# 0→1 MAKE IT HAPPEN

# FY23-2 Chemistry for Sustainable World CEO PRESENTATION



橋本 修 HASHIMOTO Osamu Mitsui Chemicals, Inc. President & CEO

November 28, 2023

## Message

Mitsui Chemicals was established on October 1, 1997, as a result of the merger between Mitsui Petrochemical Industries and Mitsui Toatsu Chemicals. Thanks to a variety of M&As, an expansion in mid-career hiring and a push to appoint talents from outside the company over the 26 years since then, the Mitsui Chemicals Group now has a diverse workforce from a wide range of backgrounds, with more than 80% of our staff having joined after the merger.

On top of boasting such diversity, Mitsui Chemicals also has change and innovation woven into its very DNA, which has been shaped by more than a century of history. Starting in 1912, the first generation of our company ventured into coal chemistry and the second into the petrochemicals sector. Both eras saw our company demonstrate the entrepreneurial spirit as it took on the challenge of solving social issues. Now, we are entering another period of great change that should be described as our third generation: the age of green chemicals, which will include replacing fossil fuels with alternative raw materials and making other efforts to reduce the environmental impact of business. The Mitsui Chemicals Group seeks to be a first mover as it works to help build a sustainable society.

The global environment surrounding our business is changing day by day – we are confronted by growing geopolitical risks including conflict in the Middle East, Russia's invasion of Ukraine and friction between the U.S. and China, not to mention the sluggish pace of economic recovery and fluctuating interest rates. However, the Mitsui Chemicals Group will not be swayed from its quest to steadily implement the Basic Strategy of VISION 2030.

In addition, we will demonstrate our high regard for communication with our stakeholders as we continue, day by day, to take on the challenge of achieving VISION 2030 and sustainable growth.

November 2023 HASHIMOTO Osamu President & CEO





# Business Performance Full-year outlook for FY23

# **VISION 2030**

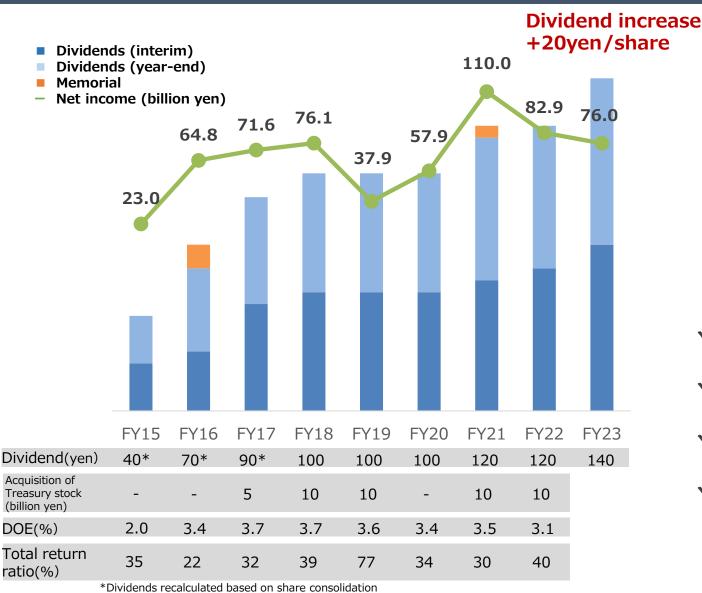
Contents

Basic policies toward 2030 Measures in line with our five-point Basic Strategy

Items	FY2021	FY2022	FY2023	FY2023	FY202 August Ou → November	utlook
(JPY bn)	Results	Results	August Outlook	November Outlook	Increase (Decrease)	Rate
Sales revenue	1,613	1,880	1,850	1,757	△ 93	-5%
Operating income before special items	162	114	125	112	△ 13	-10%
Non-recurring items	△ 15	15	riangle 10	△ 15	△ 5	-
Operating income	147	129	115	97	△ 18	-16%
Financial income / expenses	△ 6	△ 12	△ 3	1	4	-
Net income attributable to owners of the parent	110	83	84	76	△ 8	-10%
Exchange rate (JPY/USD) Domestic standard naphtha price (JPY/KL)	112 56,600	135 76,600	139 69,000	145 70,300	6 1,300	
Growth domains	88	102	121	121	0	0%



# Provide stable and continuous shareholder returns



FY23 dividend outlook
 Interim Year-end Full year

**70 + 70 = 140** JPY/share JPY/share

- ✓ Target DOE: 3.0% or more
- ✓ Stable and continuous dividend
- ✓ Flexible acquisition of treasury stock
- ✓ Target total return ratio: 30% or more



# Contents

# Business Performance Full-year outlook for FY23

# **VISION 2030**

# **Basic policies toward 2030**

Measures in line with our five-point Basic Strategy

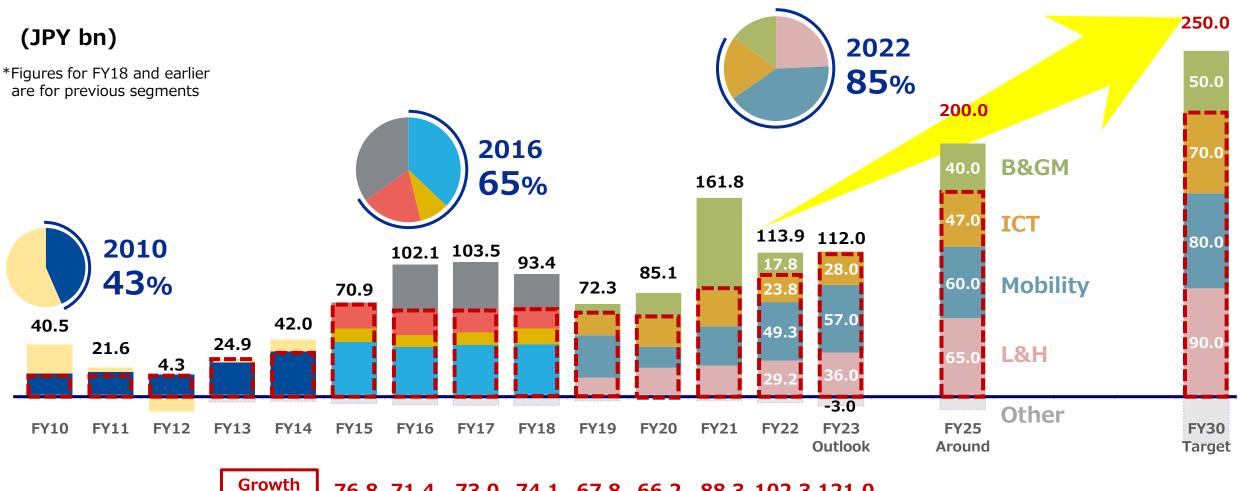


- We have set a target of reaching 200 billion yen in operating income before special items by fiscal 2025, as a checkpoint for achieving our 2030 goals. To help achieve this target, we will implement strategies based on the basic policies laid out below in a speedy fashion.
  - We will continue to implement thorough cash flow management to prepare for growing uncertainty in international affairs and sudden changes in the business environment.
  - We will press on with effective KPI management based on both financial and non-financial perspectives, using these metrics to drive increases in corporate value.
  - As well as stepping up the pace of business portfolio transformation, we will aim to further reduce volatility by accelerating the second phase of Basic & Green Materials (B&GM) business restructuring. This will include establishing an optimized production setup at our crackers, among other efforts.
  - To swiftly implement our carbon neutrality initiatives in society, we will expand and speed up regional and multi-company collaborations as a first mover.
  - We will strengthen our business foundations by pursuing digital transformation and work style reform.
  - We will consider further boosting shareholder returns in line with the rise in profit levels. We will also seek to raise the level of our ROE and aim for additional improvements in capital efficiency.

