### FY2022-FY2024

# Corporate Business Plan

**Change and Innovation** 

~ with the **POWE** of Chemistry ~





### Today's agenda

# I Overview of the Current Corporate Business Plan (FY19-21)

- 1 Business performance
- 2 Progress on major action plans

### **■ New Corporate Business Plan (FY22-24)**

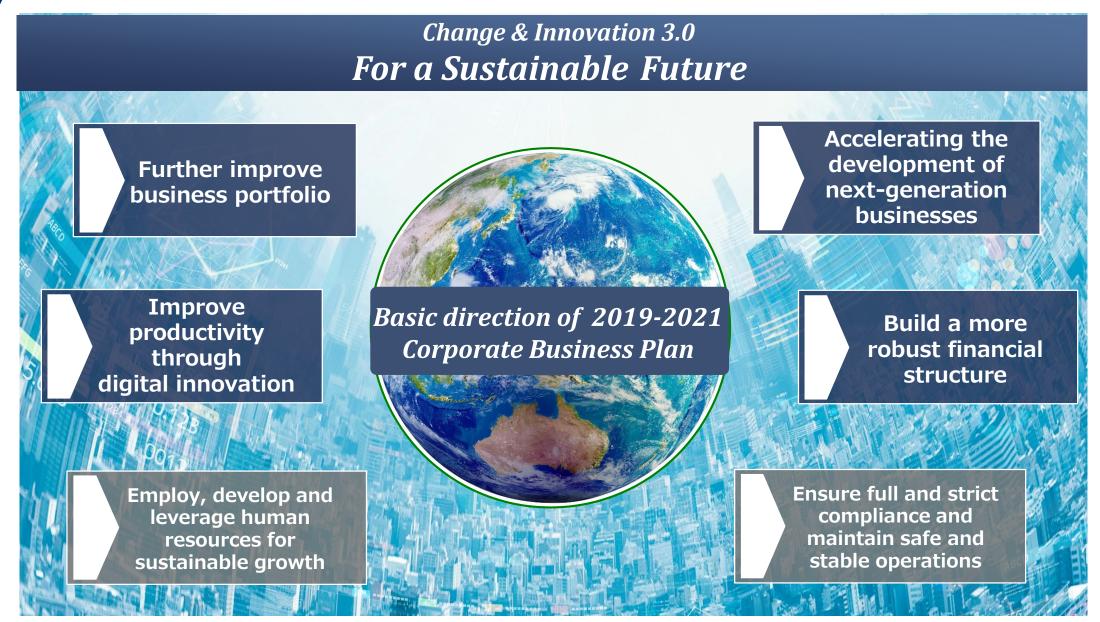
- 1 Business Environment
- 2 Basic direction and major action plans
- 3 Management numerical targets

# **■ Business Strategy by Sector**

### IV Epilogue

# Overview of the Current Corporate Business Plan (FY19-21)

### **Basic direction of Current Corporate Business Plan**



### **Summary**

Overcame business challenges faced at the outset of the plan

**Cultivated post-Latuda** 

Secured footprint for Agrosolutions

**Launched PRCII** 

### **Major initiatives**

**Business portfolio** 

Advanced selection and concentration to bolster competitiveness of each business

Capex, investments and loans

Invested 880 bn. Yen mainly in life sciences to fuel future

Next-generation businesses

Finished building out internal infrastructure and moved toward accelerating the creation of next-generation businesses

**Digital innovation** 

Enhanced productivity by building out an infrastructure and organizations for digital domains and began DX 2.0 strategy early

**Carbon Neutrality** 

Established a grand design and a new target of 50% reduction in GHG by FY 2030

### **Performance**

**Core Operating** 

Achieved solid growth in high-performance and life science fields, recovering to a point just below target despite COVID-19 headwinds

**Capital** 

Increased capital invested on major M&A deals and solidly improved ROI

**Overseas** 

Globalization progressed further with acquisition of business in South America, etc.

Shareholder

Planning to pay out record-high 24-yen DPS in FY 21

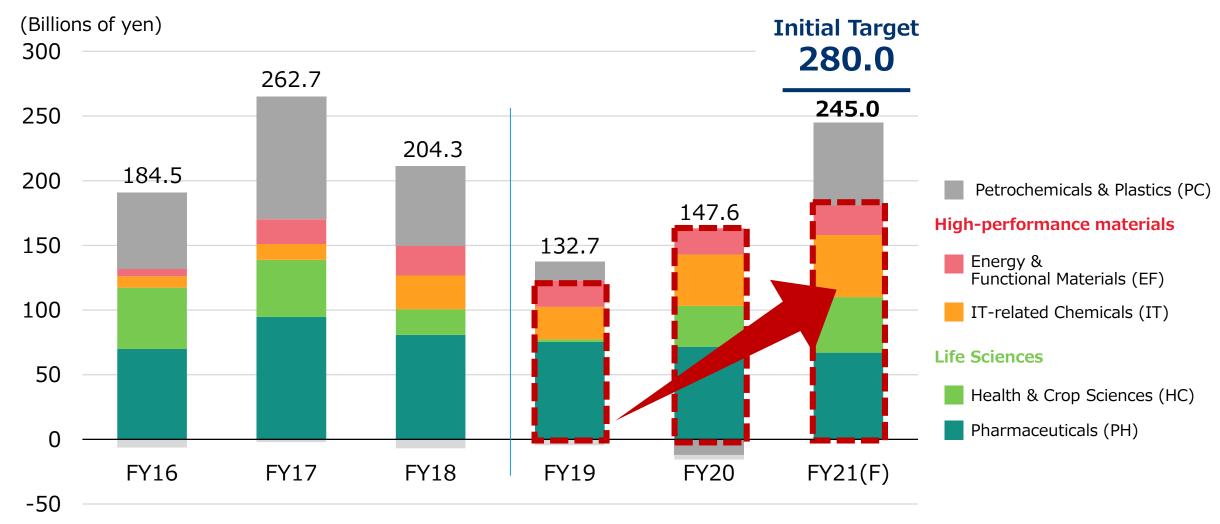
# 1 Business performance

2 Progress on major action plans

### I -1

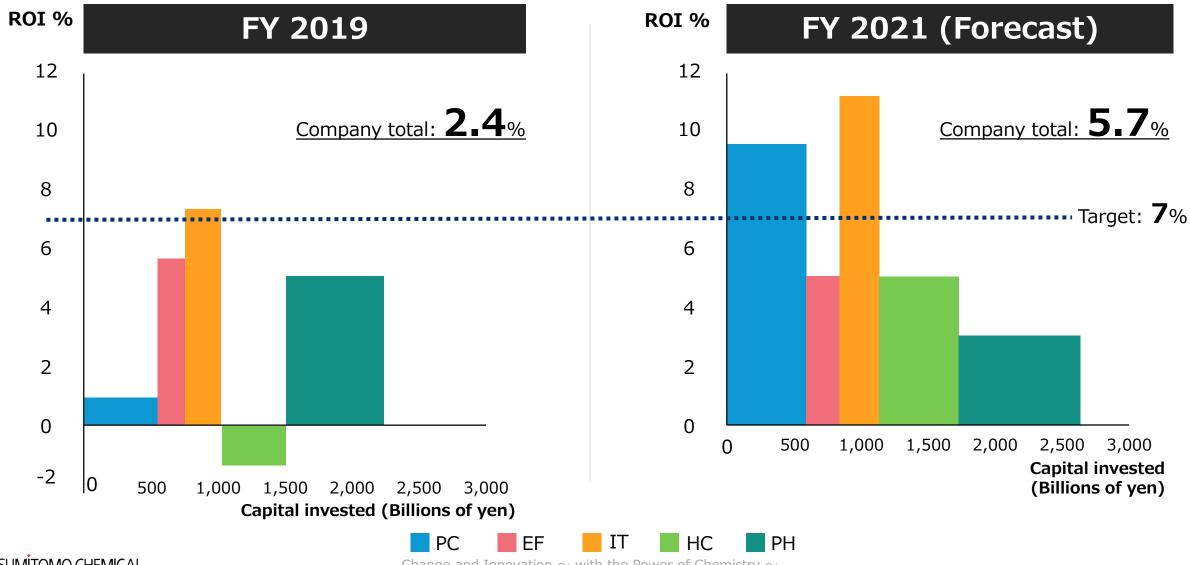
### **Business performance**

Achieved solid growth in high-performance materials and life sciences, recovering to a point just below target despite COVID-19 headwinds



### I -1 Capital efficiency

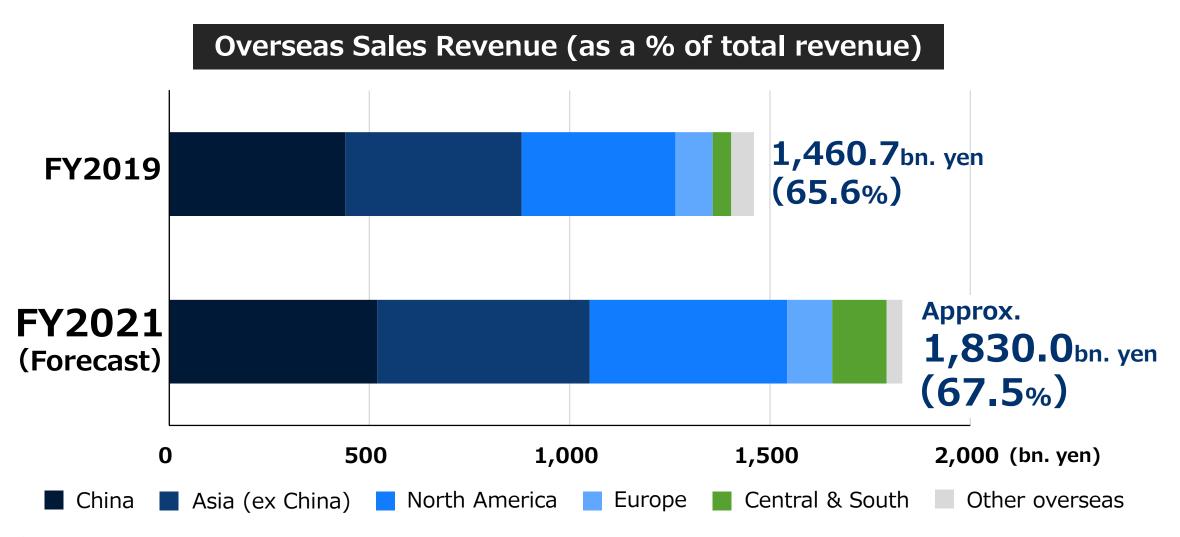
Increased capital invested on major M&A deals and solidly improved ROI



### I -1

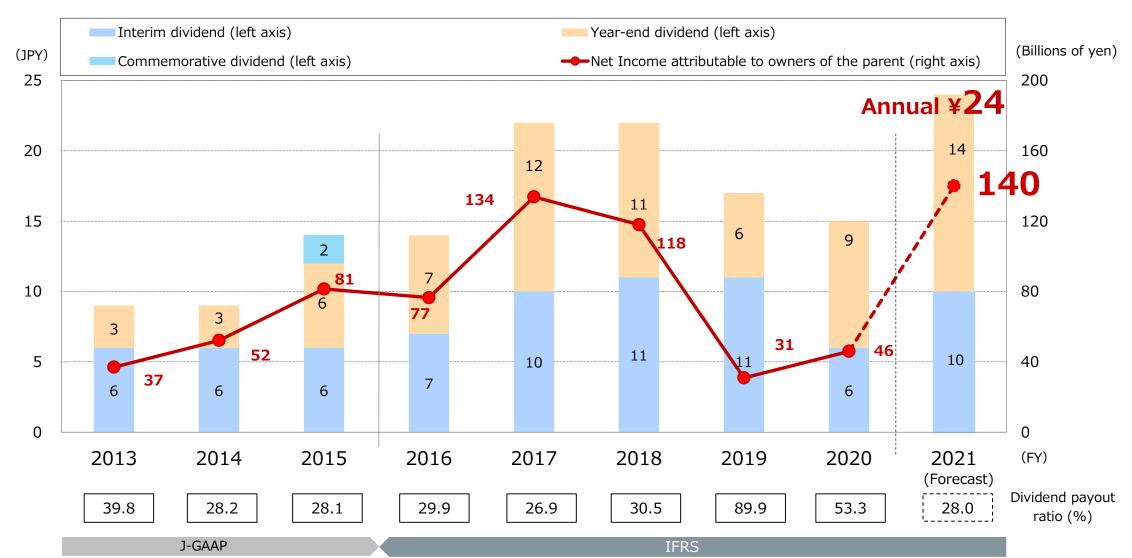
### **Overseas Sales Revenue**

Overseas sales revenue grew on expansion of South American crop protection businesses, achieving further globalization



### **Shareholder returns**

### Planning record-high ¥24 annual DPS



1 Business performance

– 2 Progress on major action plans

### I -2

### Further improve business portfolio: Bolstering competitiveness

Advanced selection and concentration to bolster competitiveness of each business

# Strengthen and expand business

Achieved stable operations and finished completion guarantee for Rabigh Phase II

Strengthened licensing business. Focused on areas with lower environmental impact.

