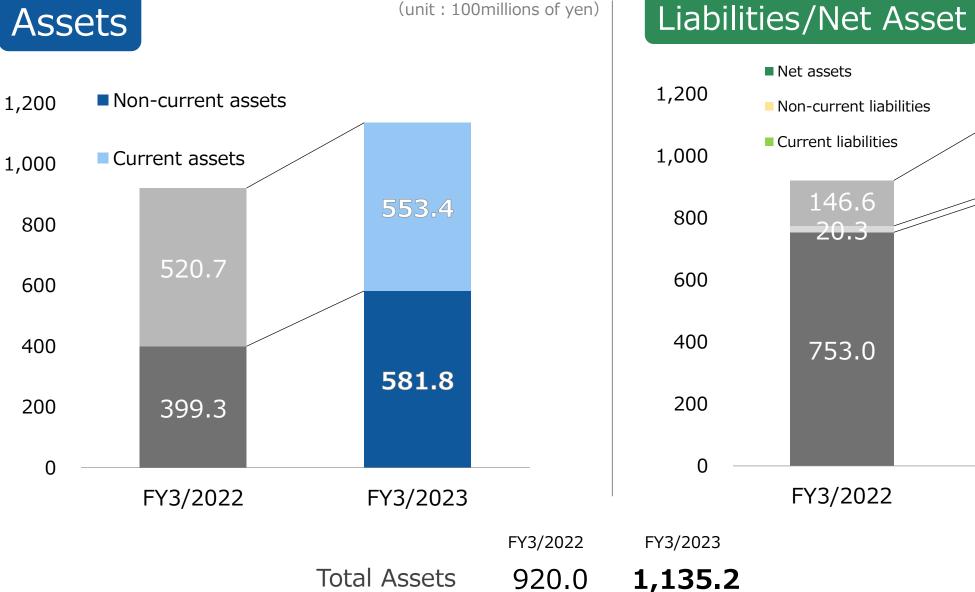
## **Overseas Sales Growth**

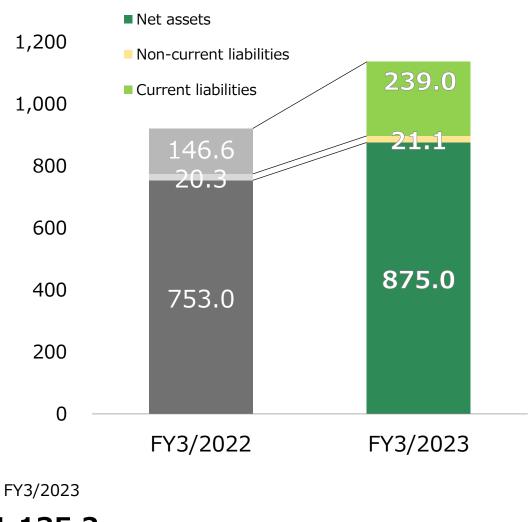


## Assets, Liabilities and Net Assets

(unit : 100millions of yen)

(unit : 100millions of yen)





## **Consolidated Balance Sheet**

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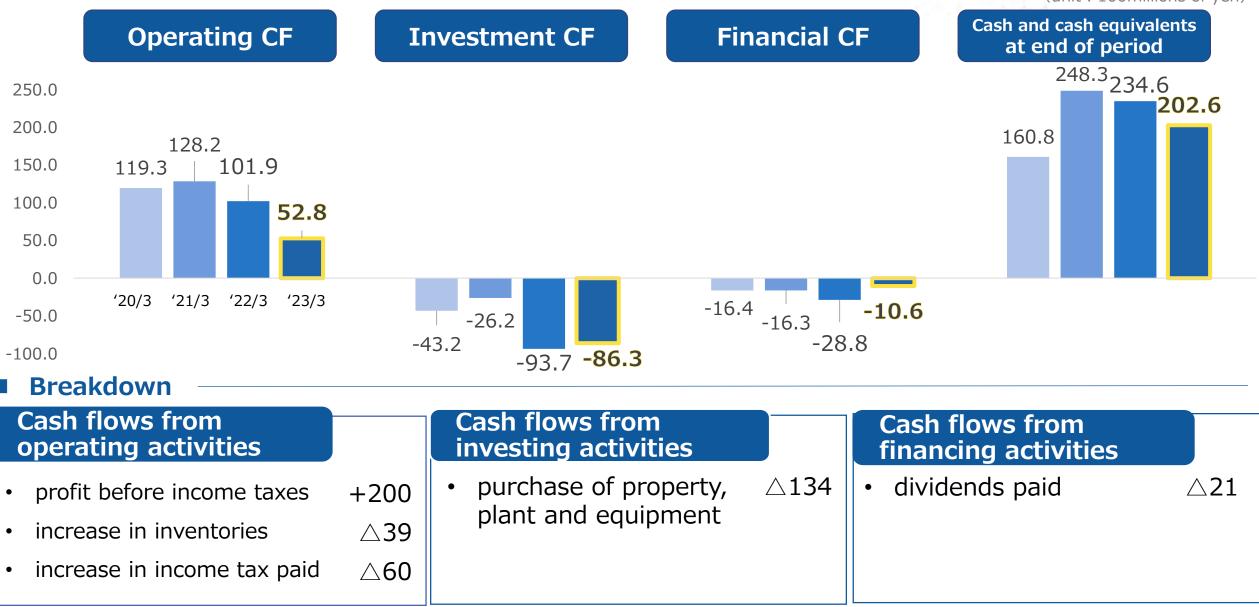
Current assets	YonY +32	YonY +93	Liabilities
<ul> <li>Increase in inventory assets</li> </ul>	553.4	239.0 21.1	Current liabilities (YonY +90.3) • Increase in facilities accounts payable
	555.4		Non-current liabilities (YonY +0.8)
Non-current assets	1,1	assets 35.2 +215	<ul> <li>Increase in retirement benefit liability</li> </ul>
• Increase in construction in progress	<b>581.8</b> YonY + 182	<b>875</b> YonY + 122	Net assets • Increase in retained earning

(unit: 100 millions yen)