## Increasing profit through steady expansion of growth domains and further progress with B&GM restructuring

Mitsui Chemicals

Nov 28, 2023

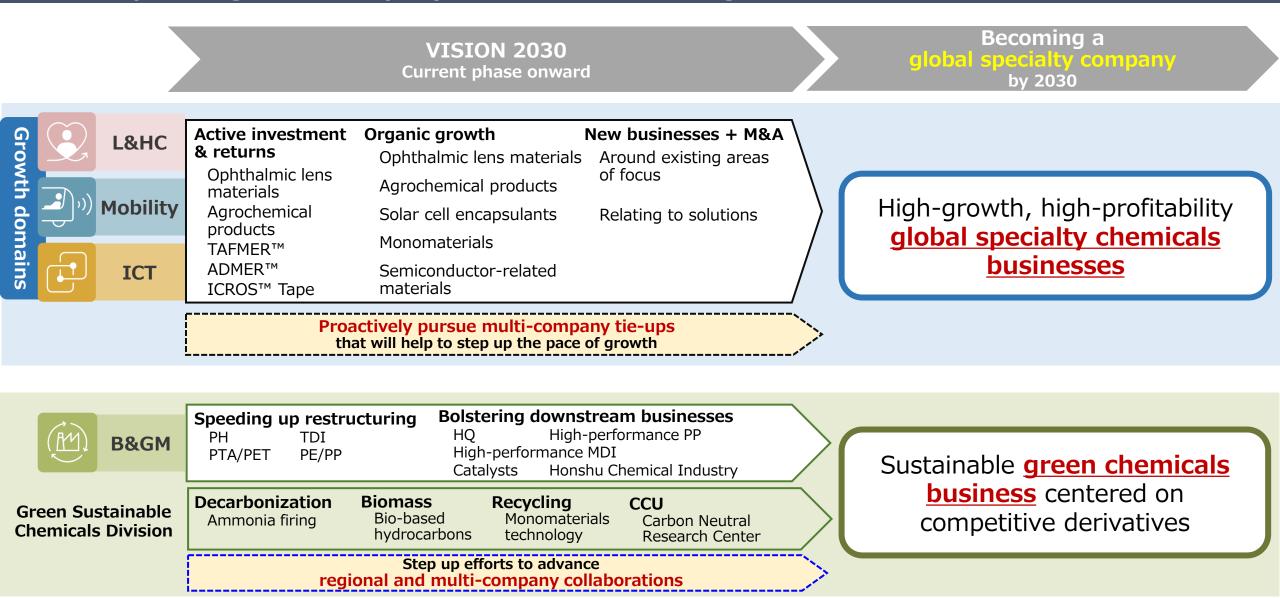


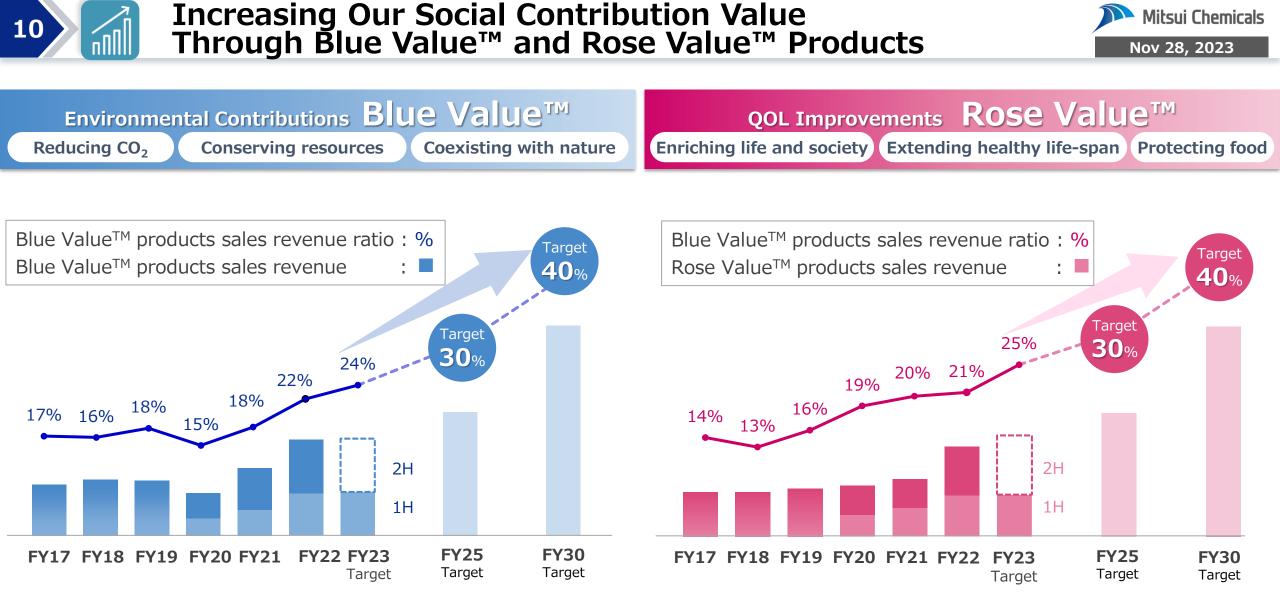
domains

76.8 71.4 73.0 74.1 67.8 66.2 88.3 102.3 121.0



# Becoming a truly global specialty company by advancing strategies and pursuing multi-company collaborations in the growth domains as well as B&GM





Aiming to combine corporate growth with social contributions through ongoing business portfolio transformation, amid strong sales revenue from Blue Value<sup>™</sup> & Rose Value<sup>™</sup> products



# Contents

# Business Performance Full-year outlook for FY23

# **VISION 2030**

Basic policies toward 2030 Measures in line with our five-point Basic Strategy

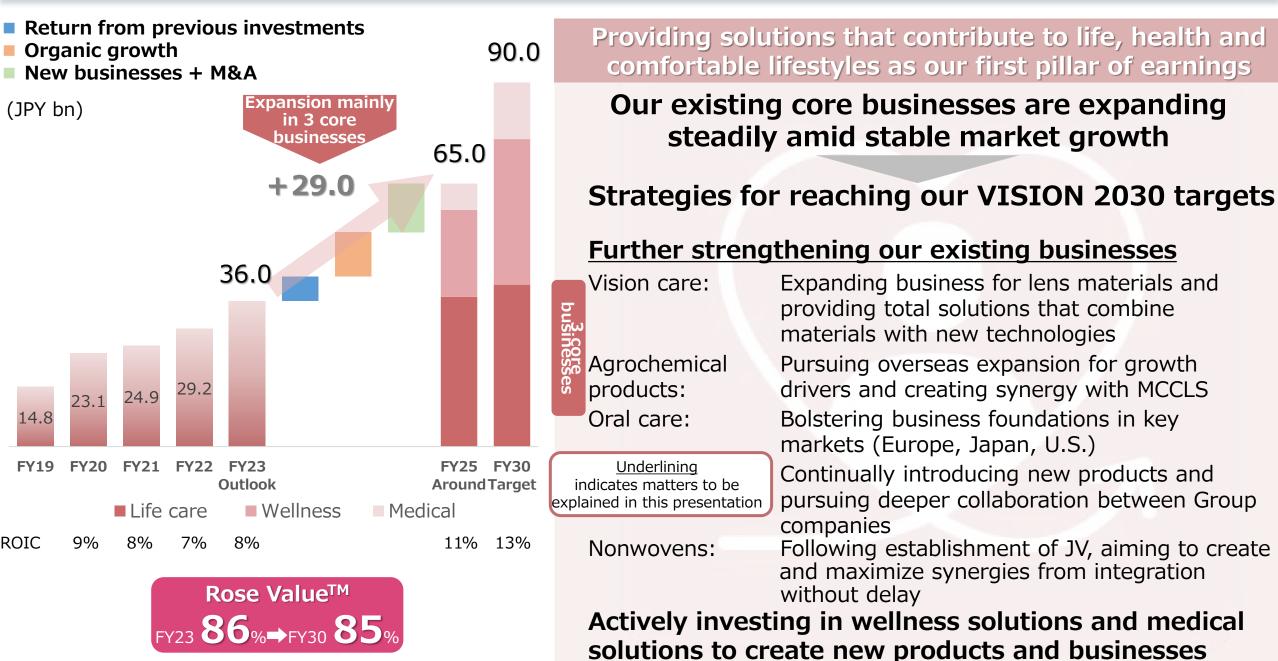
# <sup>12</sup> VISION 2030 Basic Strategy