Accelerated development of materials in areas such as 5G and EV

Bolstered in-house manufacturing of key materials in display materials

Added capacity in products related to semiconductors

**Expanded biorationals business** 

Secured crop protection products footprint in South America and India

Pharmaceuticals: Launched 2 blockbuster candidates



# **Exited or downsized businesses**

**Decided to exit EPDM** 

Halted development of OLED lighting

Shrank film touchscreen panels

**Shuttered one line at Methionine plant** 

Sold European sales network and licensed out technologies

\*Overcame business challenges faced at the outset of the plan

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### I -2 Further improve business portfolio: Investment allocation by field

Executed investments aimed at future growth, including major M&A in life sciences

Sum of investments Approx. 880 bn. yen

### **Investment by business area**

Strategic investments Approx. 600 bn. yen

Reduce environmental impact

Approx. 20 bn. yen

South America crop protection

Approx. 95 bn. yen

Battery materials & 5G & Semiconductor

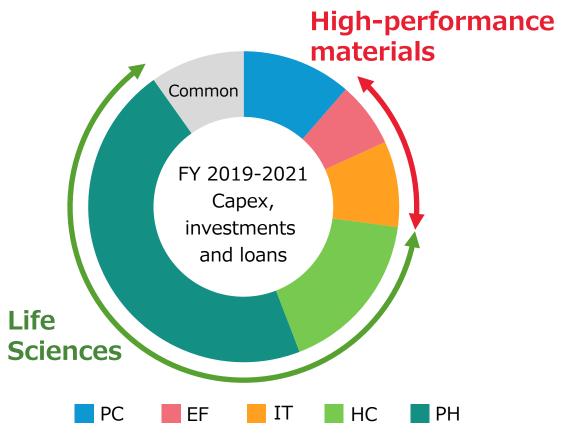
Approx. 45 bn. yen

Roivant

Approx. 360 bn. yen

Maintain and strengthen business fundamentals Approx. 280 bn. yen

# Investment by business division High-perform



<sup>\*</sup>Based on the timing of the decision to invest.

Does not necessarily align with the timing of actual cash outlays or accounting treatments.

### I -2

### **Accelerate the Development of Next-Generation Businesses**

Finished building base for creating next-generation businesses Accelerated development and commercialization leveraging innovation ecosystem

### **Established and launched CVI\***

- \* Corporate Venturing & Innovation Office
- Cambridge, U.K. (CDT\*)
- Boston, U.S.

- San Francisco, U.S.

# Significantly increased contact with startups

### **Introduced stage-gate management system**

Incubation stage (Phase0&1)

Development/Scalability stage (Phase2&3)

Increased projects in incubation stage



### **Adoption of MI**

- Train at least one data engineer in each development group
- Leverage data science in majority of development groups



### Researchers leverage MI on a daily basis "MI for all"

### Decided to reorganize and strengthen research sites

Reduction of environmental impact Development of new materials

 New research lab in China (Operations to start March 2024)

Incubation Open innovation

 New research lab in Osaka (Operations to start Autumn of 2024)

### **Improving Productivity through Digital Innovation**

Developed infrastructure and improved productivity in four focus areas for DX and began DX strategy 2.0 early

### DX strategy 1.0 : Improve productivity in four focus areas for DX

#### **Plant**

 Deployed multiple digital technologies validated at individual plants across

#### R&D

- Deployed MI across all research labs
- Began leveraging MI platform

### **SCM**

- Introduced S/4HANA
- Greater line of sight into supply chain information

### Office

- Quickly moved to support remote work
- Increased operational efficiency through RPA deployment companywide

### DX strategy 2.0: **Consolidate competitiveness** of existing businesses

Began initiatives early



Create new business models leveraging services and data and our core technologies

### **Promotional organizations**

### **Sumitomo Chemical**

- DX strategy plan: about 10 people
- Advance data science: about 25 people
- · Advance new digital: about 70 people
- · Also, DX advocates in mfg, sales and R&D



### **HR** development

Data scientists

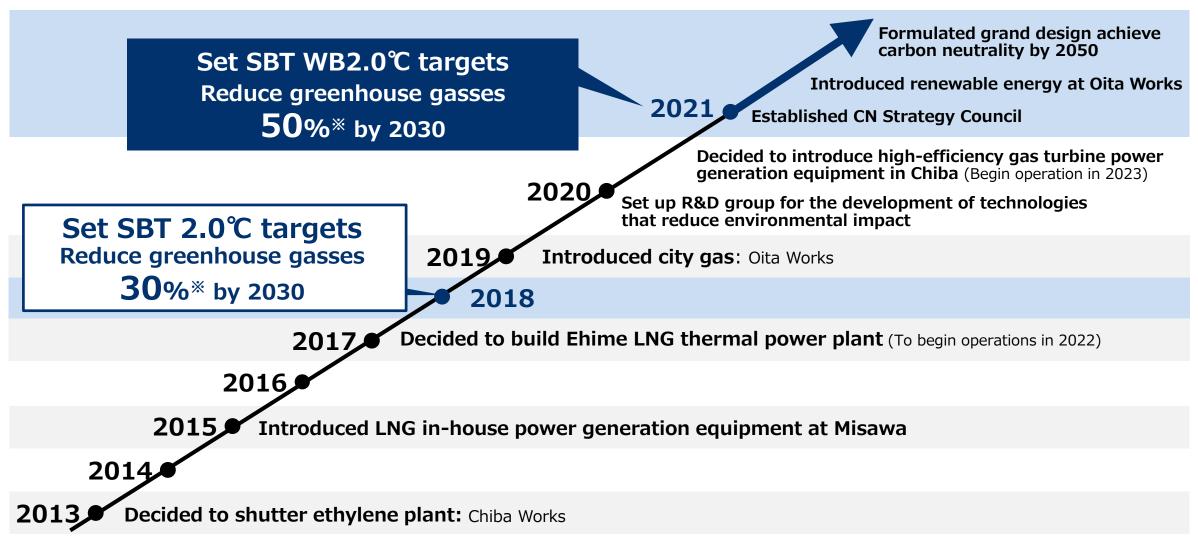
Corporate Business 20people Actual: **16**people Plan target:

Data engineers

Corporate Business 150people Actual: 160people

### I -2 Activities aimed at becoming Carbon Neutrality

Steps taken to achieve circular systems for carbon resources to pave the way for deployment into society



# New Corporate Business Plan (FY22-24)

### -1 Business Environment

- 2 Basic direction and major action plans
- 3 Management numerical targets

### $\Pi_{-1}$

### **Business Environment**

### Rapid and tremendous upheaval

### **Sustainability**

- Climate change and carbon neutrality
- Protect ecosystem and strengthen environmental regulations
- Health awareness

### **Digital technologies**

- Society5.0
- Industry structure changing from goods to solutions

### Geopolitical risks

- Economic security
- Supply chain disruptions
- Emergence of protectionism

### **Opportunities for reform and contributions**

Bringing together the power of chemistry to contribute to solving society's challenges



### **Direction for long-term reforms**

Contribute to solving society's challenges through our business activities by advancing Green Transformation (GX) in a broad sense

The GX we strive to attain

-GX as commonly used

**Carbon neutrality** 

Preserving the ecosystem

**Promoting health** 

### Society's challenges that we endeavor to solve



### **Environment**

Recover the environment and achieve a world where humans and nature co-exist



### Food

Secure stable food supply and achieve harmony with the environment



### Healthcare

Secure healthy lifestyles for people throughout the world



### ICT

Achieve an inclusive society leveraging ICT

FY2022-FY2024 Slogan of New Corporate Business Plan

# Change and Innovation ~ with the Power of Chemistry ~

### The thinking behind slogans in the Corporate Business Plan

# with the **POWer** of Chemistry

Bringing together the power of chemistry to contribute to solving society's challenges

Sumitomo
Chemical's strengths

**Diversity** of businesses, technologies, geographies and people at Sumitomo Chemical



Further growth opportunities

Advancing Green
Transformation (GX)
in a broad sense
responded to changes
in society

- 1 Business Environment

# -2 Basic direction and major action plans

Management numerical targets

### Overview of basic policy

### Thoroughly implement **ROI** management

- Improve cash flow generation and earnings stability
- **Intelligently allocate resources**
- **Solidly capture returns on investments**
- **Initiatives to improve CCC**

### **Companywide projects**

- **Deploy DX into the businesses**
- Deep dive into our innovation ecosystem
- **Obligations and contributions toward** becoming Carbon Neutrality

### Strengthen

**Strengthen businesses through approaches** rooted in technology and rationalize costs

> **Establish competitive** superiority

### Reform

Structural reforms to the business portfolio based on GX

### **Promote metabolism**

<Three viewpoints> **Competitive superiority, market growth** and sustainability

# Change and Innovation ~ with the Power of Chemistry ~

— Basic Direction

Further improve business portfolio (strengthen and reform businesses)

**Improve financial standing** 

**Accelerate the Development of Next-Generation Businesses** 

**Obligations and contributions toward becoming Carbon Neutrality** 

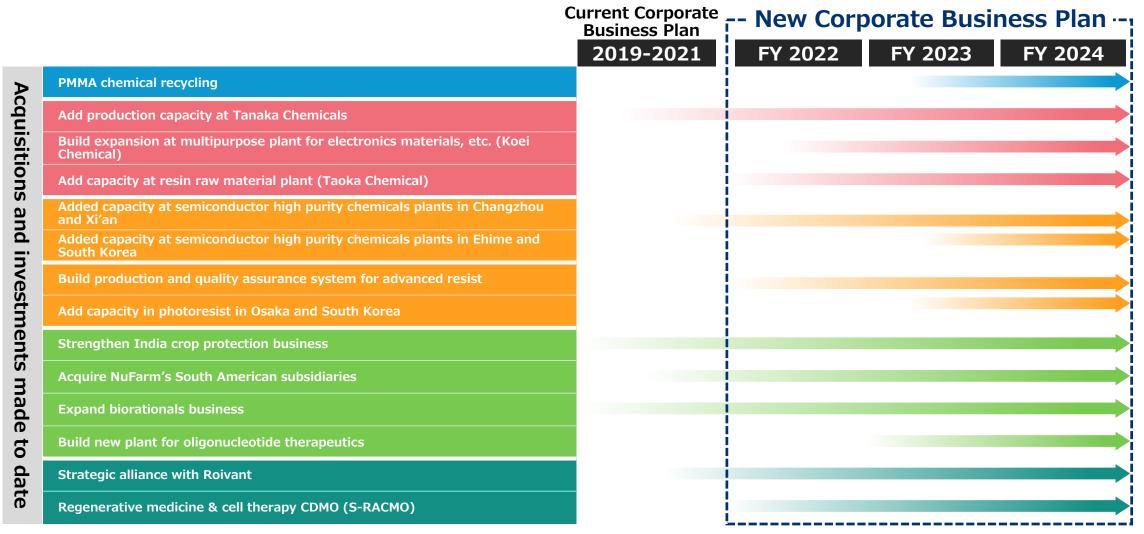
Improve productivity and strengthen businesses through digital innovation