## **Consolidated Statements of Cash Flows**

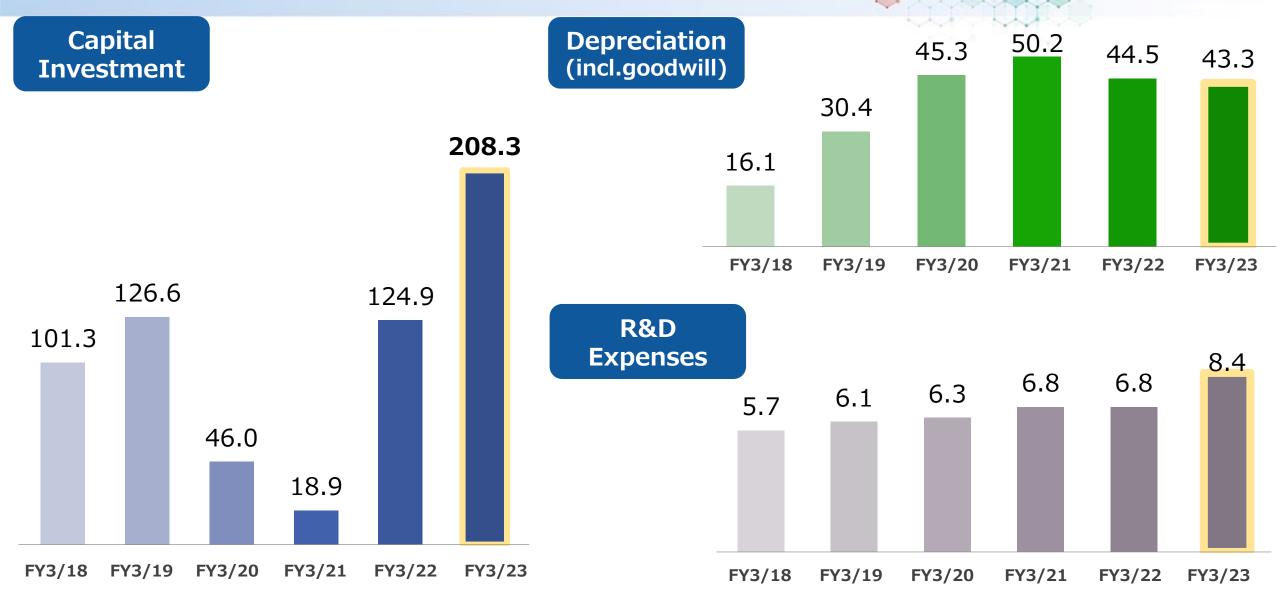
(unit: 100millions of yen)

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## Capital Investment/Depreciation/R&D Expenses

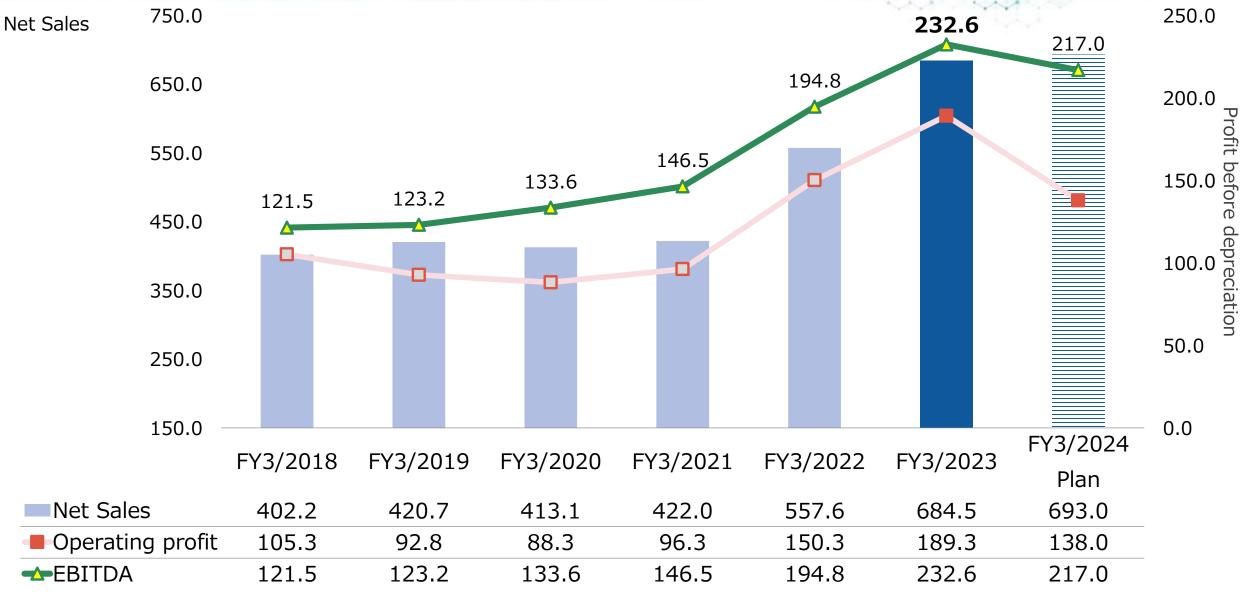
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(unit: 100 millions of yen)

## **Operating Profit and EBITDA**





(unit : 100 millions of yen)

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# II. Segments Results

## **Business**

# FUSO

#### Life Science

- Malic acid
- Citric acid
- Gluconic acid
- Fumaric acid
- Vitamin C
- Food additive formulations
- Other acid
  - (Succinic acid, Lactic acid, Tartaric acid)
- Maleic anhydride
- Other fruits acid derivatives

#### Electronic Materials & Functional Chemicals



- Silica derivatives
  - Ultra high purity colloidal silica
  - High purity organo silica sol
  - Silica nano powder
  - Alkyl silicate
- Other functional chemicals













#### II. Segments Results

# Life Science

## Life Science Overview

		Net sales		(unit: 100 million y Operating profit			
		+20 314.3	0.3% 378.0	+4 49.4	9.9% 74.0		
factor		FY03/2022	FY03/2023	FY03/2022	FY03/2023		
Sales Volume	<ul> <li>(+) Stable sales of final (-) Weak sales for late (-) Slowdown in der (+) Maintain overseat customers</li> </ul>	arge-scale public wo mand for industrial	applications in 2H	<ul> <li>(+) Steady domestic</li> <li>(+) Business recover</li> <li>(-) Economy slowdov</li> <li>(+) New markets dev</li> <li>Southeast Asia, E</li> </ul>	y from COVID-19 wn of China velopment	1	
Price	<ul><li>(+) Price revision du</li><li>(+) Increase Japane</li><li>overseas subsidi</li></ul>	se yen conversion b		<ul> <li>(-) Persistently high</li> <li>(-) Increase in stock</li> <li>(+) Gluconic acid, pr</li> </ul>	goods price, citric	c acid etc.	
Others		confusion caused b ers' proper stock an s remarkable price	nount, because	(–) Sales adjustment imported	t by the delay of g	oods	

(1) Malic acid (2) Citric acid (3) Gluconic acid

II. Improve efficiency through restructuring of production system Osaka Factory and Kashima Plant

## **III.** Expand FFA business

coated fruits acid next-generation product stress-free formulation

What is FFA ?