STRATEGY		Pursuing business portfolio transformation	<ul> <li>Rolling out a social issue perspective in all of our businesses</li> <li>Achieving growth by expanding and fleshing out our business domains</li> <li>Accelerating structural reform of our existing businesses and transforming businesses with a focus on green materials</li> </ul>
STRATEGY	Cross Cross	Building solutions-based business models	<ul> <li>Creating new businesses by bolstering our business design capabilities</li> <li>Pursuing cross-organizational ties and strengthening cross-company partnerships</li> </ul>
strategy		Bolstering circular economy initiatives	<ul> <li>Building CE-based business models for all of our businesses</li> <li>Rolling out CE-compatible products by transitioning to alternative raw materials and fuels</li> <li>Developing and acquiring foundational technologies able to contribute to carbon neutrality</li> </ul>
strategy - <b>04</b> -	$\mathbf{c}\mathbf{o}$	Corporate transformation through DX	<ul> <li>Applying DX throughout our entire Group and all business domains</li> <li>Creating value by way of business-wide transformation spanning research, production, sales and SCs</li> </ul>
STRATEGY		Management and business transformation	<ul> <li>Popularizing a committed, eager attitude</li> <li>Improving engagement to bolster our organizational strength and transform our corporate culture</li> <li>Combining safe, secure operations with improved competitiveness at all our bases around the world</li> <li>Building sustainable SCs</li> </ul>

# Pursuing Business Portfolio Transformation Life & Healthcare Solutions



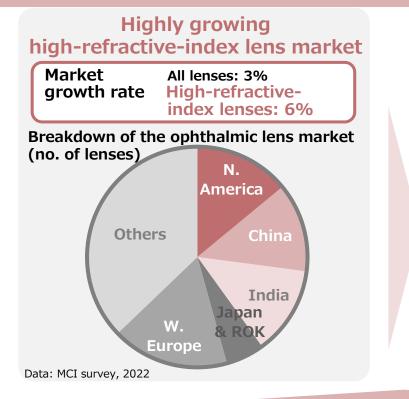


Life Care: Vision Care



#### Nov 28, 2023

## Business expansion of MR<sup>™</sup> high-refractive-index lens material



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#### **MR™** expansion in key markets



a Switching from PC\*
 Carried by major retailers & growing online retail chains
 \*Polycarbonate

#### Switching from acrylic

**China** Holding regional seminars with the Optometric and Optical Association, etc.

#### Switching from glass

India Increase in supply accompanying lens manufacturers' expansion of local production

#### Expansion of a stable supply system to support growth

Start of commercial operations at expanded plant (from December 2023) Planning next capacity increase (Refractive index 1.60/1.67/1.74)

Further enhancement of our global intellectual property network of patents & trademarks to sustain high quality

Contribution to a wide range of vision care sectors, from lens materials to processing equipment

(MR"

Synergy creation in the lens processing sector



Joint development & sales of new products Photochromic lens

processing system

(launched September 2023)

Coating materials On-demand production at optical labs Inventory reduction

Productivity improvement

CrystalChrome



# Stepping up global expansion

Bolstering sales functions in Latin America & East Asia Opened a branch office in India

Further increase in value through promoting collaboration

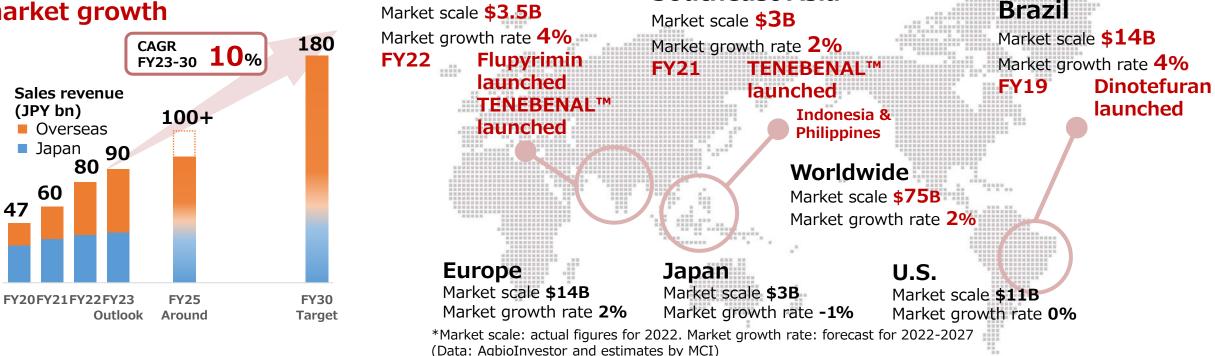
India



Expanding business by launching new agrochemicals to tap into key overseas market growth and replacement demand

Southeast Asia

# Expansion exceeding market growth



## **Expediting research into natural agrochemicals**

Opened Mitsui Chemicals Crop & Life Solutions × Tohoku Uni. Purpose Co-creation Research Center for Biological Solutions



establish the technology needed for commercial production methods

To create new agrochemicals that leverage the secondary metabolite production systems of microorganisms and to

Period October 1, 2023 – March 31, 2027



Graduate School of Pharmaceutical Sciences, Tohoku University (Aobayama Campus) Life Care: Nonwovens



Asahi **KASEI** 

Plant-based material (PLA)