Employ, develop and leverage human resources for sustainable growth

Ensure full and strict compliance and maintain safe and stable operations

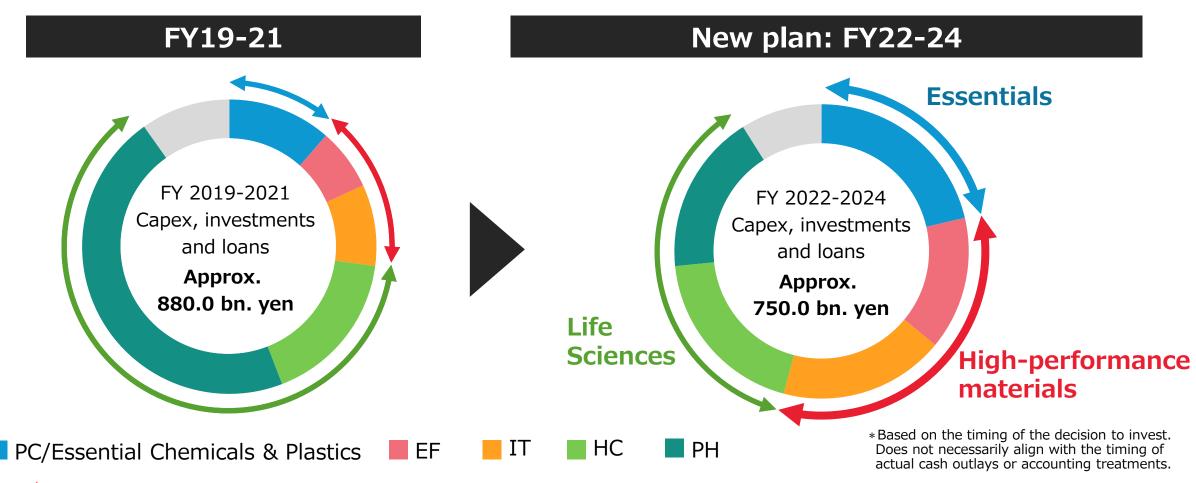
### Further improve business portfolio: Reap returns on past investments

# Many investments coming into fruition during the term of the new Corporate Business Plan



### Further improve business portfolio: Capex, investments and loans by segment

Essentials field with a focus on reducing environmental impact Also, expand investments in high-performance materials such as semiconductors and battery materials



### Further improve business portfolio: Capex, investments and loans

## Investment plan under new Corporate Business Plan (based on investment decisions)

# Sum of investments Approx. 750 bn. yen



# Strategic investments Approx. 450 bn. yen



Reduction of environmental impact

Approx. 30 bn. yen



Battery materials, Super Engineering Plastics, etc.

Approx. 70 bn. yen



5G, Semiconductor, Next-generation displays, etc.

Approx. 90 bn. yen



crop protection business
(including biorationals)

Approx. 90 bn. yen



**Pharmaceuticals** 

Approx. 90 bn. yen

Others

Approx. 80 bn. yen

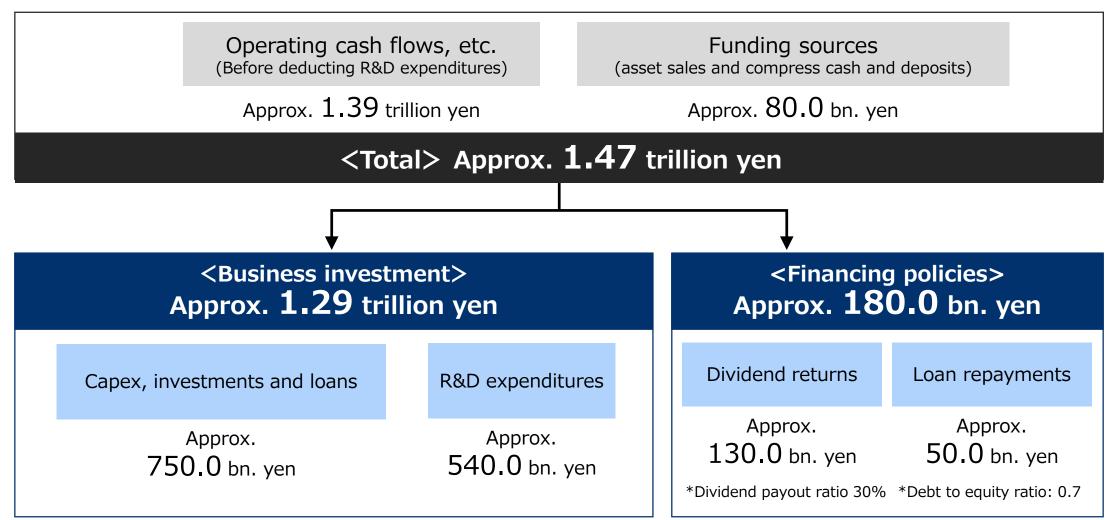


**Maintain and strengthen business fundamentals** 

Approx. 300 bn. yen

### II -2 Further improve business portfolio: Assumed capital allocation

- ▶ Actively pursue business investment mainly in R&D and strategic investments
- ► Maintain dividend payout ratio of 30% and improve debt to equity ratio to 0.7 times



# Further improve business portfolio: Change the name of the Petrochemicals & Plastics sector

- ► Provide materials that are **Essential** to society using manufacturing methods that are friendly to the environment and a recycling economy
- ► An Essential sector for our group in our aim to achieve carbon neutrality

### **Petrochemicals & Plastics**

# Conventional petrochemicals & plastics

A one-way business using fossil fuels as feedstock and fuel

Reforms through GX and DX

### **Essential Chemicals & Plastics**

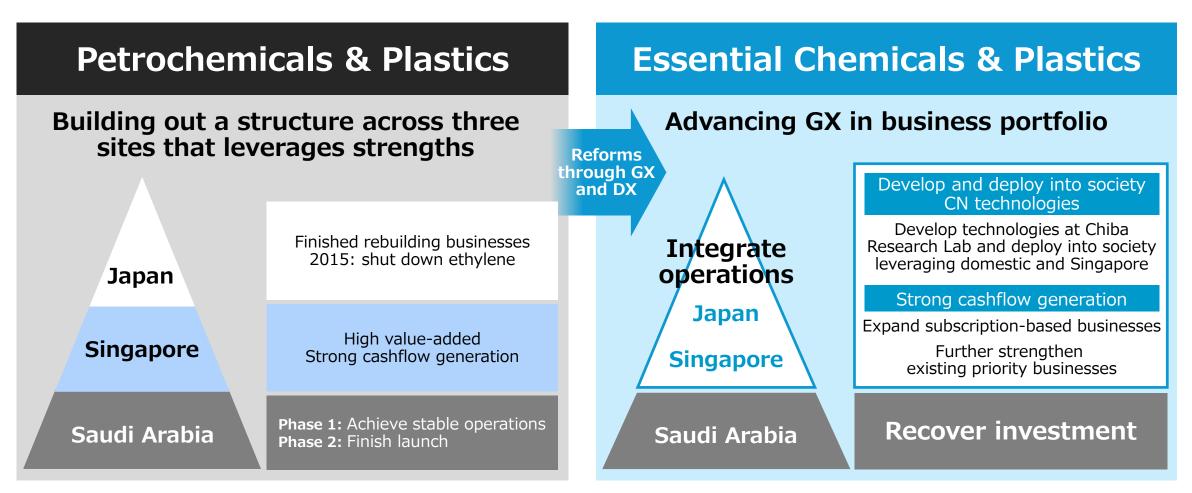
# Next-generation essential chemicals

business models geared toward the environment and a recycling economy

Stabilize earnings leveraging intangible assets such as technology licensing, etc.

# Further improve business portfolio: Future direction for Essential Chemicals & Plastics

Integrate operations in Japan and Singapore to accelerate R&D and deployment into society of carbon neutral technologies and bolster earnings in existing businesses



### Improve financial standing: Basic direction and main initiatives

**Basic direction** 

Thoroughly practice ROI-oriented management

**More Selective Investment** 

Strengthen cashflow generation capabilities

### Initiatives aimed at improvement

### **Asset Sales**

< FY 19-24 original target >

50bn.yen



< FY 19-24 projections >

100+bn.yen

Already reached 60 bn. yen

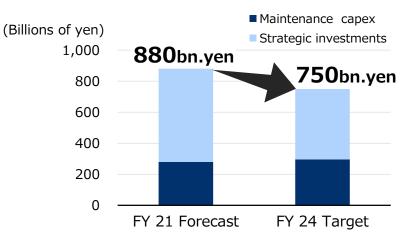
- √ Sold cross-shareholdings
- ✓ Sold tangible fixed assets

### **More Selective Investment**

Selective investments in GX businesses

< Current → New plan >

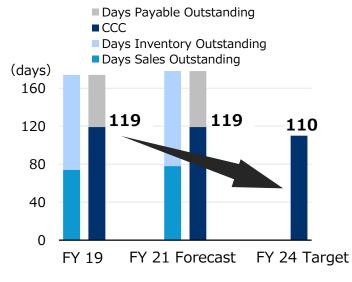
-130bn.yen



### **Improve CCC**

< FY 19  $\rightarrow$  FY 24 >

### 50bn.yen



### Improve financial standing: Cash flow plan

### Aim for debt to equity ratio of 0.7 times by the end of FY 24

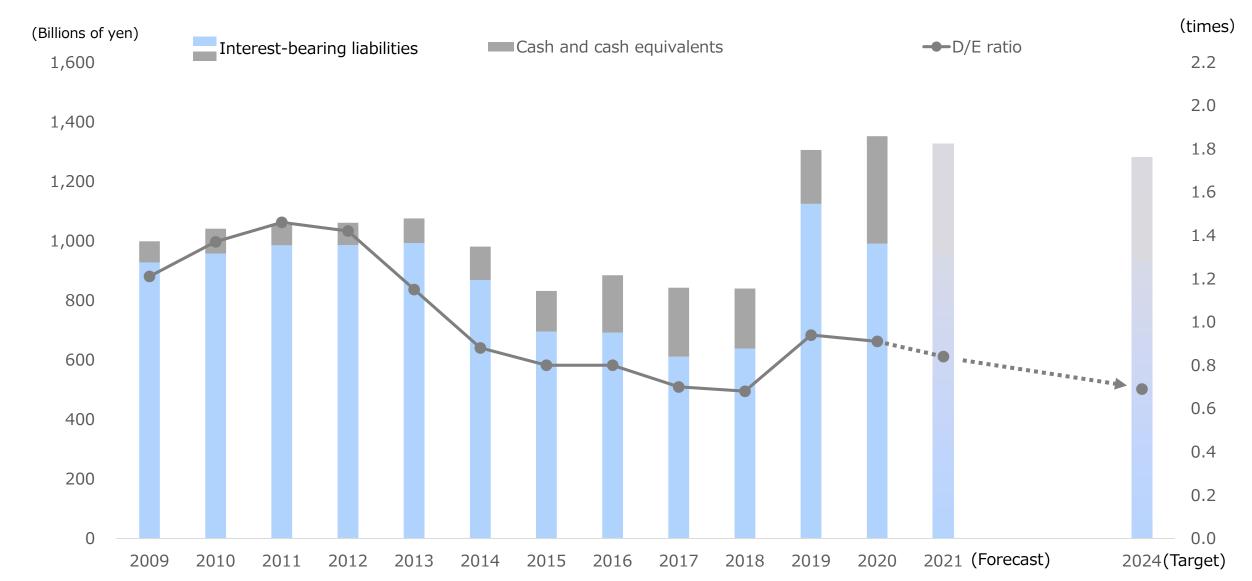
FY2019-2021

(Billions of yen)