Functional Fruits Acid

Formulation of Food Additives

Formulation of Food Materials and Food Additives Functional Food Material and Food Additive Functional Fruits Acid

# Phase\_1 FUSO realized to…

- take over the organic acid business (sales & marketing) from Mitsui Chemicals, Inc.
- transfer production of maleic anhydride and fumaric acid
- establish our own "Kashima Plant"
- make an integrated production system from raw materials inputs to finished product (malic acid)
- manufacture malic acid stably in Kashima Plant
- increase utilization rate due to overseas sales expansion
- shift Osaka Factory to multi-functionalized plant
  - restructure domestic production base

# Phase\_2 FUSO plans to…

increase utilization rate of malic acid production facilities to reduce costs

- expand overseas business and take further market share
- continue to sell to priority customers
- focus on in-house production of high purity fruit acid
- strengthen sales of FFA
- expand fruit acids overseas business by using malic acid'sales network
- enhance production, sales and technology in each area

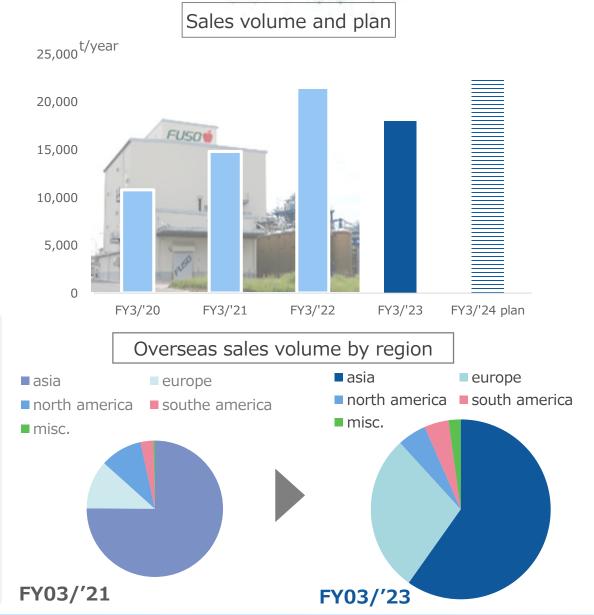
#### Malic acid and derivatives

[FY03/'23 Results]

- Amount of production increase through the year (Kashima plant)
- Acquisition of new customers
- Slowdown after overseas business expansion
- Price adjustment situation, after passing the top of the raw materials price

## [FY03/'24 Plans]

- Maintenance high productivity of malic acid mainly in Kashima
- Improvement of process bottleneck, increase in production and cost reduction
- Reinforcement and expand sales network
- Sales of coated fruit acid M85 and M90 as FFA



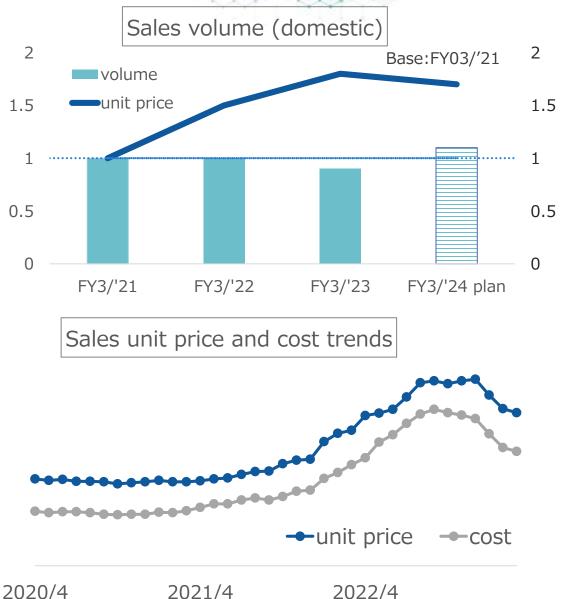
#### Citric acid and derivatives

[FY03/'23 Results]

- Demand recovering from COVID-19 (beverage etc.)
- Price revision(5 times) while maintaining market share
- Disappearance of the demand for large-scale public works by last year shipment
- Certain procurement materials in cooperation with Qingdao FUSO

[FY03/'24 Plans]

- Quick response by the trend of the market condition
- Share up by the sales for beverage and detergent
- In-house production of ultra high purity citric acid



#### Gluconic acids and derivatives

[FY03/'23 Results]

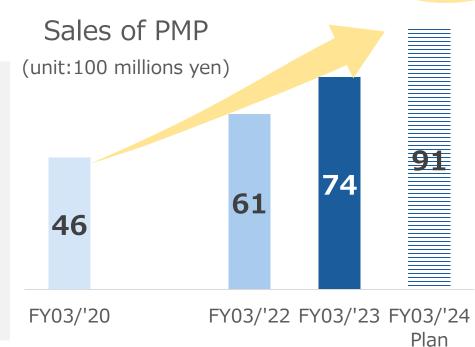
Use	Domestic	North America
Industrial	<ul> <li>slowing down</li> </ul>	<ul> <li>demand expansion for agriculture and concrete</li> </ul>
Food	<ul> <li>steady</li> </ul>	• steady

PMP: production at full capacity, shortfall in inventory

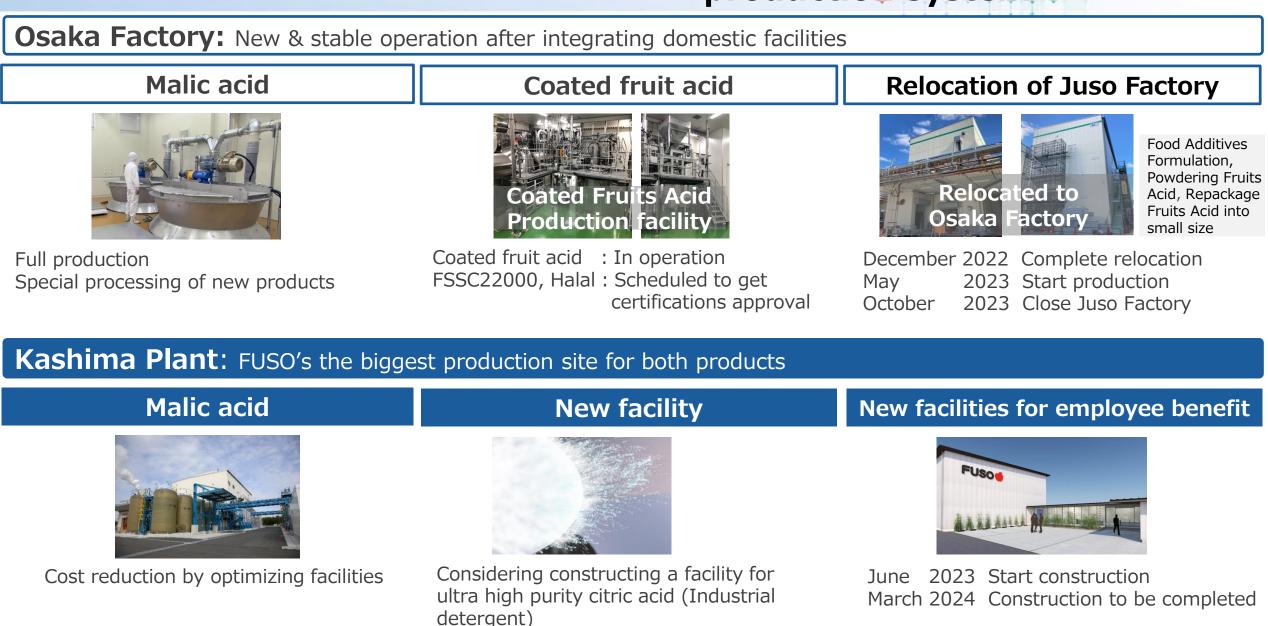
## [FY03/'24 Plans]