Promoting portfolio transformation by bolstering industrial materials

Mitsui Chemicals

**Polyolefin materials design** 

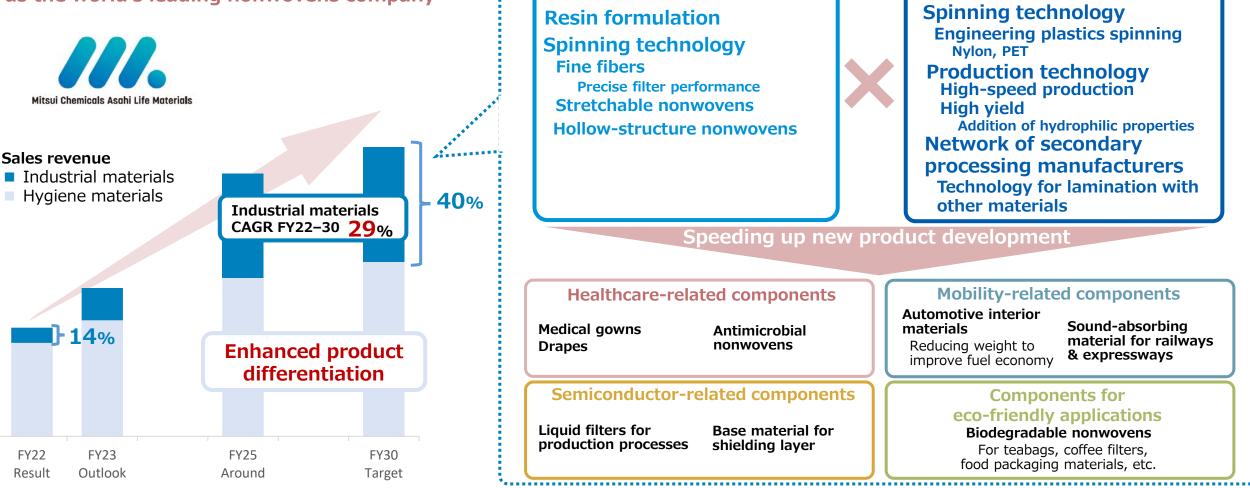
Increasing synergies by combining materials design & processing

technology via greater post-merger technology integration

#### Mitsui Chemicals Asahi Life Materials established (October 2023)

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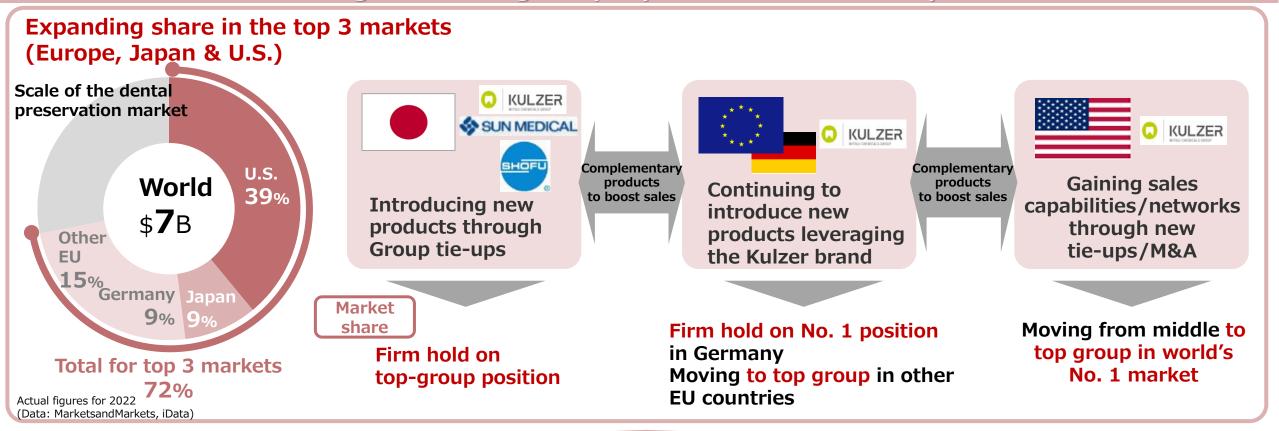
Leveraging outstanding technical capabilities in an effort to meet social needs in tangible form as the world's leading nonwovens company





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Leveraging polymer science technologies and collaboration among Group companies to become a global leading company in the field of dental preservation



#### Developing proprietary products & services to support growth



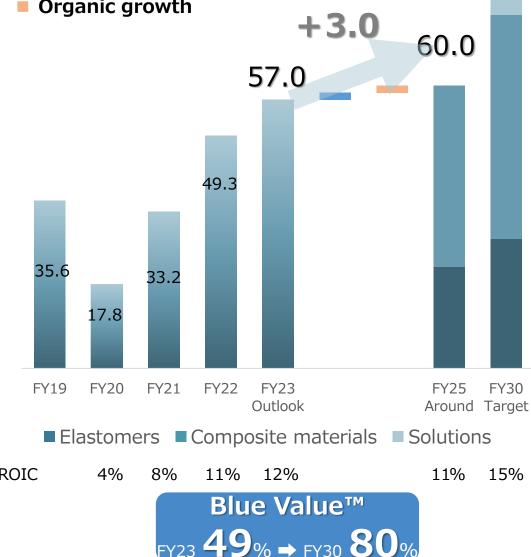


**Pursuing Business Portfolio Transformation Mobility Solutions** 



(JPY bn)

- Return from previous investments
- Organic growth



80.0+

Providing unique materials, features and services to help solve social challenges and let us achieve sustainable business growth

Despite slow growth in automotive production, our shift of focus to growth markets and differentiation is proceeding smoothly. We aim to exceed our targets in our materials business in particular.

## Strategies for reaching our VISION 2030 targets

## Pursuing expansion of our strong existing materials business

Speeding up our sales transition to a focus on growth markets\* and differentiation

\*Including renewable energy, automotive sustainability, eco-friendly packaging materials, etc.

Boosting earnings by increasing production capacity for differentiated brands

## **Strengthening our solutions business**

Underlining indicates matters to be explained in this presentation

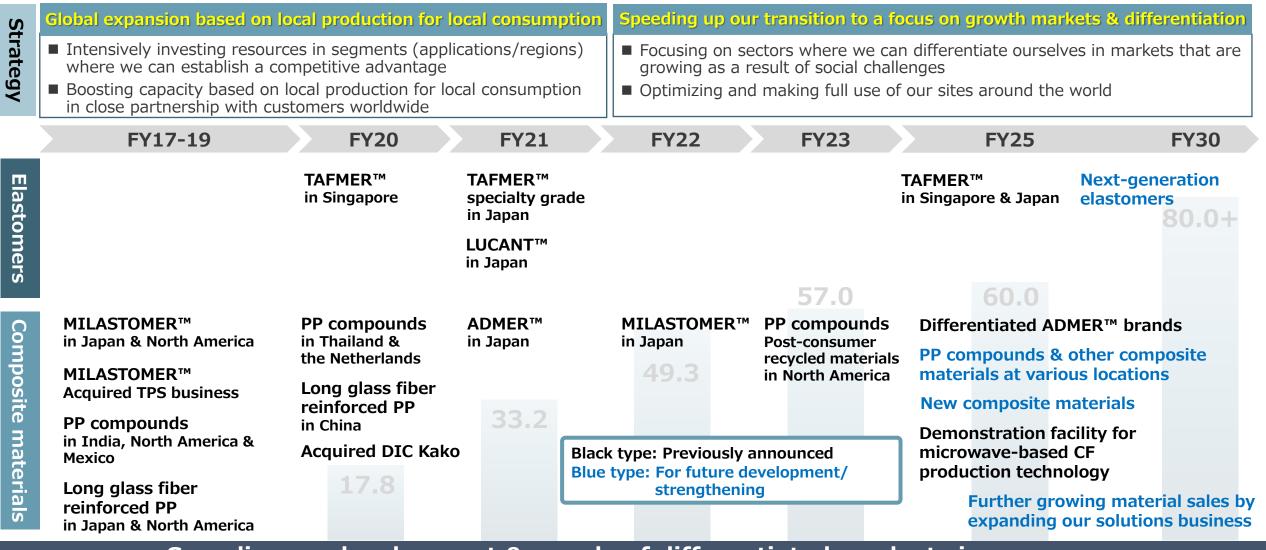
Creating new business models



## **Materials Business**



# Investing resources in line with strategies since VISION 2025 is delivering steady growth, with the prospect of exceeding our targets