FY2022-2024

	FY2016-2018	(Forecast)	(Target)
Cash flows from operating activities	687.2	705.0	805.0
Cash flows from investing activities	<b>▲541.1</b>	▲800.0	<b>▲</b> 655.0
Free cash flows	146.1	<b>▲95.0</b>	150.0
	End of FY2018	End of FY2021 (Forecast)	End of FY2024 (Target)
Interest-bearing liabilities	839.5	1,330.0	1,280.0
D/E Ratio(times)	0.7	0.8	0.7
Net Interest-bearing liabilities	637.9	960.0	935.0

# Improve financial standing: Interest-bearing liabilities and debt to equity ratio



# Accelerate the Development of Next-Generation Businesses: Initiatives under the new Corporate Business Plan

### Multiple projects entering commercialization stage

### **Environment**

- Polyethylene with reduced environmental impact (Sekisui Chemical)
- □ High-efficiency manufacture of alcohol from CO<sub>2</sub> (Shimane University)
- □ Manufacture olefins via direct breakdown of waste plastic
  - (Maruzen Petrochemical, Muroran Institute of Technology)
- □ CO<sub>2</sub> free hydrogen (Microwave Chemical)

### Healthcare

- Regenerative medicine & cell therapy (Sumitomo Dainippon Pharma)
- □ Body condition monitoring (NanoScent)

### Food

- High-performance feed
- □ New biorational products

### **ICT**

- Polymer OLED display materials
- Materials for image sensors

**During the new Corporate Business Plan** 

- Projects slated to advance to commercialization or validation phases
- **Projects slated to reach development or commercialization**

# Accelerate the Development of Next-Generation Businesses: **Development Highlights**

### Chiba

### March 2024: Begin operations at new research lab

- ✓ Strengthen focus on developing technologies that reduce environmental impact
- ✓ Shift and consolidate development resources from Tsukuba and Osaka involved in highly challenging polymer materials

Strengthen R&D organization to address technologies and new materials that reduce environmental impact



### Osaka

### Autumn of 2024: Begin operations at new research lab

- ✓ Consolidate research functions related to basic research in ICT and life sciences, incubation and open innovation
- ✓ Establish an open laboratory

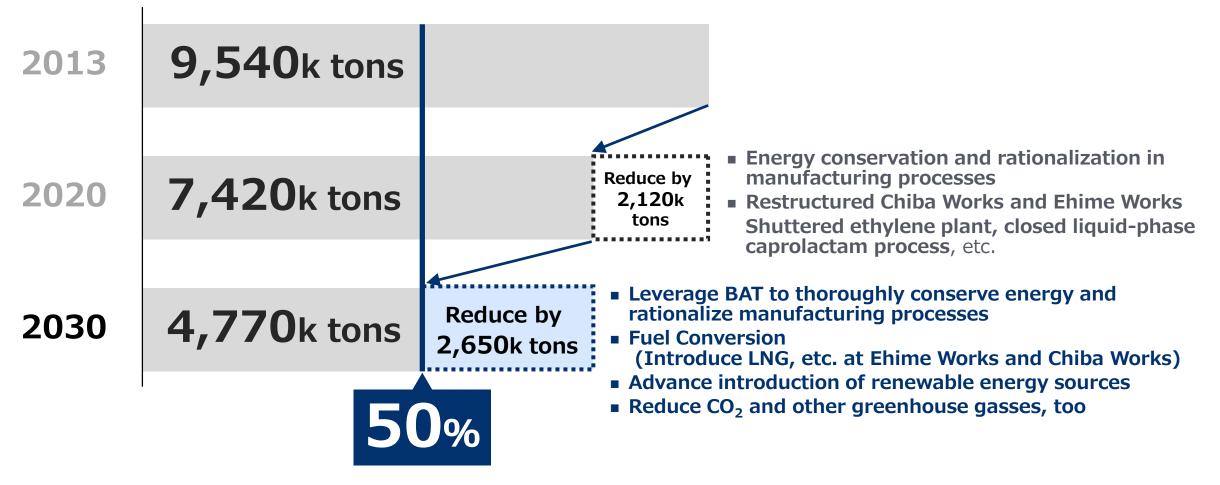
Accelerate generation of new businesses by building an end-toend development structure, from initial research phases to commercialization



# Obligations and contributions toward becoming Carbon Neutrality: **Obligations**

# Achieve 50% GHG reduction by 2030 and zero in real terms by 2050

\*Scope 1, 2. Vs. FY 2013



#### **Obligations and contributions toward becoming Carbon Neutrality: Contributions**

CCU

**Alcohol** 

 $CO, CO_2, H_2$ 

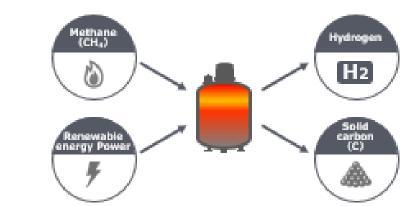


**Circular System for Plastics** 



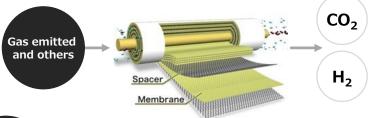
Lock in soil

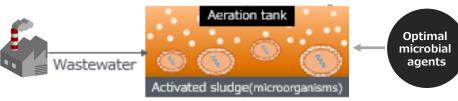
C



**Turquoise hydrogen** 

#### Membrane CO<sub>2</sub> separation systems

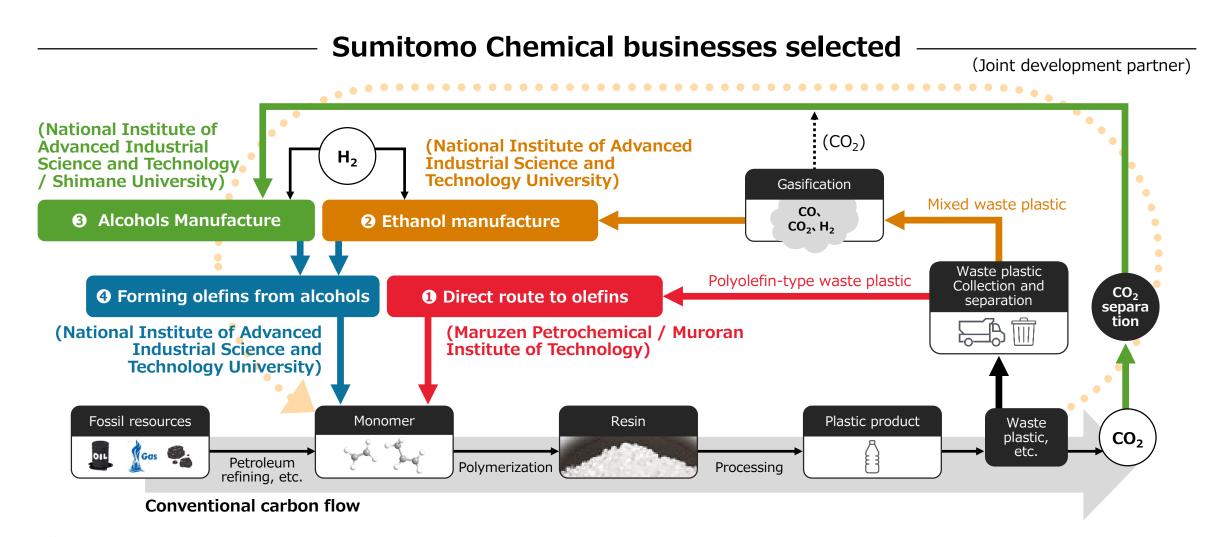






# Obligations and contributions toward becoming Carbon Neutrality: Initiatives aimed at achieving carbon recycling in society

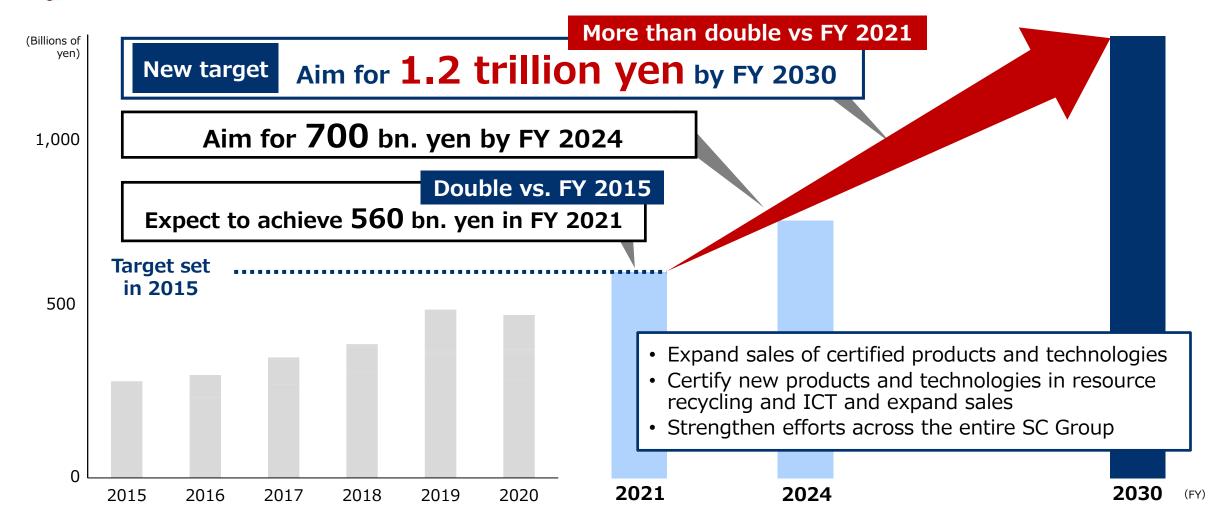
#### Four technology projects selected for Green Innovation Fund



## Sumika Sustainable Solutions New revenue target



Designate the SC Group's products and technologies that contribute to addressing climate Sustainable change and the reduction of environmental impact over the product's entire life cycle and promote their development and widespread use



## Improve productivity and strengthen businesses through digital innovation

**Overall strategy** 

DX strategy 1.0:
Improve productivity
in four focus areas for DX

Continue efforts aimed at enhancing productivity and generate results

DX strategy 2.0:
Consolidate competitiveness
of existing businesses

Bolster business competitiveness through data-driven management with a focus on strengthening customer contact points and enhancing customer satisfaction

Vision

DX strategy 3.0: Create new business models

Create new business models leveraging services and data and our core technologies

## Achieve high-quality decision-making in real time

- Respond to DX challenges according to business characteristics
- Prepare environment that makes it easy to utilize and leverage data

#### **Collect**

- ·Plants data
- ·R&D data
- ·Business data



#### **Accumulate**

Develop data into asset and link



#### **Utilize and leverage**

Create value by analyzing and creating line of sight into data



#### **Securing DX talent**

All levels of all sectors

Implement training to enhance DX literacy

**R&D** and Production

Increase talent capable of analyzing and leveraging data in day-to-day work

Data scientists: 30people Data engineers: 300people

#### **Business**

Begin full-scale personnel development with the aim to dispatch DX talent across all divisions

Business translators: \* Business data analysts: \* 100people

\* Dispatch multiple personnel to all business units, R&D groups and manufacturing departments

#### Employ, develop and leverage human resources for sustainable growth

Advance recruitment and development of talent—
our most important management resource—from a long-term perspective.
At the same time, achieve sustainable growth for Sumitomo Chemical Group
by strengthening engagement.