- Price revision with rise in raw material and purchasing costs
- Facility expansion in PMP (scheduled to start production in 11/'23)
- Recovery of the market share in North America from 2<sup>nd</sup> half of FY2023
- Extending business of HELSHAS (potassium gluconate)





#### I. Improve efficiency through restructuring of production system FUSO



## **III.** Expand FFA business





Coated fruit acid

#### [FY03/'23 Results]

- Prepared line up M95, M80, C95, C80, V80
- Adopted by major confectionery makers
- Adopted by major bakery makers
- Under samples evaluation (over 100 companies)
- Under consideration for adoption (over 20 companies)

#### **[FY03/'24 Theme]**

- Adopted by over 20 companies
- Launch a new concept of FFA formulation using coated fruit acid
- Develop non-oil coated fruit acid
- Scheduled to gain FSSC22000 certification in May

#### [FY03/'23 Results]

Powdering acetic acid Soluble fumaric acid Next-generation Gluten-free food formulations New cooked rice formulations Under samples evaluation for adoption (over 10 companies)

#### **[FY03/'24 Theme]**

product

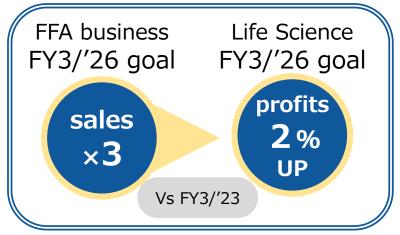
- Adopted by over 20 companies
- Establish mass production system
- Launch further new products

#### **Stress-free** formulation

- **[FY03/'24 Theme]**
- Broaden the range of use
- Increase the number of product adoption
- Analyze a detailed mechanism

#### [FY03/'23 Results]

- Reduce damage to rice plant due to high temperatures
- Prevent damage to tomato and broccoli due to high temperatures in summer





#### II. Segments Results

# **Electronic Materials & Functional Chemicals**

# Electronic Materials & Functional Chemicals summary

	Image: Constraint of the second se	et sales +26 243.2	.0% 306.5	Operating profit +15. 116.1	(unit : 100millions of yen) <b>3%</b> 133.9
factor Sales Volume	<ul> <li>(+) Response to demain</li> <li>(+) Demand slowdown</li> <li>(+) Maintain strong demain</li> <li>(+) Increase in inventor</li> <li>in response to logi</li> </ul>	for memory, line mand for cutting ory level for each	mited for logic g-edge semiconductors	FY03/2022 (+) Production at full of increase in numbe (+) Mass production at for each product	r of operating days
Price	<ul> <li>(+) Price review due to</li> <li>(+) Increased sales of</li> <li>(+) Decline in the Japa</li> </ul>	new and value-a	in raw material cost added ciation of the ¥ against US\$)	<ul> <li>(-) Surge in raw mate</li> <li>(-) Energy and materi</li> <li>(-) Personnel increase</li> <li>facilities</li> </ul>	al costs
Others	(+) Increase in sales o	f functional cher	nicals	(–) Increase in selling, administrative exp	-

Product supply ability compatible with cutting-edge technology How to minimize business risk in the semiconductor business from a medium-to-long-term perspective

## **II**. Establish a new production system

Complete customers' line certification with no delay Stable supply from two production site from Kyoto and Kashima

## **III.** Respond to Changes in the External Environment

Quick action against the risks of supply chain Price revision in case of sharp rise in energy costs etc.

## **IV.** Develop new business

Next-generation materials that create new added value



Forecast FY03/'24 -----

- Facilities expansion of major semiconductor manufacturers to be completed from FY2025
- Forecast the market adjustment continues till 3 4Q of FY03/'24
- Expect negative growth year-on-year in FY03/'24
- Launch the silica production lines for 3nm node
- Promote mass production for 2nm node in FY2025