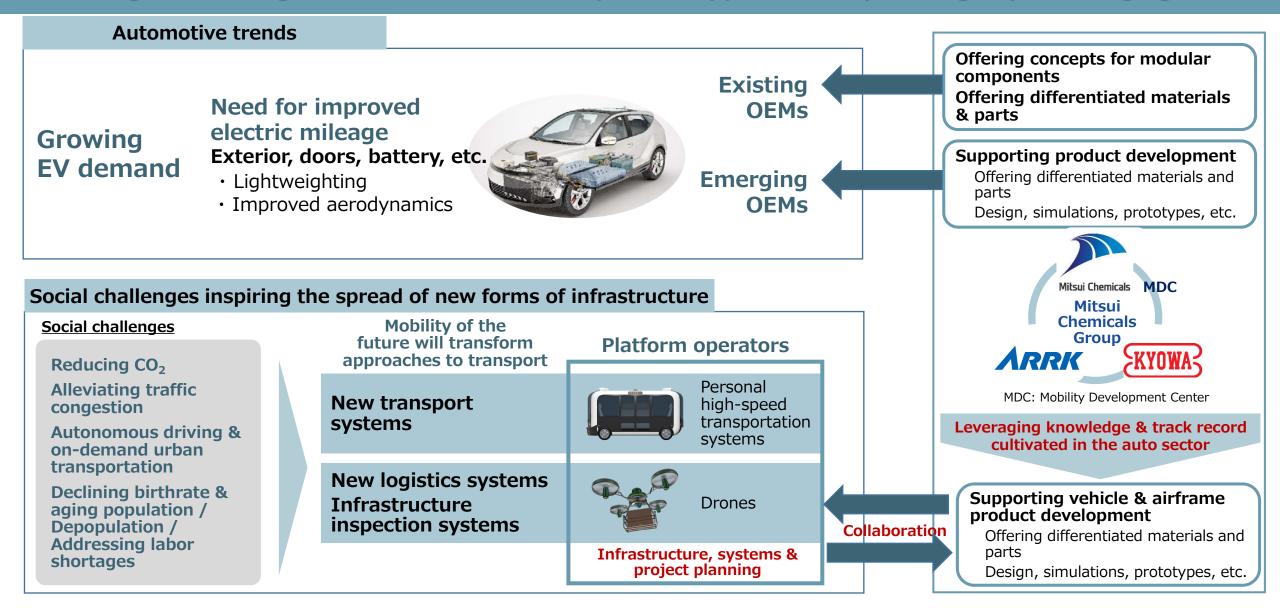


Speeding up development & supply of differentiated products in response to changing needs arising from social challenges, e.g. the shift to EVs



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### Providing a wide range of materials and development support with a precise grasp of changing needs



21 Pursuing Business Portfolio Transformation ICT Solutions



#### (JPY bn)

- Return from previous investments
- Organic growth
- New businesses + M&A

70.0

Creating and growing a "unique" ICT Solutions business to grow operations here into our third pillar of earnings

Continuing to boost capacity and develop products focused on new needs in the interests of mediumto long-term growth, despite sluggish markets for semiconductors, smartphones and the like

# Strategies for reaching our VISION 2030 targets

#### Boosting our competitiveness in the areas of semiconductor & assembly solutions and imaging solutions

ICROS™ Tape:	Expanding production capacity and augmenting our
	product portfolio in new areas
Pellicles:	Reaching the No. 1 position by strengthening our EUV business and leveraging our acquisition of Asahi Kasei's
	business
APEL™, etc.:	Introducing new materials to capture the demand of the growing XR market

Addressing demand for eco-friendly products in the area of converting solutions

## Strengthening both the ICT & PS\* businesses via the Mitsui

Chemicals Tohcello split \*Packaging Solution

<u>Underlining</u> indicates matters to be explained in this presentation



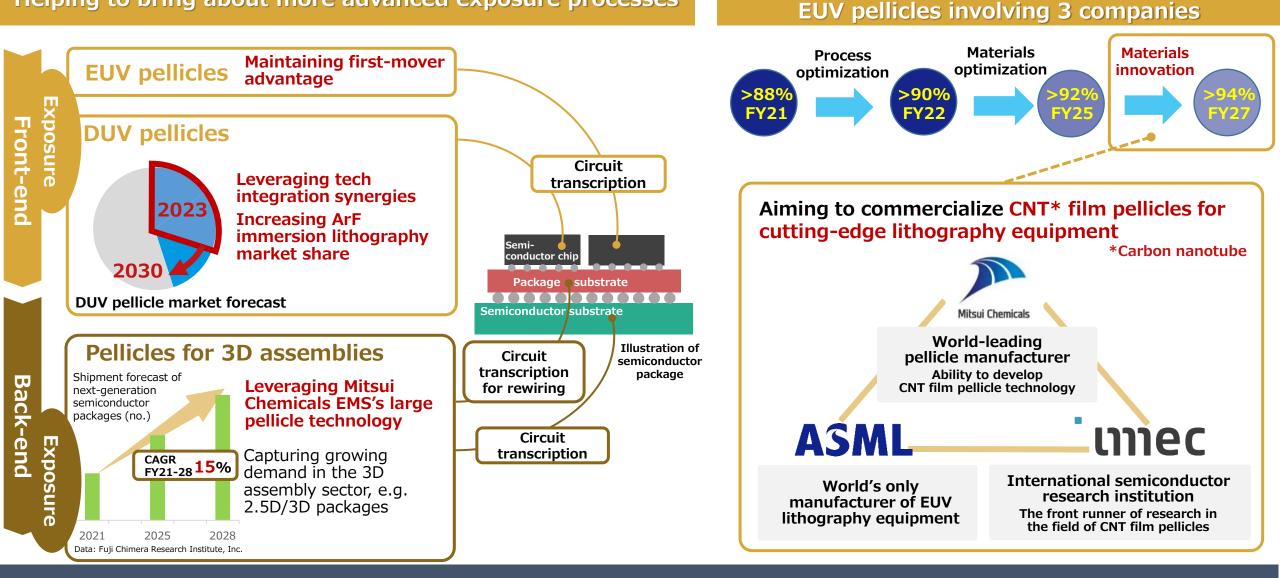
Semiconductor & Assembly Solutions: Pellicles

Helping to bring about more advanced exposure processes

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Nov 28, 2023 Joint development of next-generation

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Securing a dominant position by being the first into cutting-edge markets