#### Main action plans

#### Secure and leverage talent amid a shrinking population

Leverage higher-age employees

Better matching of talent to business.
Talent with diverse abilities.

Promote diversity, equity & inclusion (DE&I)

- Adopt 65-year retirement age and study ways to leverage talent beyond retirement age
- Implement a job-based HR system from end to end (onboarding to retirement)
- Expand hiring for clearly defined job descriptions, super-specialized positions in specific areas, etc.
- Achieve KPIs for leveraging female employees, increase women in executive and director positions

Current KPIs: Achieve the following by FY 2022

- Women in positions equivalent or higher than section manager: 10%+ (2014: 3.8%. 2021: 6.3%)
- Male employees taking family leave: 70%+ (2014: 9.6%. 2021: 77.6%)

Review existing KPIs in April 2023 and incorporate more DE&I

• DE&I training (eliminate unconscious bias, diversity management, LGBTQ, etc.)

### Employ, develop and leverage human resources for sustainable growth

Advance recruitment and development of talent—
our most important management resource—from a long-term perspective.
At the same time, achieve sustainable growth for Sumitomo Chemical Group
by strengthening engagement.

#### Main action plans

**Develop and expand capabilities of employees** 

## Increase investment in people and expand training

- Expand investment in training (Annual 320k yen per person)
- Implement re-skilling based on extended retirement age

Strengthen engagement

# Instill management philosophies and directions across group

- Conduct engagement survey for all group companies inside and outside Japan
- Respond to decline in real contact and reinforce engagement
- Continue global HR measures

Health-building (in collaboration with the health insurance association)

Strengthen rotations for developing talent and effectively leverage an open job posting system

Maintain positive relationships between labor and management

Dig deeper Sumitomo Chemical's "Let's Do This Declaration"

# Ensure full and strict compliance and maintain safe and stable operations

Aim to continue safe and stable operations across the Sumitomo Chemical group leveraging new digital technologies

Investments in maintaining and strengthening business fundamentals



# Promote more sophisticated equipment preservation

• Digital innovation in equipment management

# Uniform equipment management digital platform companywide

Introduce to all Sumitomo Chemical plants by 2023

Shift to more efficient preservation operations and data-driven preservation

- Respond to aging equipment, secure work safety and quality and reduce maintenance and repair expenses
- Strengthen partnerships

#### **Initiatives**

#### **Promote smart factories**

#### **Smart preservation**

Leverage information and new technologies to improve preservation capabilities

#### **Smart operations**

- More sophisticated and independent operations linked with digital technologies
- More sophisticated decision-making leveraging AI and machine learning

## Develop and deploy technologies that prevent accidents and mishaps

- Technologies to predict and detect faults in equipment and processes
- Technologies to assess the safety of sophisticated processes and materials

- 1 Business Environment
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## **Management numerical targets**

(Billions of yen)

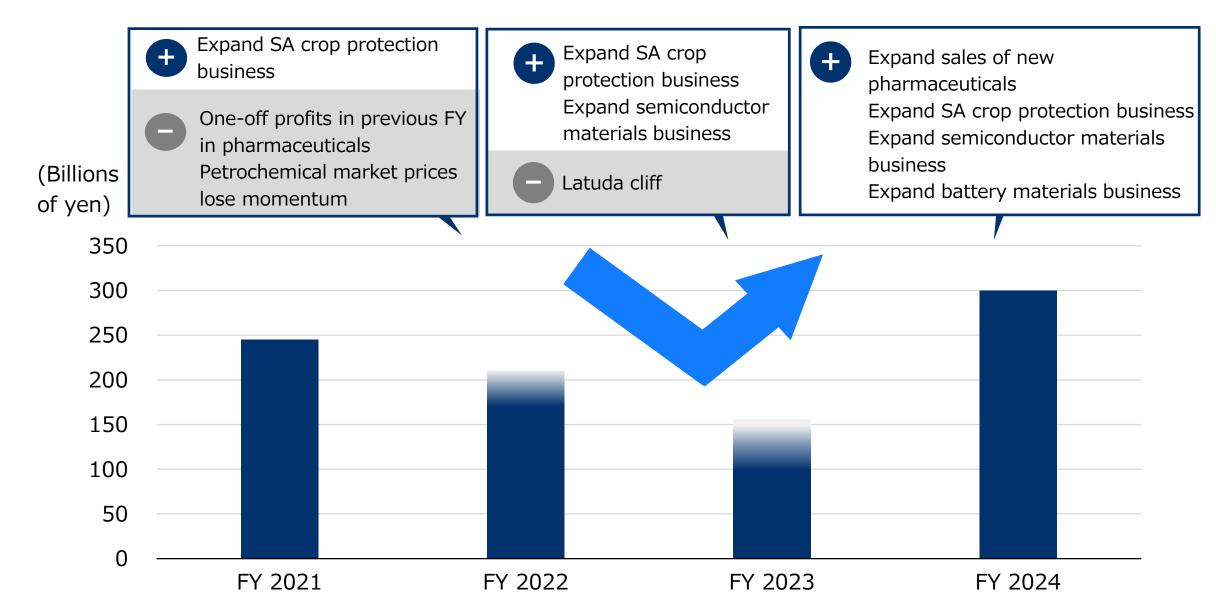
	FY2021 Forecast	FY2024 Target	Change
Sales Revenue	2,710.0	3,050.0	+340.0
Core Operating Income	245.0	300.0	+55.0
Operating Income (IFRS)	225.0	285.0	+60.0
Net Income Attributable to Owners of the Parent	140.0	150.0	+10.0
Naphtha price	¥50,300/kl	¥50,000/kl	
Exchange rate	¥109.91/\$	¥110.00/\$	

## **Core Operating Income by Sector**

(Billions of yen)

	FY2021 Forecast	FY2024 Target	Change	Reasons for change
<b>Essential Chemicals &amp; Plastics</b>	64.0	54.0	-10.0	Deterioration in petrochemicals trade terms and conditions
Energy & Functional Materials	23.0	31.0	+8.0	Increase in shipment volumes of battery materials
IT-related Chemicals	48.0	58.0	+10.0	Increase in shipment volumes of Semiconductor materials
Health & Crop Sciences	43.0	84.0	+41.0	Increase in shipment volumes of overseas crop protection products
Pharmaceuticals	67.0	73.0	+6.0	Increase in shipment volumes of new products
Other	0	0	0	
Total	245.0	300.0	+55.0	

## **II**-3 Core Operating Income out to FY 24 (approximation)



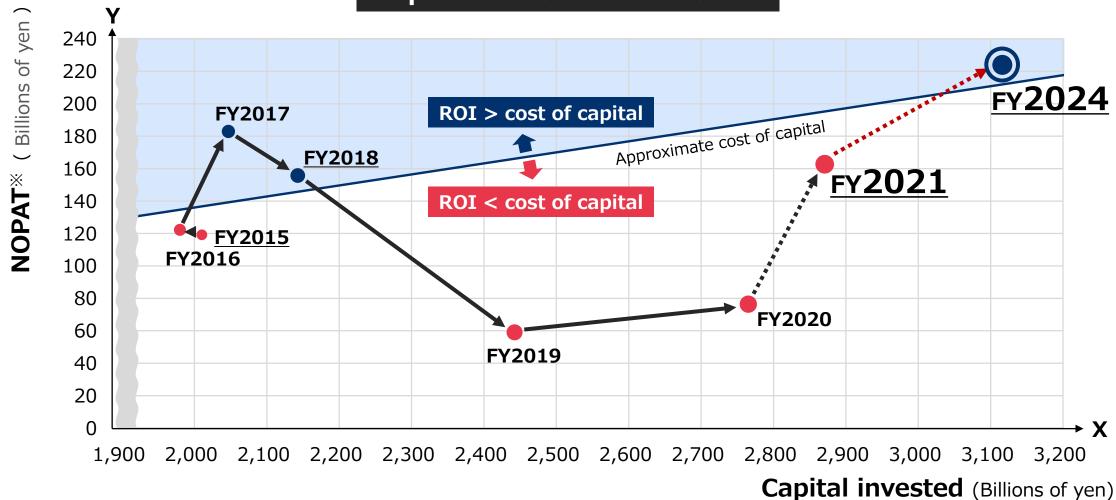
## **Financial Metrics**

	FY2019	FY2021 Forecast	FY2024 Target
ROE	3.2%	13.1%	11.7%
ROI	2.4%	5.7%	7.2%
D/E ratio	0.9times	0.8times	0.7times
Dividend payout ratio	90%	28%	approx. <b>30</b> %

**Medium- to Long-term Targets** Consistently achieve the following targets: Over **10**% Over **7**% approx. **0.7**times approx. **30**%

## **Capital Efficiency**

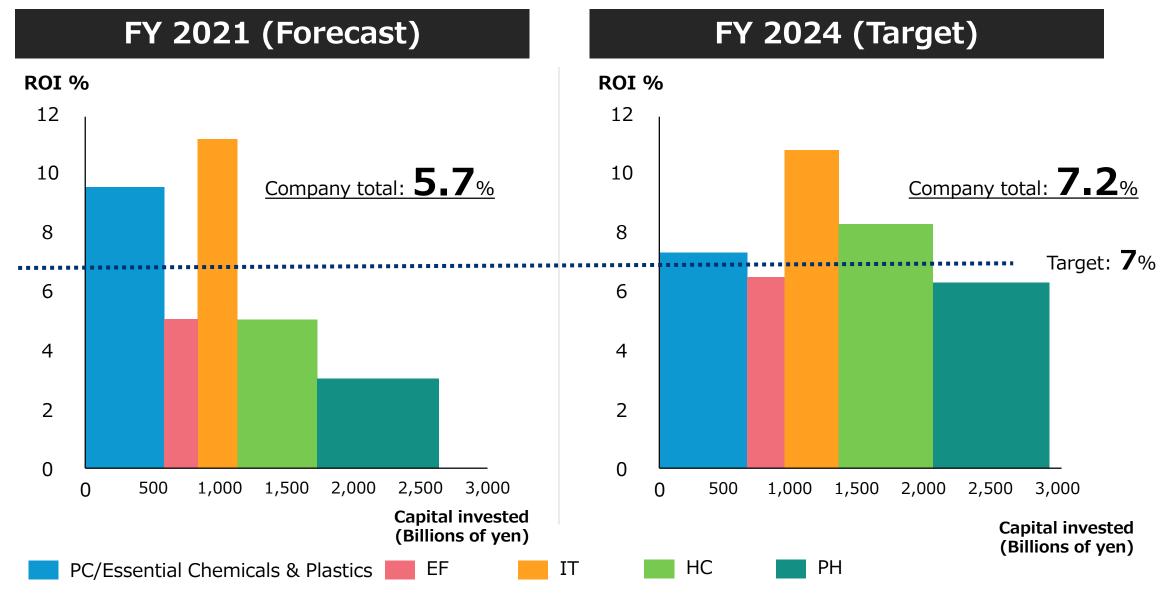




NOPAT : Net Operating Profit After Tax 
 IFRS from FY2017



## **ROI** by Sector



# **Business Strategy by Sector**

## **Business strategy: Essential Chemicals & Plastics**

#### **Direction for the business division**

# **Activities aimed at becoming Carbon Neutrality**

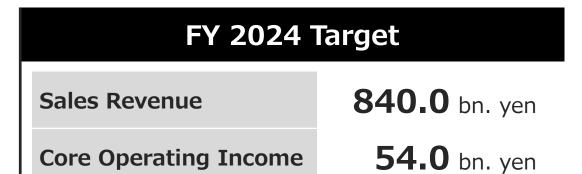
- ✓ Expand materials recycling business
- ✓ Pursue technology development in chemical recycling
- ✓ Practice Japanese technology leveraging infrastructure in Singapore

## Secure stable revenues via licensing and catalyst business

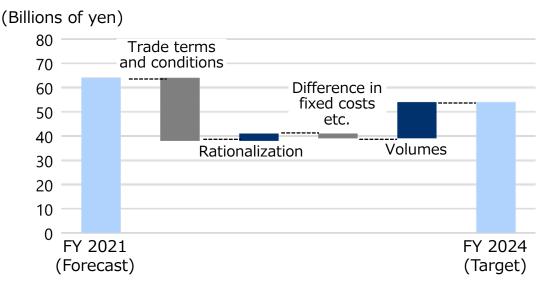
- ✓ Expand portfolio and services
- ✓ Brush up technology

# **Bolster competitiveness via unified operations with Singapore**

✓ Review and evolve structure of MMA and polyolefin businesses, etc.