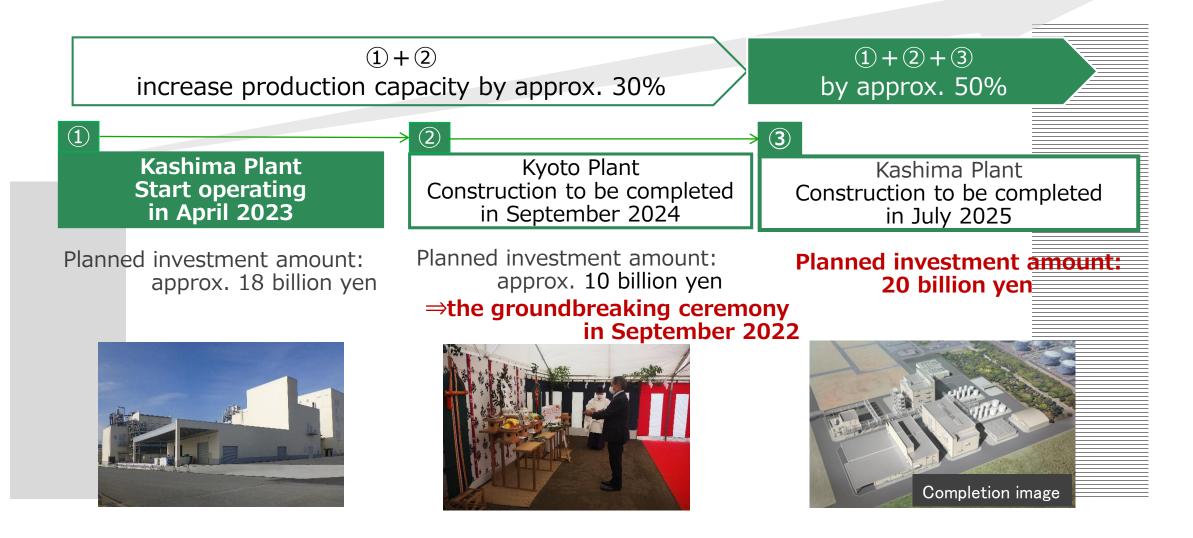
Geopolitical risks –

• Review the supply chain on a global scale

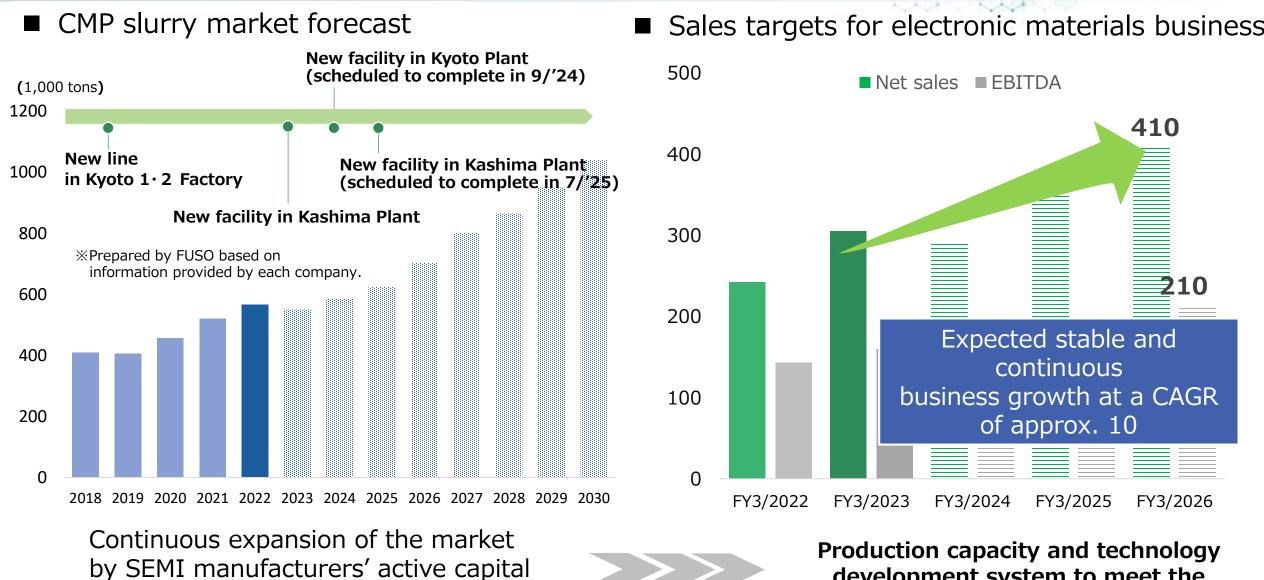


- Strong demand due to increased date transmission
- Increase in demand owing to technological innovation in the vehicle and other industries
- Work closely with customers for further miniaturization

Ultra High Purity Colloidal Silica production capacity



investments (2022-2030 CAGR8%)



# development system to meet the expansion of demand

## **II.** Establish a new production system

Stable operation of new facility in Kashima Plant

- 4/'23: Complete construction 5/'23: Start trial production
- Certification by customers
- 8/'23: Start mass production
- 10/'23~: 50% operating rate [target]

Constant efforts to improve production efficiency

- ✓ Optimize management of products, raw materials, and production process
- $\checkmark$  Increase operating days
- ✓ Produce each grade more efficiency
- ✓ Collect data to secure more stable quality

#### Catch up on customer trends

FUS

 ✓ Understand market trends at an early stage

- Provide the quality customers demand
- ✓ Target to be adopted by customers' next generation products
- ✓ Study for the future business possibilities for the Chinese market
- Prepare for market trend recovery (build up proper inventry)

#### Continuing stable supply of Ultra High Purity Colloidal Silica

## **III.** Respond to Changes in the External Environment





#### Purchasing/Logistics/Sales

- Increase in procurement volume as production capacity expansion
- Rising raw material costs
  - price revision
  - cost reduction by buying power
- Escalating energy costs
  - improve production efficiency and price revision
- Measures of purchasing risks
- Development and expansion of the delivery bases



## BCP

- Production at 3 plants in 2 bases (Kyoto & Kashima)
- Geopolitical risks minimization (purchasing raw materials from multiple countries)
- Establishment and renewal BCP plan



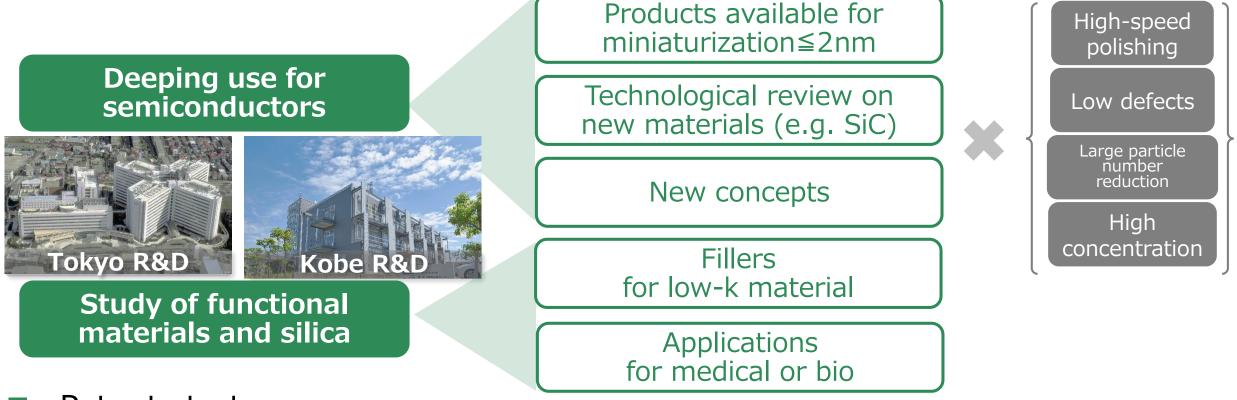
#### others

- Planning a mid-to-long-term capital investment toward 2030
- Employment and training
- Commit to SDGs
- Launch newly developed products as early as possible



## **IV.** Develop new business

- Two R&D bases
- Reinforcement of technological development through academia-industrial partnerships, academic conferences, patent activities
- Strengthening of recruiting activities using intern



## Patent strategy

- Other companies' patents : Identify various factors and measure business risk
- Own patents : Focus on promoting patent applications/acquisition of rights