# Pursuing swift & flexible execution of strategy, with a focus on strong core businesses

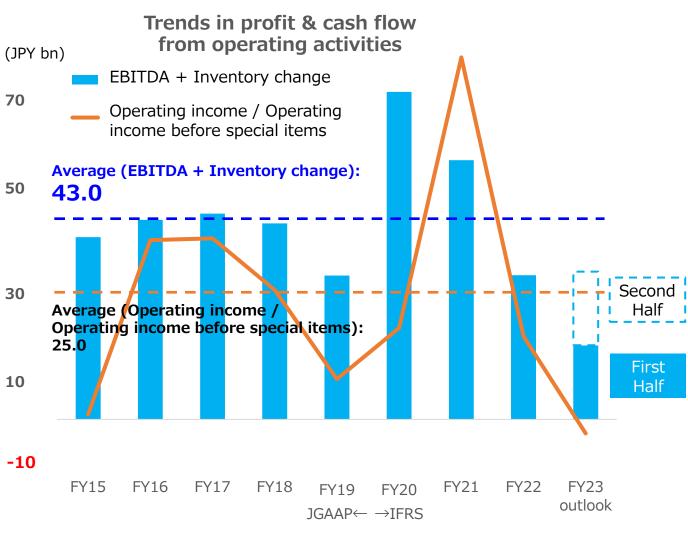
S	<u>Business</u> <u>environment</u>	Mitsui Chemicals Tohcello	Mitsui Chemicals ICT Materia
emiconductors	Medium- to long-term growth Continuous technological innovation, e.g. miniaturization & multi-layer structures	ICT business ICROS <sup>™</sup> Tape Growth in existing sectors First to enter new sectors & establishment as de facto standard SP-PET <sup>™</sup> Growth in high-end sectors	Strategy Securing unparalleled competitiveness by focusing on ICT business, pursuing Group-wide synergies & exploring potential new tie-ups
Flexible packagi	<u>Business</u> <u>environment</u> Japan: Mature market Asia: Ongoing growth Growth in	PS* business *Packaging Solution Strengths Wide-ranging product lineup & diverse array of differentiated product lines Expansion into Asian markets	Stable supply of materials Resin technology MCI Strategy Stabilizing the earnings base through scale expansion in Japanese OPP/CPP market Creating higher added value
	eco-friendly packaging	SunTox Strengths Product lines aimed at everyday food items sold at convenience stores & supermarkets, etc.	Rengo         Defines itself as a GPI*         & focuses on flexible         packaging materials         *General Packaging Industry





Reducing volatility and strengthening the business foundations by accelerating the second phase of restructuring

## **Stable cash flow ensured** ⇔ **Profit still highly volatile**



#### **External environment Changes in Japanese** PH market Second (Business withdrawal by (Japan) clients) phase PET Influx of products from (Japan) abroad **Promoting** further **Stagnating Chinese** restructuring economy PE/PP to stabilize Influx of products from abroad profit **Dwindling derivatives** Crackers demand PTA **Dwindling domestic** Shutdown completed demand (Japan) August 2023 TDI **Continued global** Downsizing oversupply (Japan) July 2025



## Improving Capital Efficiency by Promoting the Second Phase of **Restructuring and Bolstering Downstream Businesses**



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	FY13-17	FY18-22	FY23-25	Ideal state	
	Securing stable earnings via restructuring	Reducing volatility	Improving capital efficiency (8% ROIC by FY30)		
РН	AC-based IPA production starts	Honshu Chemical Industry takeover bid	2023: AC-based IPA capacity boost Mulling efforts to bolster production of HQ	Highly capital-efficient PH chain	
	Chiba BPA/PH plant closed	MPS share transfer	Mulling domestic downsizing $\star$		
PTA &	Indonesia PTA business	Thailand PTA & PET business partial share transfer	2023: Iwakuni-Ohtake PTA plant closed	Securing profit through	
PET	share transfer		2024: Iwakuni-Ohtake PET plant ★	optimal business structure	
Poly-	Bio-PPG joint venture established		2023: PPG LLP founded 2024: High-performance MDI plant to start up	High-profitability polyurethane - business centered on	
urethane	Kashima TDI plant closed Omuta MDI plant closed	MCNS dissolved	2025: Omuta TDI plant to be downsized	high-performance MDI	
	High-performance PE plant established in Singapore PP catalyst plant starts up		2024: High-performance PP plant to start up	Highly capital-efficient	
PP & PE	2 PE lines at Chiba closed		2023: 1 PP line at Chiba closed	high-performance polyolefins business	
	1 PP line at Chiba closed		Mulling optimization via multi-company collaborations		
Crackers	Chiba LLP founded Withdrawal from Keiyo Ethylene		Mulling reorganization & capacity optimization in line with demand ★	Competitive crackers	

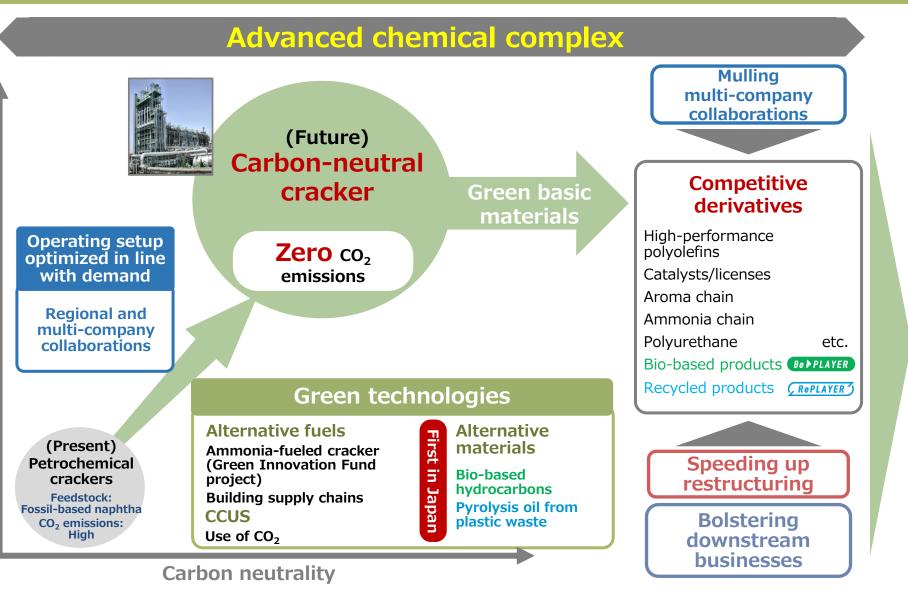
Blue type: Bolstering downstream businesses 🔆 : New initiatives Red type: Restructuring



Competitiveness

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Transitioning to advanced chemical complexes – with a focus on regional and multi–company collaborations - while also speeding up the shift to the green chemicals business



Shifting to the green chemicals business

Creating added value that enables us to successfully compete in the global market

Persistent efforts to improve capital efficiency



Bolstering Circular Economy Initiatives Be > PLAYER Un

Adoption of **Prasus** Bio-Based PP Produced Under the Mass Balance System



## Helping to reduce CO<sub>2</sub> by promoting the social implementation of bio-based products

## Japanese Consumers' Co-operative Union food packaging

First time the Eco Mark has been awarded for food packaging using bio-based PP produced under the mass balance system

Added to the certification standards in February 2023



Adopted for five products as of November, with rollout to additional products planned in due course

## Megloo reusable container sharing service

Reducing waste generated by takeaway meals from restaurants

#### Using bio-based materials in reusable containers

Support for Kaman, the company rolling out Megloo, via the Alliance to End Plastic Waste



Tableware designed by KUMA Kengo for the environmentally conscious brand hide k 1896 New material containing bio-based PP & wood flour produced from thinned wood

Made from **TRANSWOOD**, a new recyclable wood developed through the application of Toyota Auto Body's TABWD<sup>™</sup> in a new form