### Highlights in Essential Chemicals & Plastics: Catalyst business strategy

## **Basic strategy**

## Establish stable revenue base

- Expand capacity to supply catalysts
- Expand opportunities to contact potential customers

#### **Expand portfolio**

- Quickly establish, license and expand lineup in technologies that reduce environmental impact
- Diversify business models through operational support services

#### **Brush up technology**

- Bolster competitiveness in processes
- Catalysts: longer lifespans and cost improvements

Secure stable revenues and achieve sustainable business expansion



Contribute to achieving a carbon neutral society

**Greenhouse gas reduction effects** 

PO-only process -30%

Hydrochloric acid oxidation process More than -90%



PO-only process based on a comparison to industry peer. Hydrochloric acid oxidation process based on a comparison to NaCl electrolysis.

## **Business Strategy: Energy & Functional Materials Sector**

#### Direction for the business division

## Concentrate investments and expand business in growth areas

#### Battery

- ✓ Separators: Development, capacity add and sales expansion in accordance with advances in battery capacity
- ✓ Cathode materials : Establish calcination technology and commercialize

## Super Engineering Plastics

✓ LCP: Expand business with plant capacity add Expand sales of connectors for applications in automotive and high-speed telecommunications

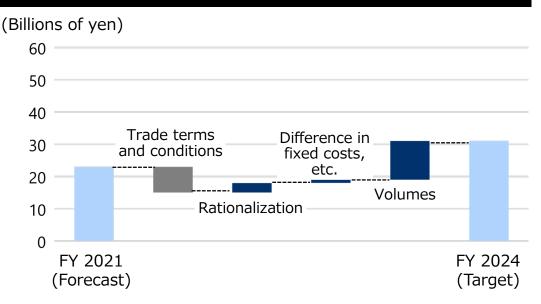
#### **Decide direction for low-profit businesses**

#### **Develop next-generation businesses**

✓ Advance development of new technologies such as solid state batteries, membrane-based separation, etc.

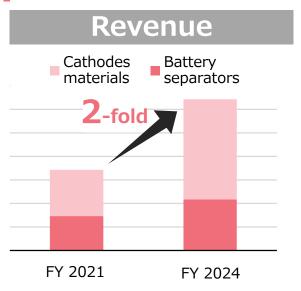
# FY 2024 Target Sales Revenue 390.0 bn. yen Core Operating Income 31.0 bn. yen

# Core Operating Income Change Analysis (FY 2021 vs. FY 2024)



# **Energy & Functional Materials Highlights: Contribute to carbon neutrality with proprietary technologies**

### **Battery components**



#### **Battery Separator**

Support a rapidly expanding EV market with the technologies we have accumulated

High degree of safety High capacity due to thin-film application Achieved long life and rapid charging

- Develop and expand sales in automotive applications. Also, strengthen development for consumer electronics.
- Add further capacity to support demand.

#### **Cathode materials**

**Enter market for high nickel- content Cathode materials** 

- Validate technology in highproductivity calcination process
- Develop sustainable cobaltfree cathode materials

### **Super Engineering Plastics**

#### **Production capacity**

Decided to add internal capacity



\*Based on resin. Varies depending on grade mix.

## LCP (liquid crystal polymer)

Prepare production regime to support strong demand

Compounds
Design and mass
production technologies

Highly stable quality

- Expand sales of connectors for applications in automotive and high-speed 5G telecommunications
- Expand functionality of in-house compounds
- Further capacity adds



## **Business Strategy: IT-related Chemicals Sector**

#### Direction for the business division

#### Displays

Maintain competitive edge leveraging our own core technologies

- ✓ Capture demand for materials for next-generation displays
- ✓ Secure market share in existing high value-added areas
- ✓ Continue restructuring of commodity LCD materials business

## Semiconductor materials

Acquire business opportunities in response to market expansion

- ✓ Securely capture growing demand
- ✓ Develop products that support innovations in customer processes
- ✓ Launch next-generation power device materials business and contribute to evolution in energy conservation technologies

#### New business

Create new businesses for the nextgeneration

✓ Establish business in materials related to telecommunications and sensors

#### FY 2024 Target

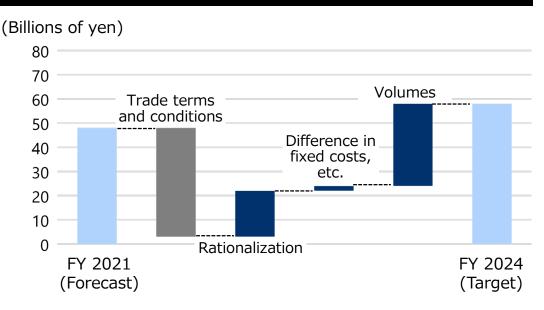
Sales Revenue

**560.0** bn. yen

**Core Operating Income** 

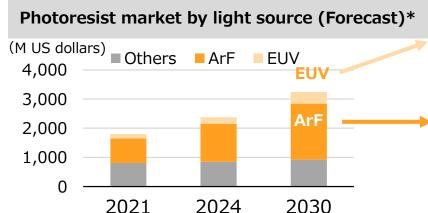
**58.0** bn. yen

# Core Operating Income Change Analysis (FY 2021 vs. FY 2024)



#### IT-related Chemicals Highlights: Capture growing demand for semiconductor materials

#### **Photoresist**



Our strategy -

Strengthen development of EUV photoresists for cutting-edge processes

Construct new lab for photoresist evaluation

Develop EUV photoresists that support next-generation lithography tools

Bolster organization to supply ArF resist, which will continue to drive the market

Add capacity to manufacture cutting-edge photoresist

2019 → 2024

About **2.5** times

\*Source: Fuji Keizai Co., Ltd. "Future Perspective and Reality of Semiconductor Materials Market 2020" Sumitomo Chemical estimates for 2030

#### **Compound semiconductors**

Trends

Growth in market for high-efficiency power devices and demand for even greater efficiency gains

Data EV Renewable energy

Target

Comparison of power device characteristics

Туре	Operating voltage	Operating frequency	Element size	Characteristics
Silicon	$\triangle  hicksim \bigcirc$	$\triangle$	$\triangle$	Cost competitiveness
Silicon carbide	0	Δ	0	Already in mass- production
GaN on Si	$\triangle$	0	0	For consumer electronics. In introduction phase.
GaN on GaN	0	0	0	At the R&D stage

Our strategy

Establish technology for mass-producing large-wafer GaN substrates for power devices

Validation equipment Begin operation in FY 22

Aim for supply for mass production to begin by FY 24

## **Business Strategy: Health & Crop Sciences Sector**

#### Direction for the business division

## **Business portfolio reforms aimed at strengthening a group of sustainable products**

- ✓ Differentiate from rivals leveraging our strengths in biorationals, botanicals, etc.
- ✓ Develop and launch products that focus on reducing environmental impact

#### Secure returns on investments already made

✓ Achieve ROIC in excess of capital cost

#### Strengthen global supply chain

✓ Achieve stability in quality and supply across expanded global footprint

#### Advances and efficiencies in R&D

- ✓ Invest resources in narrow group of priorities
- ✓ Actively leverage open innovation

#### FY 2024 Target

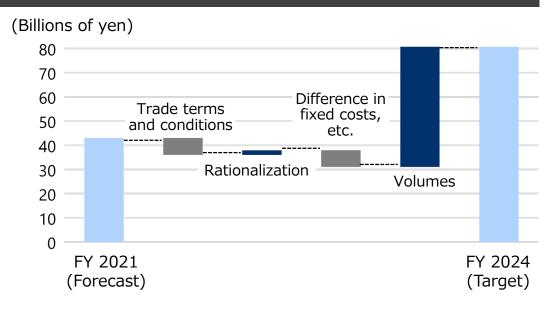
**Sales Revenue** 

**590.0** bn. yen

**Core Operating Income** 

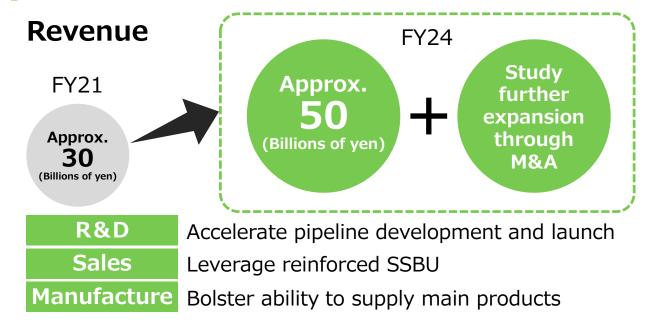
**84.0** bn. yen

# Core Operating Income Change Analysis (FY 2021 vs. FY 2024)



### Health & Crop Sciences Sector Highlights: Business portfolio reform

**Strengthen the biorationals business** 



# Contribute to a reduced environmental impact with chemical crop protection

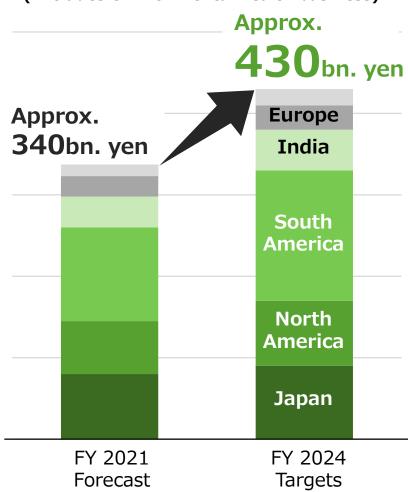
Supporting no-till farming\*

\*Agricultural technique that uses no tillage Requires clearing of weeds before seeding

Contribute to the spread of no-till farming by expanding sales of fast-acting and long-lasting herbicides applied before seeding.

