



**Medium-term management plan for FY2025–27** 

April 10, 2025 Asahi Kasei Corporation





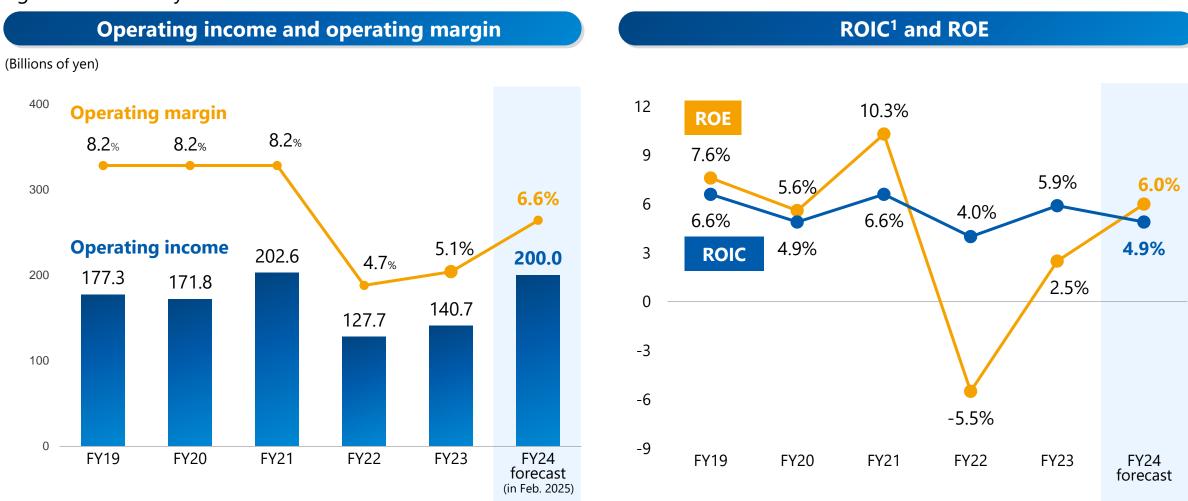
### **Contents**

- 1. Review of previous MTP (medium-term management plan)
- 2. What we aim for
- 3. "Trailblaze Together" MTP for FY2025–27
  - **3-1 Basic policy and targets**
  - 3-2 Business strategy by sector
  - 3-3 Strengthening the business platform



# Management indicators (operating income, ROIC, ROE)

Performance was impacted by factors in Material such as sluggish earnings in main businesses and impairment losses, but significant recovery of income seen in fiscal 2024



<sup>&</sup>lt;sup>1</sup> ROIC = (operating income – income taxes) ÷ average annual invested capital



# **Management indicators**

Net income also fell short of target due to sluggish operating income; nevertheless, financial health was generally maintained at a high level

	(Billions of yen)	FY2022	FY2023	(in February 2025)
	Net sales	2,726.5	2,784.9	3,044.0
	Operating income	127.7	140.7	200.0
	Operating margin	4.7%	5.1%	6.6%
	Operating income before amortization of goodwill	165.0	170.3	234.0
<b>Profitability</b>	EBITDA <sup>1</sup>	305.0	322.9	386.0
	EBITDA margin	11.2%	11.6%	12.7%
	Net income attributable to owners of the parent	-91.9	43.8	110.0
	EPS (yen)	-66.3	31.6	79.5
Capital officions	ROIC	4.0%	5.9%	4.9%
Capital efficiency	ROE	-5.5%	2.5%	6.0%
	D/E ratio	0.57	0.51	0.64
Financial health	Interest-bearing debt/EBITDA	3.1	2.8	3.1
iicuitii	Equity ratio	48.1%	49.5%	45.4%
	Exchange rate (yen/\$)	136	145	153

FY2024 initial plan (in April 2022)	
2,700.0	
270.0	
10.0%	
470.0	
17.4%	
200.0	
144	
≥8%	
≥11%	
110	

EV2024 forecast

<sup>&</sup>lt;sup>1</sup> EBITDA = operating income + depreciation and amortization (tangible, intangible, and goodwill)



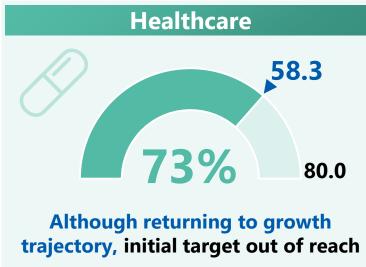
# **Performance by sector**

While Homes is generally on track to reach its target, Healthcare and Material will fall short