#### Adopted by

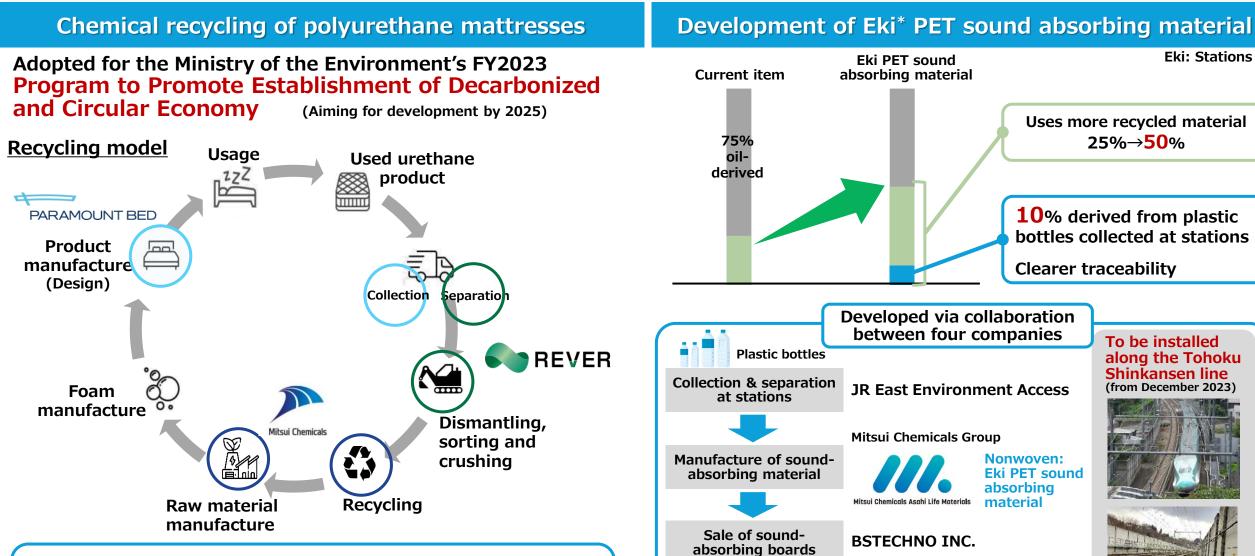
The Okura Tokyo / Palace Hotel Tokyo / Imperial Hotel Tokyo Rollout to additional clients planned in due course



Use at

railway facilities

East Japan Railway Company



Aiming to reduce industrial waste in the form of used mattresses by establishing low-carbon chemical recycling technology and a recycling system that includes collection

**Bolstering Circular** 

RePLAYER

**Economy Initiatives** 

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**Planned locations** for use

**Eki: Stations** 

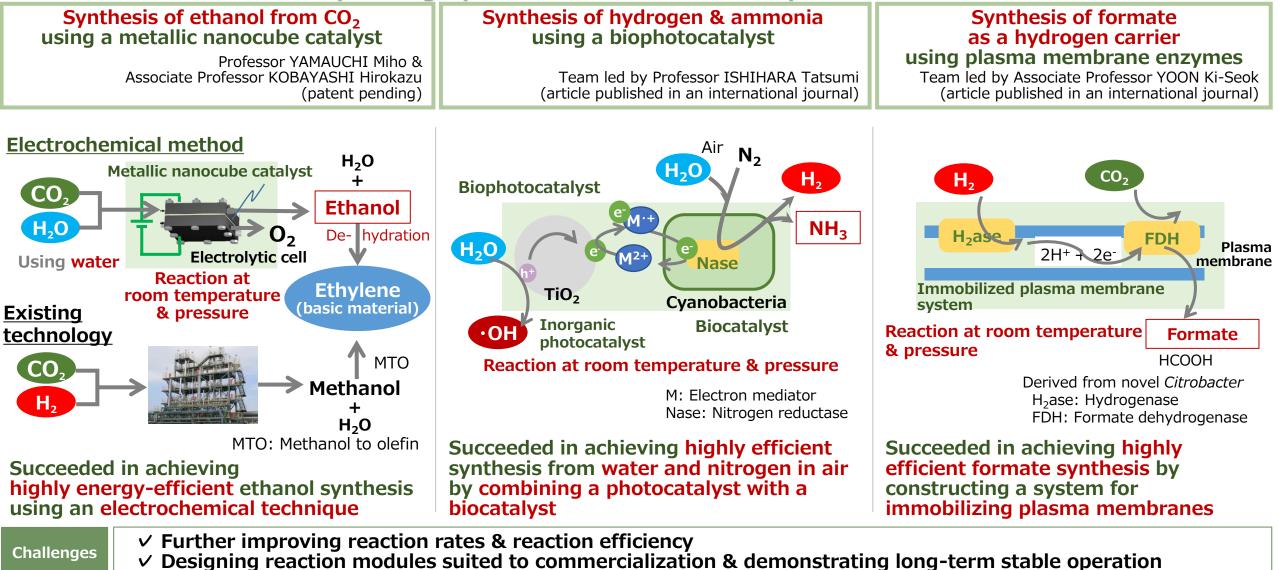
Bolstering Circular Economy Initiatives Technology Development for Carbon Neutrality



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Success in existing technology improvement & innovative technology development at MCI-CNRC Speeding up efforts toward social implementation



MCI-CNRC: Mitsui Chemicals, Inc. – Carbon Neutral Research Center



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#### NAGORI<sup>™</sup> selected for a new shaver housing

#### Panasonic Corporation: LAMDASH PALM IN (launched September 2023)



#### Texture similar to ceramic or natural stone Mineral-derived antibacterial and antiviral properties\*

(\*Awarded SIAA marks by the Society of Industrial Technology for Antimicrobial Articles)

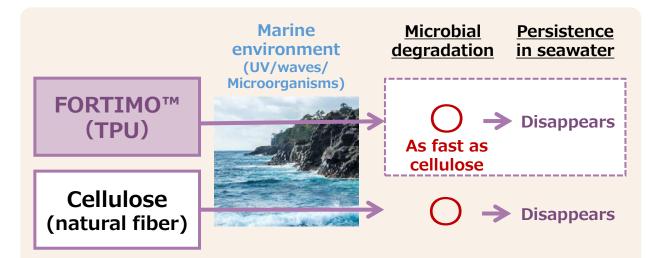
### What is NAGORI<sup>™</sup>?

# A new composite material made with up to 75% mineral components from seawater

Aimed at mitigating looming marine environmental issues and also at encouraging future use of brine discarded in the seawater desalination process **Development of marine-degradable polyurethane** 

A specific grade of FORTIMO<sup>™</sup>-based thermoplastic polyurethane elastomer (TPU) confirmed to demonstrate marine degradability at least equivalent to cellulose\*

Shedding light on marine degradability mechanisms and developing brands, applications and markets





\*Conference presentation & article by Research Professor TAKAHARA Atsushi Building Solutions-Based Business Models Enhancing Systems for Identifying & Cultivating New Businesses

Increasing the quantity & quality of candidate projects to create the next generation of core businesses

① Identifying new business candidates



Using suggestions from domestic & overseas affiliates to identify **region-specific** social challenges and ideas that leverage **each company's distinctive features** 

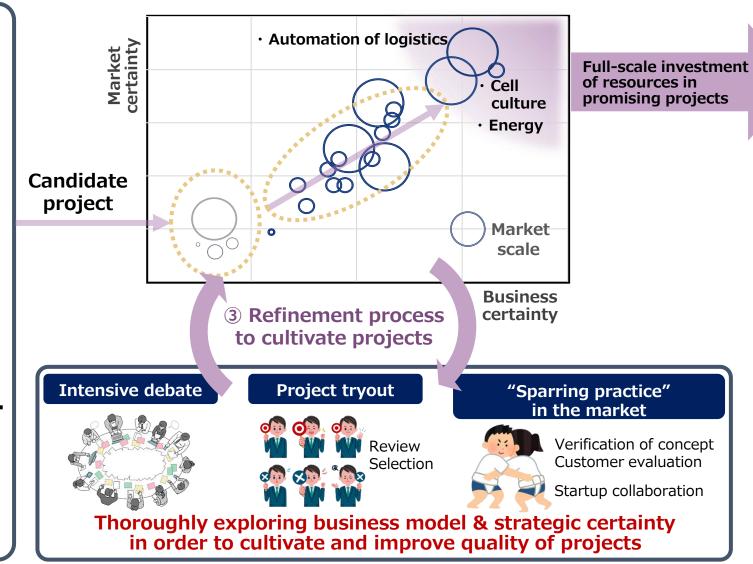
New Business Incubation Center (NBIC) provides support to improve the quality of ideas