## FUSO VISION 2025 [Original Plan]

To create FUSO that contributes to the solution of social issues

Management Policy

**Original** 

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01. Integrating growing demand into existing businesses and responding steadily thereto

- 02. Investing in and exploring new businesses and fields
- 03. Reinforcing the management base to support sustainable growth (SDG initiative)

Management target (FY3/2026)

# Net Sales 58.0 Operating Profit 14.0 EBITDA 20.0

(unit : billion of yen)

#### Summary of "FUSO VISION 2025" (FY3/2022~FY3/2026)

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## <FY3/2022~FY3/2023 : Dramatic change in the economy and business environment>

- COVID-19 pandemic spread
- Rapid expansion of semiconductor industry
- Skyrocketing crude oil and raw material price
- Risks aversion by the distribution network confusion
- Customers' inventory level up

- Lengthening of "Russia's invasion of Ukraine"
- Lockdown in Shanghai
- Accelerated inflation and economic deterioration in the U.S. and Europe
- Delayed adaptation to the new normal in Japan
- Exchange rate : sudden weak in yen's value

	exchange rate (1\$=JPY)								
~	May 2021	JPY 107							
	FY3/2022	JPY 112							
	FY3/2023	JPY 135							

FY3/'23 (2<sup>nd</sup> year)

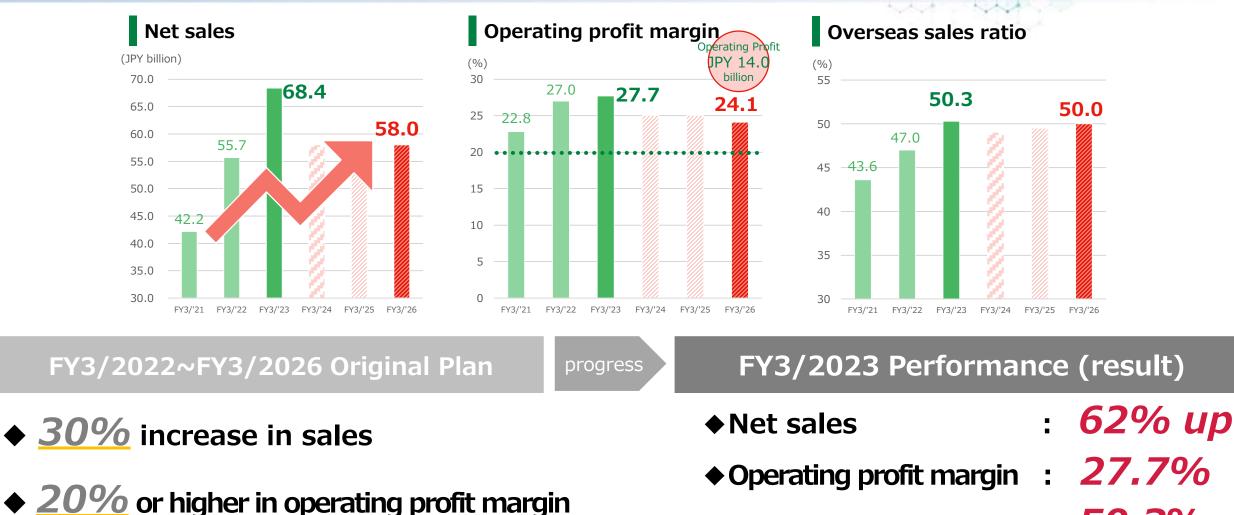
FY3/'22

(1<sup>st</sup> year)

# Progress for two years (FY3/2022~FY3/2023)

♦ 50% ratio of overseas sales





♦ Overseas sales ratio

: **50.3%** 

**↑** Exceeded the original targets



Net Sales 85.0 Operating profit 19.0 EVITDA 30.0

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# IV. FY03/2024 Forecast

(Period April 1, 2023 - March 31, 2024)

### Earnings Forecast



#### FY3/2023 Result

#### FY3/2024 Assumptions

- Annual exchange rate of ¥135
- Price of benzene
   1,038\$/t(\*ACP from ENEOS)
- Steep rise in utility costs
- Slowdown in the semiconductor market

- Record high result in both sales and profits
- Price revision
- Increase in overseas sales ratio

#### • Annual exchange rate of ¥130

- Price of benzene :  $\triangle 10\%$  (vs the previous year)
- High price in raw materials
- Moderate rise in utility costs
- Adjustment phase of semiconductor market
- Recovery of the Chinese market

#### FY3/2024 Plan

Net sales	Operating Profit	Profit attributable to owners of parent	EBITDA
FY3/	FY3/	FY3/	FY3/
2023 684	2023 189	2023 141	2023 232
+1.2%	△27.1%	△33.1%	△6.7%
693	138	94	217

(unit: 100 millions of yen)

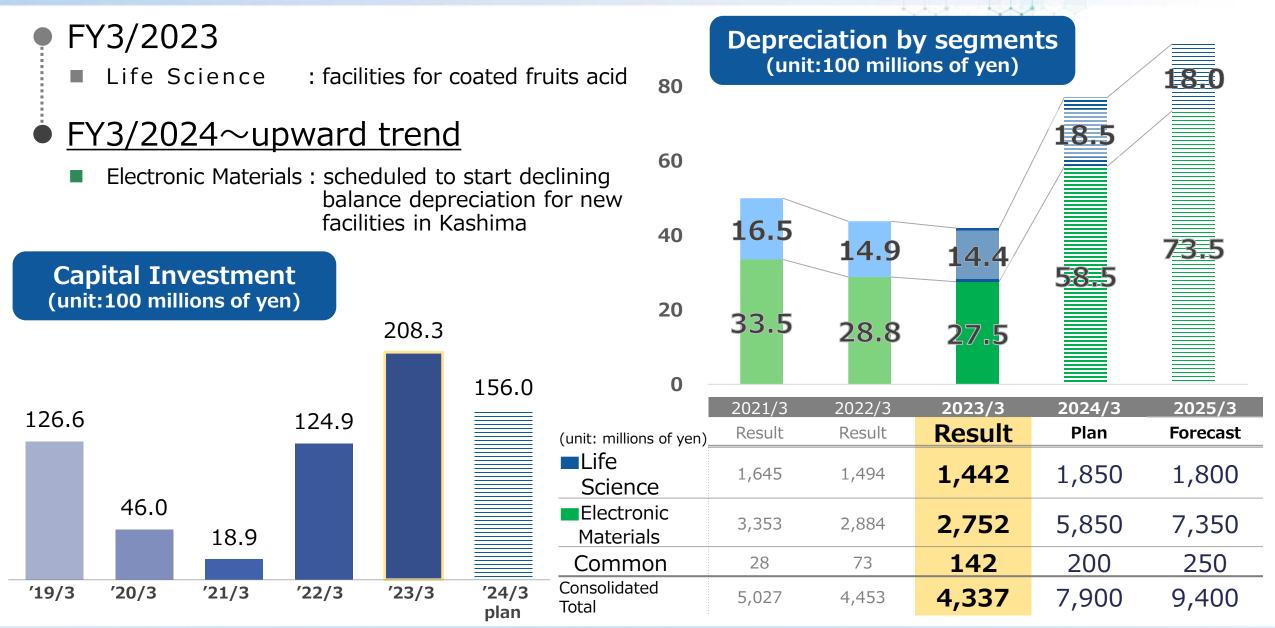
## Forecast for a Full-year of FY03/2024