# Sales revenue target for crop protection business

(Excludes environmental health business)



## **Business Strategy: Pharmaceuticals Sector**

#### **Direction for the business division**

## Establish base of earnings to follow Latuda's loss of exclusivity in US

- ✓ Maximize revenues from ORGOVYX<sup>®</sup>, MYFEMBREE<sup>®</sup> and GEMTESA<sup>®</sup>
- ✓ Improve management efficiency and optimize business costs

## Lay groundwork for growth over the medium to long term

- √ Generate continuous psychoneurotic medicines
- ✓ Pursue faster development, lower risk and quicker maximization of product value, including actively working with external resources
- ✓ Pursue and commercialize new therapies including regenerative and cellular medicines

#### **Strengthen CDMO business**

✓ Actively advance next-generation biopharmaceuticals including cellular medicines and alpha-ray antibody-drug conjugates (ADC)

#### FY 2024 Target

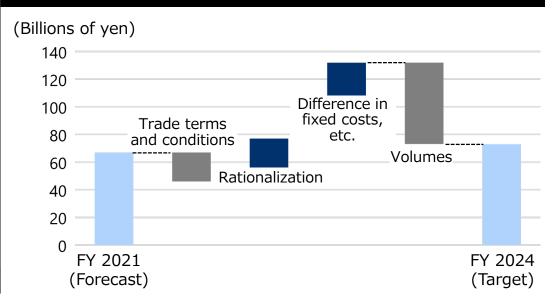
**Sales Revenue** 

**610.0** bn. yen

**Core Operating Income** 

**73.0** bn. yen

# Core Operating Income Change Analysis (FY 2021 vs. FY 2024)



#### Pharmaceuticals highlights: Initiatives to maximize profits Post-Latuda

ORGOVYX® / MYFEMBREE® / GEMTESA® \*\*1

Forged development and sales alliance with Pfizer \*\*2

- For ORGOVYX® and MYFEMBREE®, conduct joint development and joint promotion in North America
- Reduce business risk at the same time we maximize the drug's potential

Sales and distribution tie-ups among group companies

- Conduct joint promotion of GEMTESA®
- Sunovion to support distribution of the three drugs to wholesalers



Pursue cost synergies by leveraging Sunovion sales infrastructure

SEP-363856 (Ulotaront)

Forged development and sales alliance with Otsuka Pharmaceutical

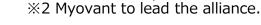
Development items	Planned indications	Planned launch	
SEP-363856	Schizophrenia	(US) FY 2024 (Japan and Asia) late 2020s	
	Second and third indications	Under study	
SEP-4199	Bipolar I disorder depression	(US and Japan) late 2020s	

Bring together both companies' strengths in psychoneurotic field

Aim for sales from ORGOVYX™, MYFEMBREE and GEMTESA greater than Latuda

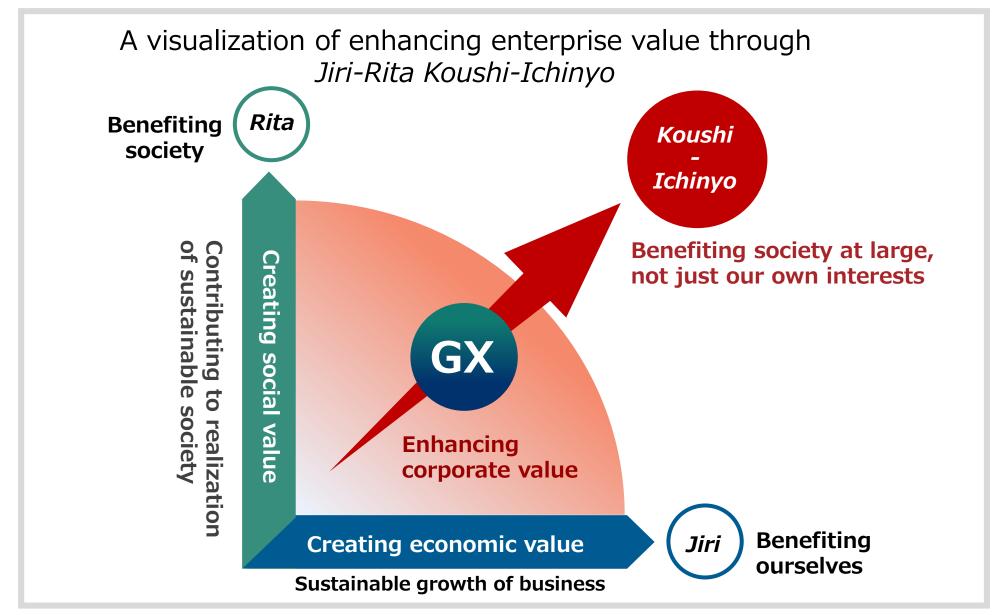
Cultivate into new blockbusters to drive growth over the medium to long term

X1 ORGOVYX®: prostate cancer treatment. MYFEMBREE®: uterine fibroids treatment. Filing underway in US for endometriosis for MYFEMBREE®.



# Epilogue

#### What We Strive to



## IV Epilogue

Achieving sustained growth for Sumitomo Chemical Group and helping build a sustainable society by creating both economic value and social value



- Sharing our aspirations with stakeholders-

# Reference Materials

#### **Reference Materials**

- FY2021 Target vs. Forecast
- FY2021 Core Operating Income by Sector
- FY2024 Sales Revenue by Sector vs. FY2021
- Core Operating Income Change Analysis (FY 2021 vs. FY 2024)
- Capital invested and NOPAT
- Four priority areas of focus and main business candidates
- Development progress and commercialization plans for pipeline of crop protection products
- Material Issues that We will Address as Management Priorities



## **FY2021** Target vs. Forecast

(Billions of yen)

	FY2021 Forecast	FY2021 Target	Change
Sales Revenue	2,710.0	2,950.0	-240.0
Core Operating Income	245.0	280.0	-35.0
Operating Income (IFRS)	225.0	260.0	-35.0
Net Income Attributable to Owners of the Parent	140.0	150.0	-10.0
Naphtha price	¥50,300/kl	¥51,000/kl	
Exchange rate	¥109.91/\$	¥110.00/\$	

## **FY2021 Core Operating Income by Sector**

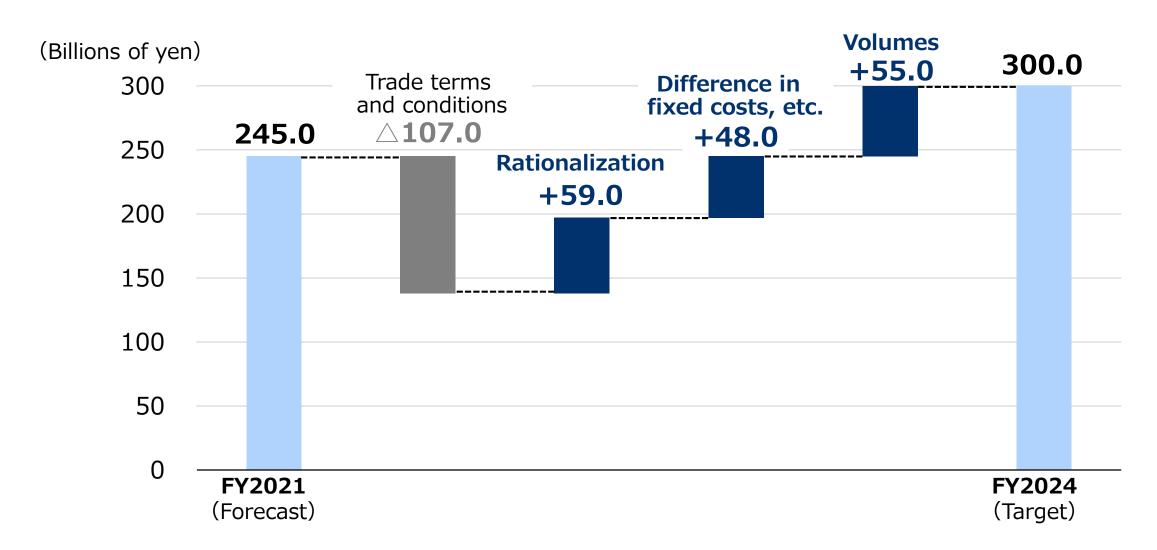
(Billions of yen) FY2021 FY2021 Change **Reasons for change** Forecast **Target** Petrochemicals & Market price up in 64.0 49.0 +15.0petrochemicals market **Plastics Energy & Functional** Delayed launch of EV and 5G 23.0 31.0 -8.0 markets **Materials** Increase in shipment volumes 48.0 35.0 +13.0 **IT-related Chemicals** of Semiconductor materials Depressed crop protection Health & Crop 43.0 **75.0** -32.0 market and delayed recovery in **Sciences** methionine market prices Increased up-front expenses 67.0 94.0 -27.0 **Pharmaceuticals** due to alliance with Roivant. -4.0 +4.0 Other 0 **Total** 245.0 280.0 -35.0

## FY2024 Sales Revenue by Sector vs. FY2021

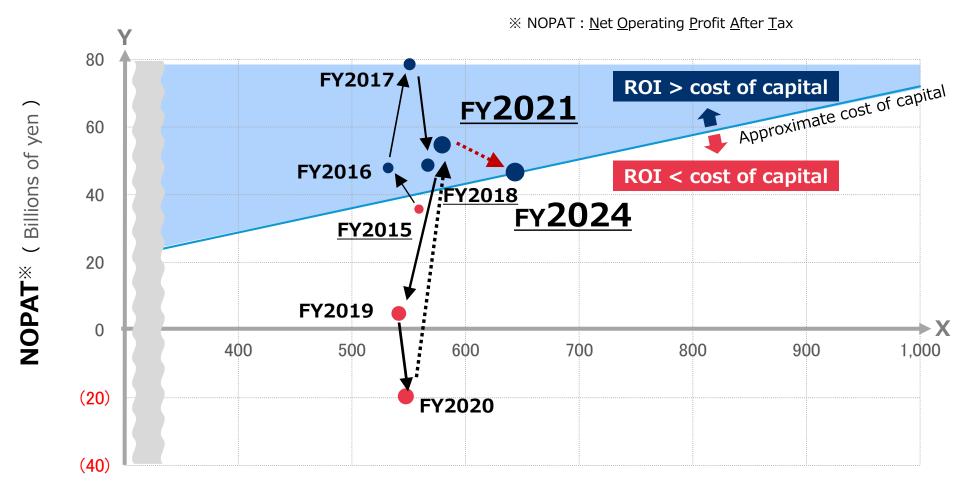
(Billions of yen)

	FY2021 Forecast	FY2024 Target	Change	Reasons for change
Essential Chemicals & Plastics	810.0	840.0	+30.0	FY2021 periodic plant maintenance in the Chiba works
Energy & Functional Materials	305.0	390.0	+85.0	Increase in shipment volumes of battery material, etc.
IT-related Chemicals	450.0	560.0	+110.0	Increase in shipment volumes of Semiconductor materials, etc.
Health & Crop Sciences	470.0	590.0	+120.0	Increase in shipment volumes of overseas crop protection products
Pharmaceuticals	610.0	610.0	0	
Other	65.0	60.0	-5.0	
Total	2,710.0	3,050.0	+340.0	

# **Core Operating Income Change Analysis** (FY 2021 vs. FY 2024)



# Capital invested and NOPAT (Essential Chemicals & Plastics)

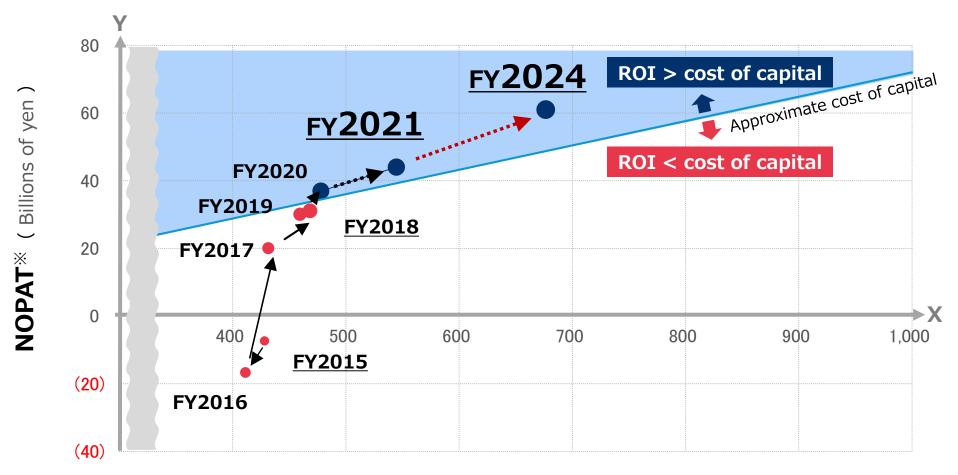


Capital invested (Billions of yen)