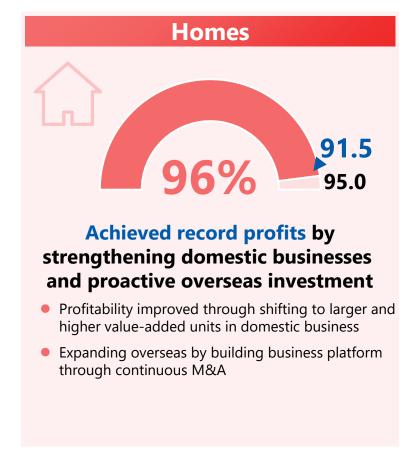
### FY2024 operating income attainment forecast

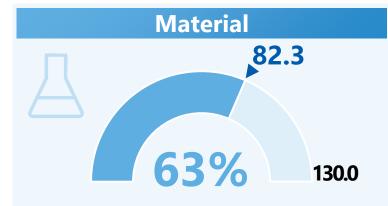
(Billions of yen)

Blue figures indicate forecast in February 2025, black figures indicate MTP targets in April 2022



- Critical Care has returned to a growth trajectory, but initial target is out of reach
- In Pharmaceuticals, Veloxis grew steadily, but expenses increased due to impact of acquisition of Calliditas
- Sluggish CDMO business due to slow market recovery





# Significant revision of strategies in response to sluggish income in separators and acrylonitrile

- Sluggish income in separators due to slowdown in automotive market
- Significant decline in acrylonitrile profit due to irreversible changes in the operating environment; acceleration of restructuring
- Steady income growth in electronic materials and ion-exchange membrane process for chlor-alkali electrolysis



# **Management indicators by sector**<sup>1</sup>

		(Billions of yen	FY2022 <sup>2</sup>	FY2023	FY2024 forecast (n February 2025)	FY2024 initial plan (in April 2022)
		Net sales (a)	496.9	553.8	620.0	530.0
		Operating income (b)	41.9	48.5	58.3	80.0
	Llooltheave	Operating income ratio (b/a)	8.4%	8.8%	9.4%	15.1%
	Healthcare	EBITDA(c)	106.4	118.7	138.0	140.0
		EBITDA rate (c/a)	21.4%	21.4%	22.3%	26.4%
		ROIC <sup>3</sup>	4.2%	4.5%	4.8%	8.8%
		Net sales (a)	899.0	954.4	1,043.0	930.0
		Operating income (b)	75.4	83.0	91.5	95.0
		Operating income ratio (b/a)	8.4%	8.7%	8.8%	10.2%
	Homes	EBITDA(c)	93.4	104.3	112.5	112.0
		EBITDA rate (c/a)	10.4%	10.9%	10.8%	12.0%
		FCF rate	1.3%	7.1%	-2.6%	5.6%
		ROIC <sup>3</sup>	27.1%	27.1%	24.7%	32.7%
		Net sales (a)	1,316.6	1,261.7	1,365.0	1,230.0
		Operating income (b)	41.0	42.6	82.3	130.0
	Material	Operating income ratio (b/a)	3.1%	3.4%	6.0%	10.6%
	Material	EBITDA(c)	128.5	119.9	153.7	237.0
		EBITDA rate (c/a)	9.8%	9.5%	11.3%	19.3%
		ROIC <sup>3</sup>	2.4%	2.6%	4.8%	8.0%

<sup>&</sup>lt;sup>1</sup> As figures in this table are results, forecasts, and plans for each sector, their sums do not equal the total consolidated figures.

<sup>&</sup>lt;sup>2</sup> Fiscal 2022 results retroactively adjusted to reflect the completion in the first quarter of fiscal 2023 of purchase price allocation for the acquisition of Focus Companies of the U.S. on October 31, 2022.

<sup>&</sup>lt;sup>3</sup> By business unit, ROIC = operating income (1 - tax rate) ÷ (fixed assets +working capital etc.); same on following pages.