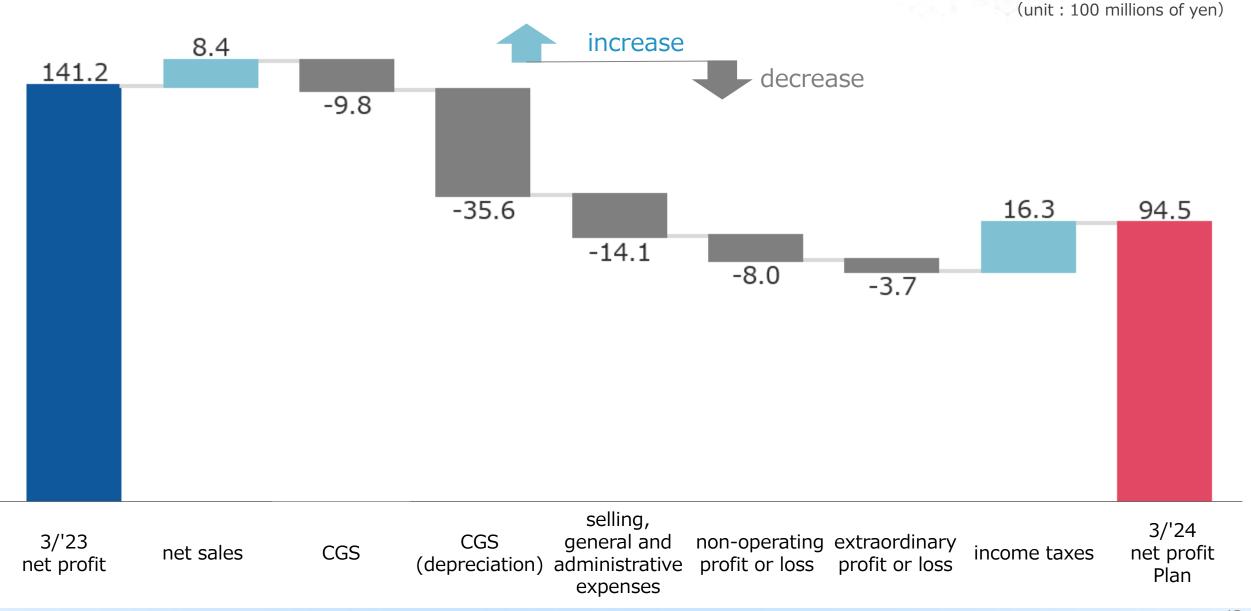
	<u>1H Result</u>		<u>Full year budget</u>			
(unit : 100 millions of yen)	FY3/2024 1H	vs 1H FY3/2023	1H FY3/2023	FY3/2024	vs FY3/2023	FY3/2023
Net sales	336.0	<b>∆5.0% ∖</b>	353.5	693.0	1.2% 7	684.5
Life Science	200.0	3.2% 🖊	193.7	395.0	4.5% 🖊	378.0
Electronic Materials	136.0	△14.9% 🍾	159.8	298.0	△2.8% 🍾	306.5
Operating profit	71.0	△25.9% ↘	95.7	138.0	△27.1% ↘	189.3
■Life Science	34.0	1.6% 🗡	33.4	68.0	△8.2% 🍾	74.0
Electronic Materials	49.0	△31.5% 🍾	71.4	94.0	△29.8% 🍾	133.9
(Adjustment)	△12.0		△9.1	△24.0		△18.6
Ordinary profit	71.0	∆ <b>34.0% ∖</b>	107.5	138.0	∆ <b>30.1% ∖</b>	197.4
Profit attributable to owners of parent	48.5	∆35.5% ↘	75.1	94.5	∆ <b>33.1% ∖</b>	141.2
EBITDA	101.5	△12.7% ↘	116.2	217.0	<b>∆6.7% ∖</b>	232.6
Earning per share (EPS)	¥137.6	△35.5% ↘	¥213.2	¥268.1	∆ <b>33.1% ∖</b>	¥400.9

## Forecast for Depreciation

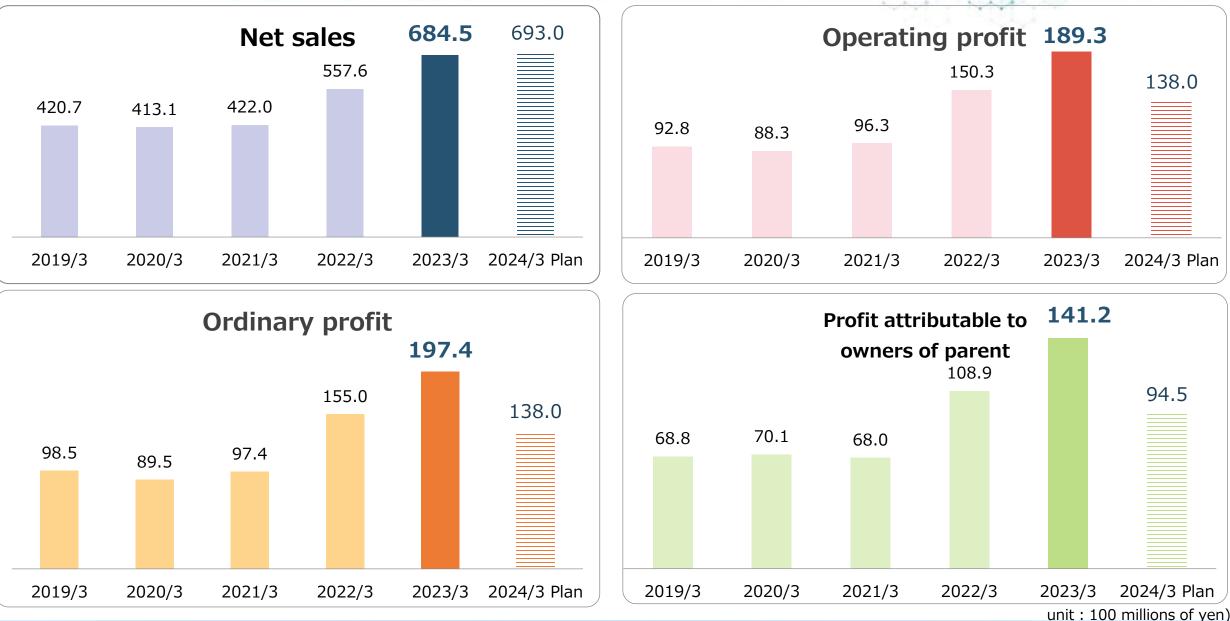
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# Net Profit Analysis FY03/2023 versus FY03/2024(Plan) FUSO



### **Business Performance and Plan**



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# Sustainability





• December 2022 : 1<sup>st</sup> release

We will continue to update and disclose annually.