CVC



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Tapping into external resources to acquire the seeds of future business endeavors



**2** Monitoring based on our own transparent & fair indicators

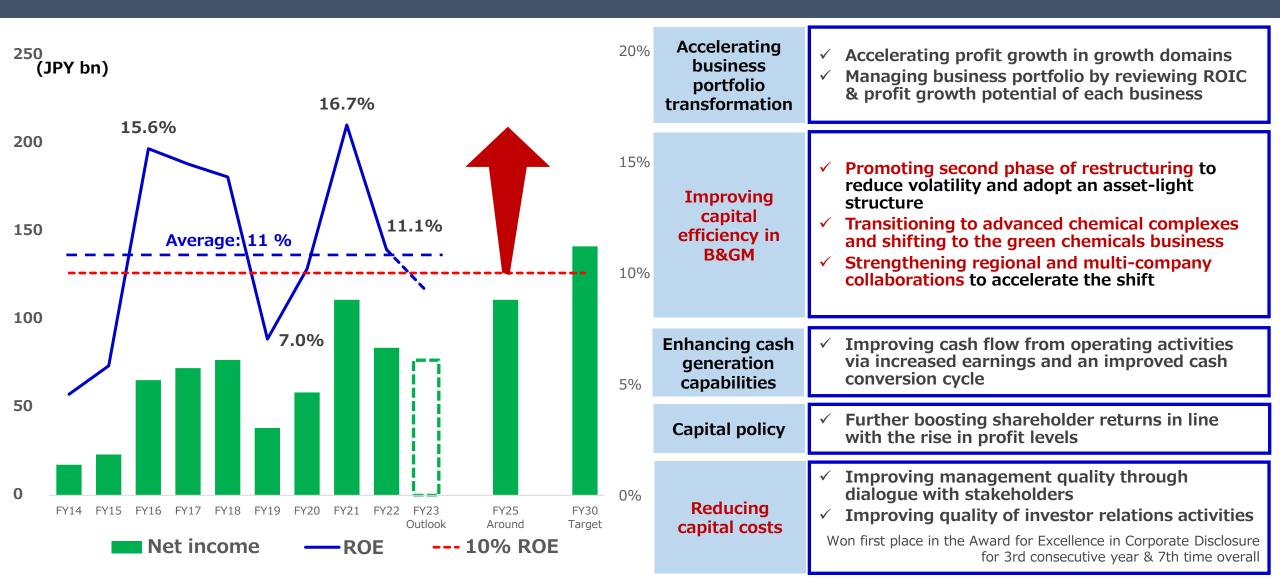
ext--gen  $\mathbf{\cap}$ Ore business

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# 32 Aiming to Increase Corporate Value

Seeking to increase our P/B ratio by raising the level of ROE (under consideration), accelerating profit growth in growth domains, promoting the second phase of restructuring, shifting to the green chemicals business and more



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	FY22 Results	FY23 Outlook	FY25 Around	FY30 Target
Operating income before special items (B yen)	114	112	200	250
Net income attributable to owners of the parent (B yen)	83	76	110	140
ROE	11.1%	9.2%	10% or more	10% or more
ROIC*1	5.4%	4.7%	7.0% or more	8.0% or more
NET D/E	0.77	0.73	0.8 or less	0.8 or less

\*1) ROIC (return on invested capital) = NOPAT/invested capital

#### 34 Reference | Summary of Targets-2

Introduction of advanced technologies

Implementation of advanced production technology centered on AI/IoT



#### Contributing to a quetainable cosists

• Stable production

Contributing to a sustainable society						
Material topics	KPIs	FY22 Results	FY23 Target	FY30 Target		
<ul><li>Climate change</li><li>Circular economy</li></ul>	Blue Value™ products sales revenue ratio	·22%	·24%	·40%		
<ul> <li>Health and livelihood</li> <li>Highly livelihe</li> </ul>	Rose Value™ products sales revenue ratio	·21%	·25%	·40%		
<ul> <li>Highly livable communities</li> <li>Food security</li> <li>Product design based on full life- cycle considerations</li> </ul>	GHG emissions reduction rate (Scopes 1 and 2) *compared to FY13	·27%	·26%	·40%		
Prerequisites for bu	isiness continuity					
Material topics	KPIs	FY22 Results	FY23 Target	FY30 Target		
Safety	Incidence of major accidents & serious occupational injuries	·Zero	·Zero	• Zero (over the course of VISION 2030)		
<ul> <li>Respect for human rights</li> </ul>	Response to human rights risks	•Revised & announced Human Rights Policy •Implemented human rights due diligence	<ul> <li>Implementation of human rights due diligence</li> <li>Establishment of internal structure for addressing human right risks</li> </ul>	<ul> <li>Identification &amp; correction of risks by setting up a human rights due diligence system for all of or bases, both domestic and abroad</li> </ul>		
Risk & compliance management	Incidence of major legal and regulatory violations	·Zero	·Zero	Zero     (over the course of     VISION 2030)		
Product quality	Incidence of PL accidents & serious product quality incidents	·Zero	·Zero	<ul> <li>Zero (over the course of VISION 2030)</li> </ul>		

•12 instances

•100 instances (Over FY21~30)

•10 instances

# **35** Reference | **Summary of Targets-3**



#### Abilities essential to business continuity

Material topics	KPIs	FY22 Results	FY23 Target	FY30 Target
Corporate     culture	Improvement of employee engagement Engagement score	<ul> <li>Implementation rate for improvement plans from our FY21 survey : 100%</li> </ul>	·36% or more	·50%
• Human capital	Key talent management Successor coverage rate for critical positions	·211%	•235% or more	·250%
	Diversity ·(MCI)Number of executive officers with diverse backgrounds (women, non-Japanese, mid- career hires) ·(MCI)Ratio of women in management positions (manager-level or above)	<ul> <li>Diversity rate of future executives: 17.8%</li> <li>5%</li> </ul>	<ul> <li>Diversity rate of future executives: 20% or more</li> <li>7% or more</li> </ul>	<ul> <li>10 or more <ul> <li>(including at least 3 <ul> <li>women)</li> </ul> </li> </ul></li></ul>
	Health-focused management •(MCI) Average rate of lifestyle-related disease •(MCI) Frequency of absences from work due to mental health disorders	·9.5% ·0.51	<ul><li>Less than 9.25%</li><li>Less than 0.47</li></ul>	·8.0% ·0.25
Digital     transformation	Training of DX specialists Number of data scientists	·34	·83	•165 (by FY25)
• Innovation	Pipeline expansion •Number of development themes in the latter half of our Stage Gate System	•Launched CVC operations •Stage 1 themes registered: 38	•Stage 1 themes registered: 30 or more	•Double or more (vs. FY20)
	Value creation for beyond 2030 Number of new areas of development at our Frontier Technology Center	<ul> <li>3 candidates</li> </ul>	•3 or more candidates	3 or more areas
• Partnerships	Sustainable procurement ratio	<ul> <li>Engaged in communications with partners to solidify our efforts in this area Improvement request meetings: 9 companies</li> </ul>	<ul> <li>Promotion of sustainable procurement</li> <li>Opinion exchange held with partners to build shared vision: 12 or more companies</li> </ul>	·80%

A global solutions company that leads change and contributes to a sustainable future Chemistry for Sustainable World



# Challenge Diversity One Team

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