# **Business portfolio transformation**

Business portfolio transformation, including both investments for growth and structural transformation, progressing largely as planned

### **Growth investment (major investments in GG10)**

FY22–24 cumulative investment in 10 Growth Gears (GG10) businesses to drive future growth<sup>1</sup>

≈¥700 billion

### Healthcare

### **Global Specialty Pharma**

 Acquisition of Calliditas Therapeutics, a pharmaceutical company headquartered in Sweden

### **Bioprocess**

 Acquisition of Bionova Scientific, a U.S. biologics CDMO, and expansion of business platform

### **Homes**

### **North American and Australian Homes**

 Acquisition of Focus Companies, a building components supplier in Nevada, and ODC Construction, a residential construction work subcontractor in Florida, in the U.S.

### **Digital Solutions**

Increased capacity for Pimel semiconductor buffer coat/interlayer dielectric

### Material

### **Energy Storage (separator)**

 Expansion of automotive LIB separators (integrated plant in North America and addition of coating facilities in U.S. and Japan)

### **Structural transformation**

А

Aiming to gain effect of structural transformation during medium-term management plan (FY22-24)

Sales of subject businesses (FY21 results)

>¥100 billion

### **Decisions adopted**

>¥80 billion

### **Material**

- Establishment of joint venture for spunbond nonwovens
- Divestiture of pellicles business
- Divestiture of businesses of Asahi Kasei Pax

#### Homes

Closure of Iwakuni Plant for AAC

### **Healthcare**

- Sepacell structural reform
- Divestiture of blood purification business
- Divestiture of diagnostic reagents business (scheduled for July 2025)

В

Structural transformation of petrochemical chain-related businesses from longer-term perspective

Sales of subject businesses (FY21 results)

≈¥600 billion<sup>2</sup>

# Naphtha cracker-related operations in Japan

- Advancing collaboration with Mitsubishi Chemical and Mitsui Chemicals
- Studying production optimization, including carbon neutrality of ethylene production facilities in western Japan and future capacity reductions, premised on the establishment of a joint operating entity

### **Other businesses**

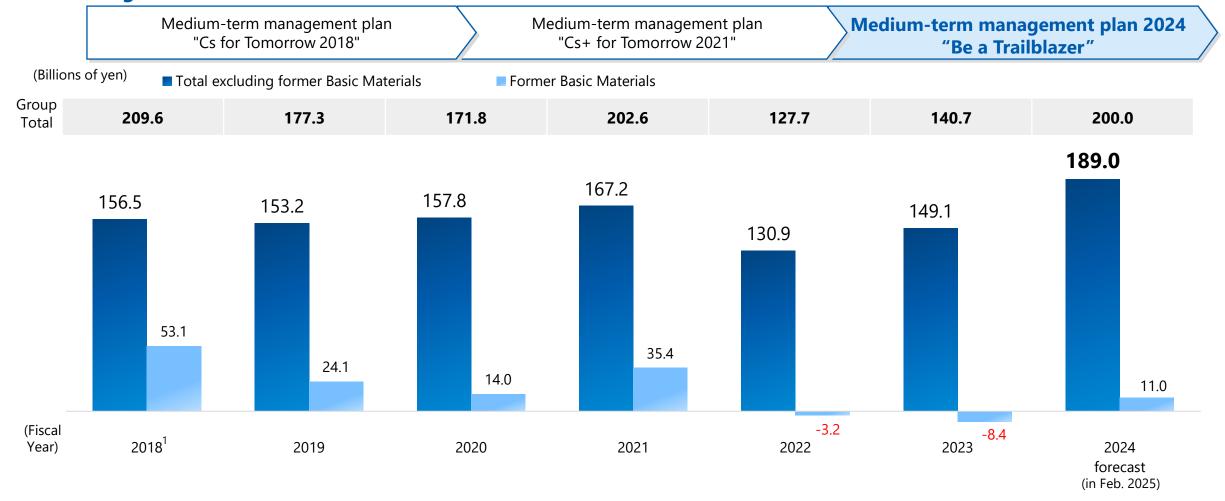
- Accelerating studies from the best-owner perspective
- Decision to discontinue acrylonitrile and other operations of PTT Asahi Chemical Co., Ltd.