NOPAT : Net Operating Profit After Tax 
 IFRS from FY2017



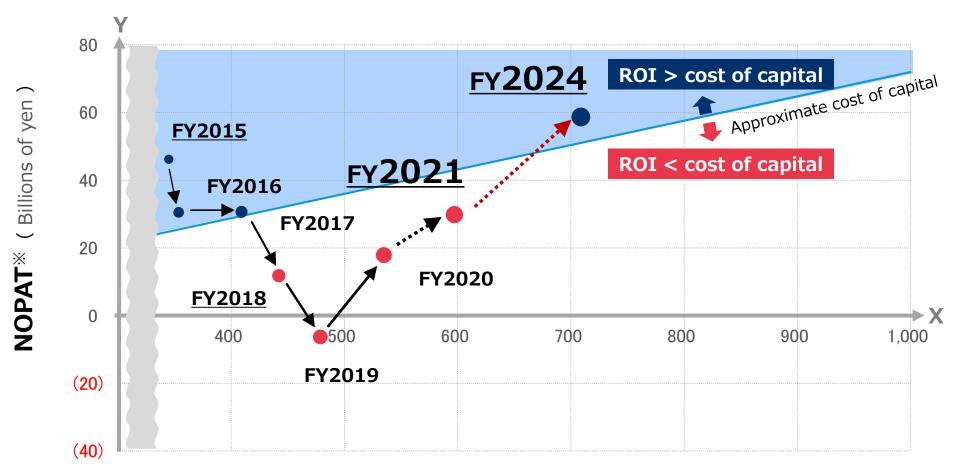
# Capital invested and NOPAT (Energy & Functional Materials + IT-related Chemicals)



Capital invested (Billions of yen)



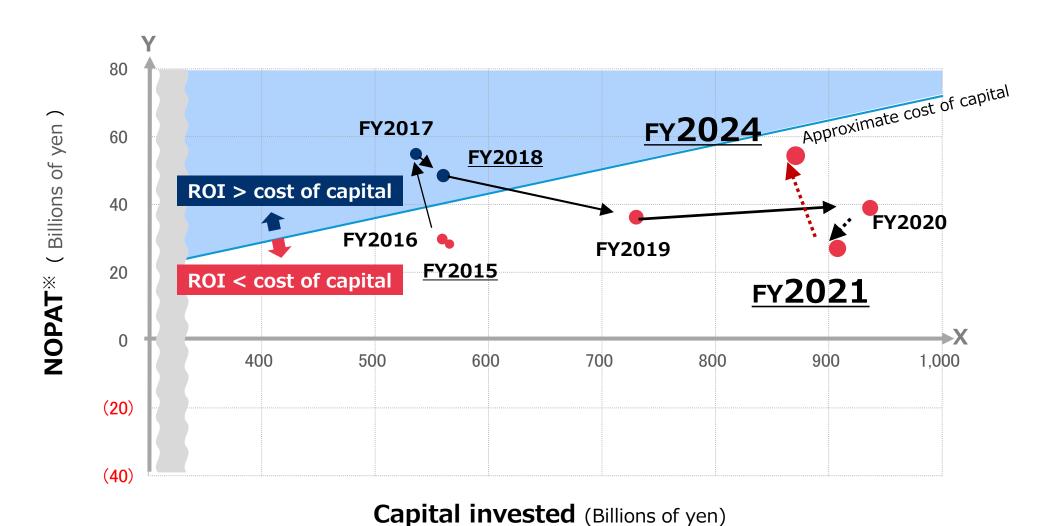
## Capital invested and NOPAT (Health & Crop Sciences)



Capital invested (Billions of yen)



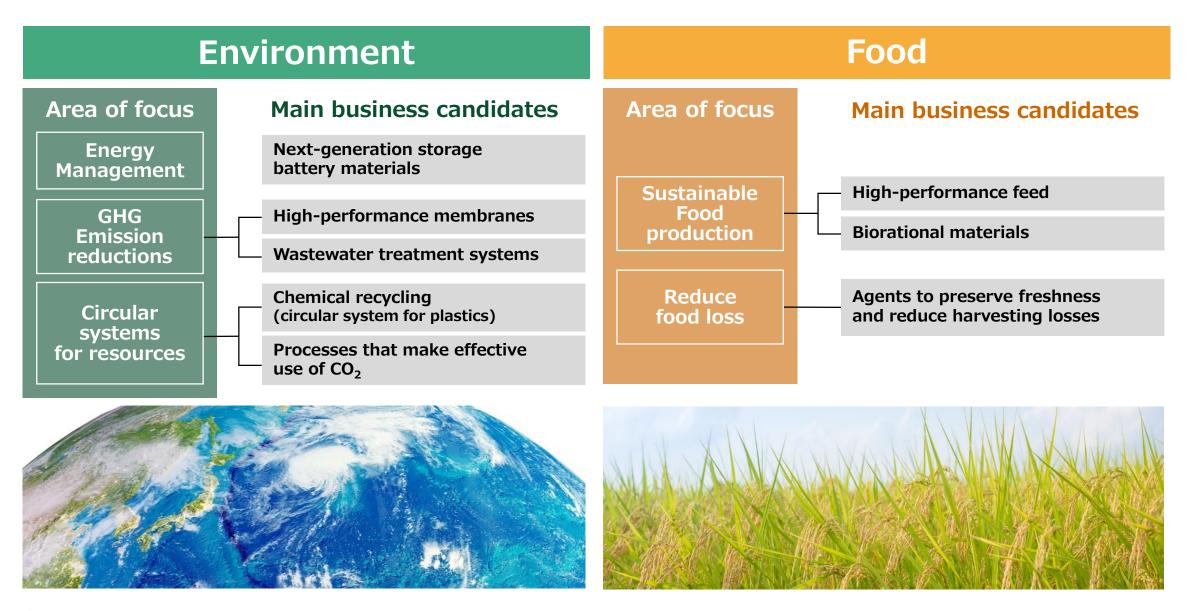
## **Capital invested and NOPAT (Pharmaceuticals)**



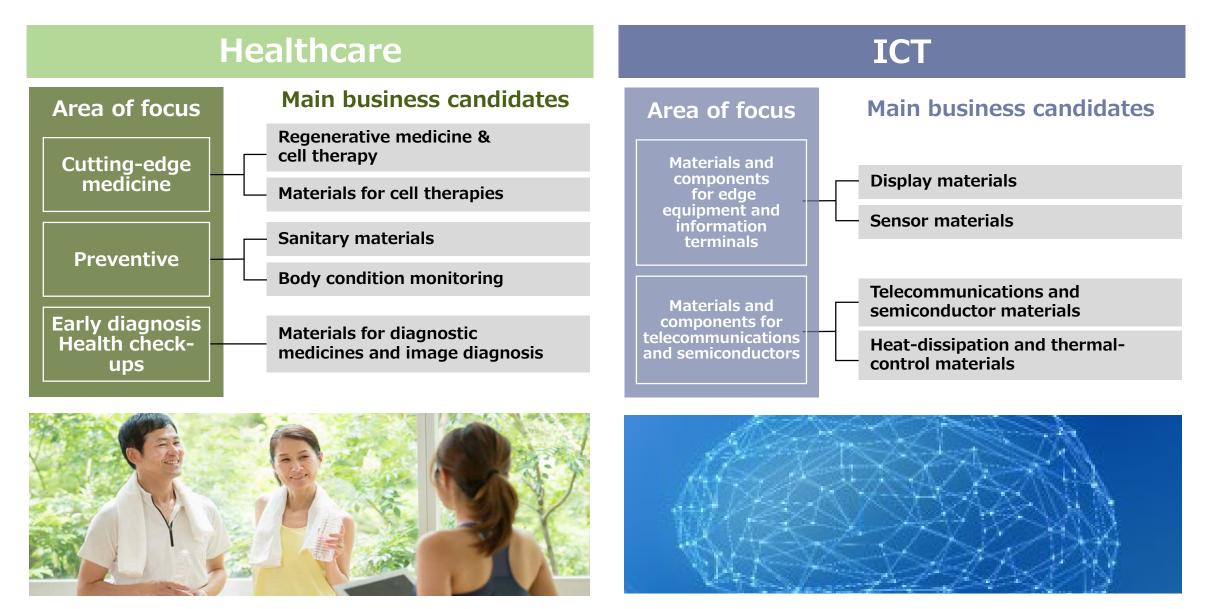




## Four priority areas of focus and main business candidates



## Four priority areas of focus and main business candidates



# Development progress and commercialization plans for pipeline of crop protection products

	Compound	Use	Evaluation	Full-scale development	Registration	Market launch
	INDIFLIN <sup>™</sup> (inpyrfluxam)	Agricultural fungicide e.g. Soybean rust		✓ Completed	✓ Registered	Launched in Japan, America, and Canada in 2020 Scheduled to launch in Brazil in 2022
B2020	PAVECTO <sup>TM</sup> (methyltetraprole)	Agricultural fungicide e.g. Septoria		✓ Completed	Registered in Japan	Scheduled to launch 2022-23
D2020	ALLES™ (oxazosulfyl)	Agricultural insecticide e.g. Major rice pests etc.		✓ Completed	Registered in Japan	Launched in Japan in 2022
	FUSEKI <sup>TM</sup> (pyridaclomethyl)	Agricultural fungicide e.g. Field crop and vegetable diseases		✓ Completed	✓ Submitted	Scheduled to launch as early as 2023
	Accede <sup>™</sup> (ACC)	Agricultural plant growth regulator		✓ Completed	Registered in America	Scheduled to launch in America in 2022
A2020	Rapidicil™ (epyrifenacil)	Next-generation herbicide effective against herbicide-resistant weeds		✓ Completed	✓ Submitted	Scheduled to launch in 2025
	Pipeline C	Botanical insecticide for agriculture and household hygiene		✓ Completed	✓ Submitted	
T2030	Pipeline A	Agricultural fungicide	Evaluation in progress			

#### Material Issues that We will Address as Management Priorities

#### Material Issues for Sustainable Value Creation\* Material issues for Material issues for social value creation future value creation **Contribute to the environment Advance innovation** Climate change mitigation and adaptation Contribute to recycling resources Sustainable use of natural capital **Bolster competitiveness leveraging DX** Contribute to the food supply Advance sustainable agriculture **Human resources:** DE&I\*, growth & development, Contribute to healthcare health **Contribute to ICT** \*Diversity, Equity & Inclusion Foundation for Business Continuation\* Occupational safety and health, Product safety and Respect for human rights and operational safety and disaster prevention quality assurance Anti-corruption Cybersecurity Compliance

#### **Cautionary Statement**

Statements made in this document with respect to Sumitomo Chemical's current plans, estimates, strategies and beliefs that are not historical facts are forward-looking statements about the future performance of Sumitomo Chemical. These statements are based on management's assumptions and beliefs in light of the information currently available to it, and involve risks and uncertainties.

The important factors that could cause actual results to differ materially from those discussed in the forward-looking statements include, but are not limited to, general economic conditions in Sumitomo Chemical's markets; demand for, and competitive pricing pressure on, Sumitomo Chemical's products in the marketplace; Sumitomo Chemical's ability to continue to win acceptance for its products in these highly competitive markets; and movements of currency exchange rates.