10 directors including 4 independent outside directors (meet guideline of Tokyo Stock Exchange)

We will take steps to reinforce management supervisory and improve our governance structure.



• January 2023:

New layout of Tokyo Head Office

Flexible job style:

fice

Free-address system, Remote working, Flexible time, etc. Employees can voluntarily choose working place and time.

September 2023: scheduled Osaka Head Office relocation

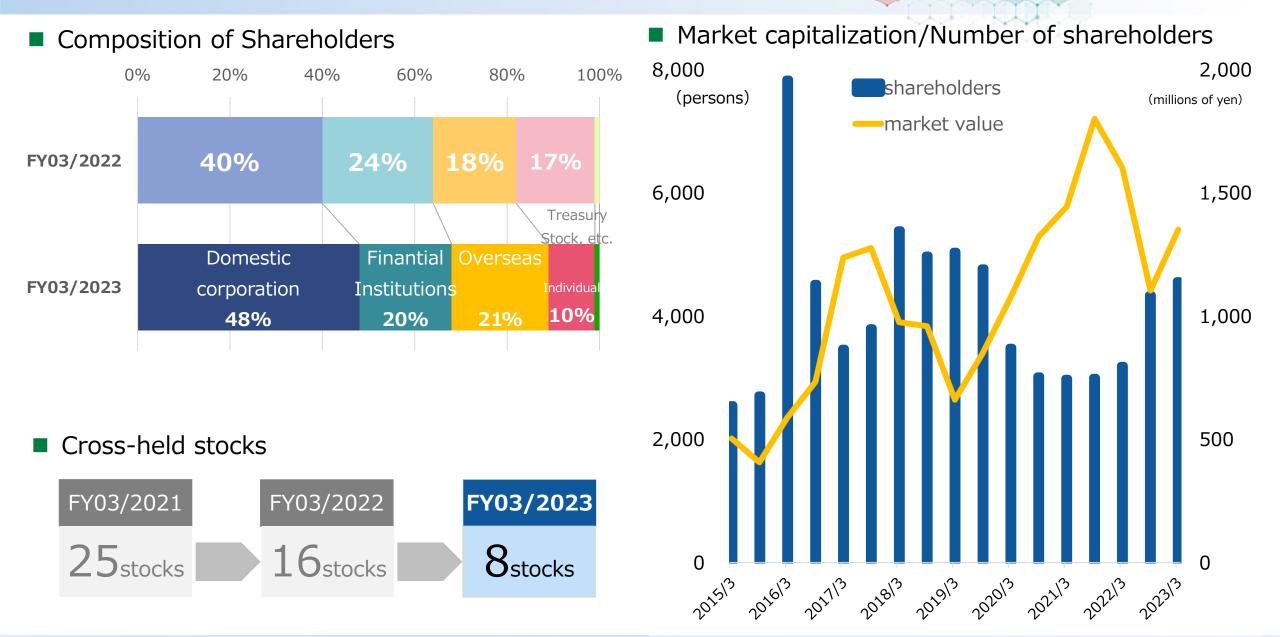
# New Action plan

- Create an environment where one, regardless of gender, can work in confidence for a long time
- Promote diverse work styles

Based on the act on promotion of women's participation and advancement in the workplace (2023/4/1– 2026/3/31)

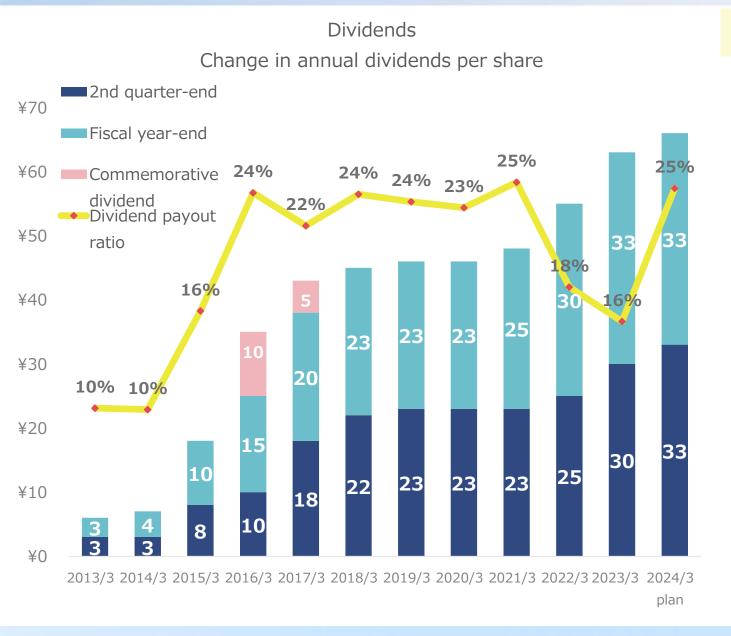
Target1	Percentage of female workers among full-time employees	Above 18%
Target2	Percentage of females workers among management levels	Above 12%
Target3	Percentage of male's taking child-care leave	Above 10%

### **Stock Information**



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### **Return to Stockholders**



### Plan to increase dividends

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FY03/2024 Forecast

➡Cash dividends	¥ <b>66</b>
2 <sup>nd</sup> Quarter-end	¥ <b>33</b>
Fiscal year-end	¥ <b>33</b>

#### FY03/2023 : dividends increase

¥63
¥30
¥33

Basic policy

Stable and continuous dividend payments considering performance, business plans, financial strength, and other factors



The descriptions and figures stated in this material regarding the future outlook are based on information obtained from our group companies as of the present time as well as certain assumptions deemed to be reasonable. However, due to risks and other variables, we cannot guarantee the attainment of the targets stated herein. In addition, the actual performance may greatly vary in accordance with the economic climate surrounding the business, demand trends, exchange rate movements and other various factors.