<sup>&</sup>lt;sup>1</sup> Total amount including maintenance investments, etc. <sup>2</sup> Some overlap with category A



# Trend toward recovery of operating income

Progress in shifting to profit structure less dependent on general-purpose chemicals (former Basic Materials category), which are susceptible to market fluctuations; **total operating income excluding general-purpose chemicals forecasted to reach record high in FY2024** 



<sup>&</sup>lt;sup>1</sup> Figures for former Basic Materials based on the organization as of fiscal 2018



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### What we aim for in 2030

Two mutually reinforcing aspects of sustainability: Contributing to a sustainable society and sustainable growth of corporate value

### **Sustainable profit growth**

Operating income ¥380 billion (FY24–30 CAGR > 10%)

## **High capital efficiency**

**ROIC** ≥8% **ROE** ≥12%

## Continually creating innovative products, services, and business models

directly facing the world's challenges in various fields

Challenges taken on, issues addressed

**Vision by** 

sector











**Material** 

Providing sustainable solutions that contribute to a better life for people and the Earth by utilizing the technology and knowledge of materials and chemistry

**Homes** 

Enabling secure and enriched living through the provision of high-quality, highly durable homes and construction materials, and various related services

Healthcare

Contributing to the lives of people through the provision of innovative pharmaceuticals and medical devices that meet unmet needs under the mission "Improve and save patients' lives"



# **Diversity** × Specialty

### Asahi Kasei's characteristic

# **Diversity**

Abundant opportunities for growth

Ability to generate stable earnings



# **Specialty**

Differentiation from competitors

High added value and high profitability

**Healthcare** 

**Homes** 

**Material** 

**Financial foundations** 

Technology, IP, manufacturing expertise, digital platform

Brand strength and trustworthiness

**Diverse personnel** 

Management knowledge (portfolio management, M&A, etc.)

**Management foundations built over a century** 

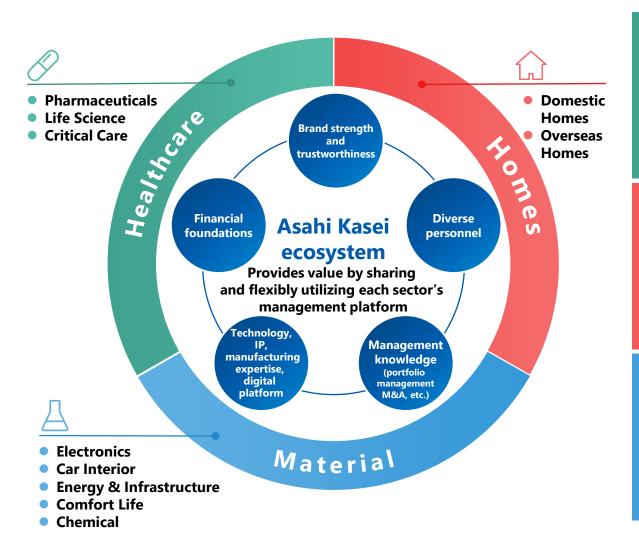
# Virtuous cycle through "Diversity × Specialty"

Highly stable management supported by diverse businesses

**Continually creating innovative**products, services,
and business
models

Taking challenges for bolder growth investments and new businesses

# Asahi Kasei's ecosystem and path to success in each sector



# **Healthcare**

- Focused on specific therapeutic areas
- Full use of M&A know-how and human resources



## **Homes**

- Unique positioning based on strengths such as human resources and branding
- Overseas expansion with business model based on domestic know-how

# $\triangle$ Material

- Generating earnings in niche areas leveraging accumulated technologies and expertise
- Approach to growth utilizing other companies' capital and alliances



**New businesses** 

and M&A

# **History of Business Portfolio Reform and Growth**

Withdrawal,

downsizing, or divestiture

2020s 2000s-2010s 1980s-1990s **Developing technologies and** 1960s-1970s businesses to address global **Expanded overseas** 1922-1950s **Accelerated globalization Expanded into** issues such as unmet operations and and expanded First synthetic ammonia petrochemicals, medical needs executed healthcare business production in Japan, homes, and climate change business through M&A expanded into resins healthcare. restructuring and fibers and electronics Ammonia Consumables • Electronic compass • Hydrogen production system • Electronic components Regenerated fiber Petrochemicals Car interior material (process verification) Lithium-ion battery Chemical fertilizer • Synthetic rubber Critical care devices Overseas homes separators Foods Construction Apartment buildings Overseas pharmaceuticals • Resin materials Thermal insulation Sleep apnea diagnosis/therapy • Synthetic fiber Unit homes Biologics CDMO Virus removal filters Pharmaceuticals · Viscose rayon, acrylic fiber, Artificial kidneys polvester Medical devices Photomask pellicles Petrochemical business Food packaging containers and film restructuring Foods Liquors



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# Targets and basic policies of the new medium-term management plan

Operating income: ¥200 billion
Operating income before amortization of goodwill: ¥234 billion
ROIC: 4.9% ROE: 6.0%

Operating income: ¥270 billion
Operating income before amortization of goodwill: ¥306 billion
ROIC: 6.0% ROE: 9.0%

Medium-term management plan FY25–27

> "Trailblaze Together"

Long-term perspective 2030

Operating income: ¥380 billion

ROIC: ≥8.0% ROE: ≥12.0%

"Be a Trailblazer"

Medium-term

management plan

FY22-24

Basic policies of the medium-term management plan for FY2025-27

**Profit growth by generating returns from investments** 

Improving capital efficiency through structural transformation and enhanced productivity

**Evolution of "Diversity × Specialty"** 



# **Evolution of "Diversity × Specialty"**

# Transitioning from an operating structure centered on Material to high-value-added businesses in diverse industries making high-level contribution to income



<sup>&</sup>lt;sup>1</sup> Percentages by sector exclusive of "Others" category and corporate expenses and eliminations; figures for FY2024 are forecasts announced in February 2025

# **Overview and financial targets of each business**

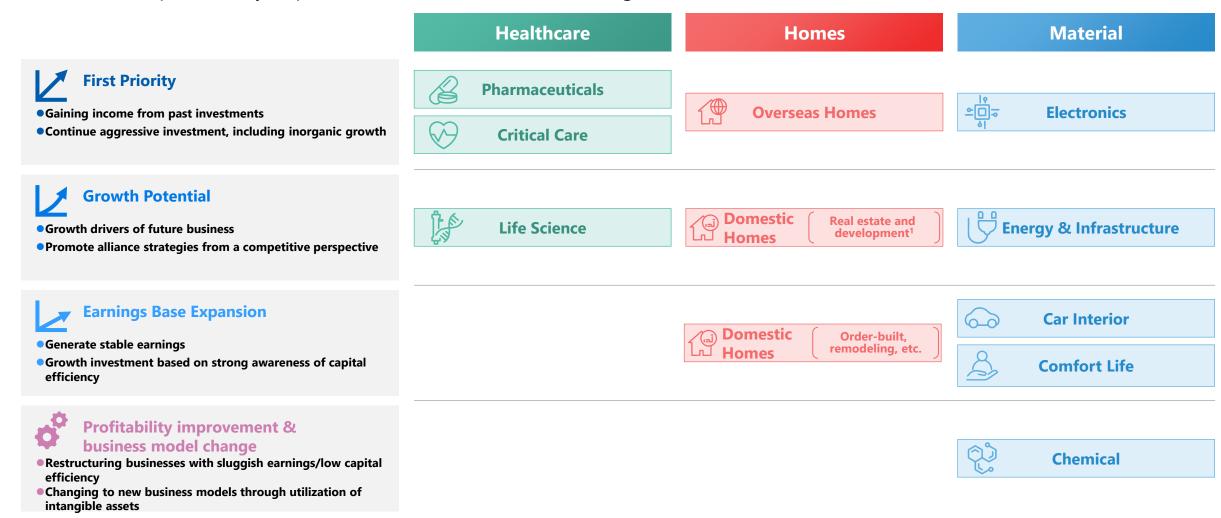
			Operationg profit (billion yen)			ROIC						
			Business field		Strategic positioning/b	asic orientation	FY24 forecast	FY27 plan	Difference	FY24 forecast		FY27 plan
Healthcare	<b>Pharmac</b>	ceuticals autoin	peutic areas of nmune, severe infection, llantation, and kidneys	Z	First Priority	<ul> <li>Focusing on disease areas with strengths</li> <li>Continuous M&amp;A and in-licensing to reach sales of ¥300 billion</li> </ul>	20.3	40.0	+19.7	3%		5%
	Life So	• Biopro	ocess	1	<b>Growth Potential</b>	<ul><li>Continuous expansion of virus removal filter business</li><li>Pursuing opportunities as a distinctive CDMO</li></ul>				370		
	Critica		able defibrillators ssional defibrillators, AEDs	Z	First Priority	<ul><li>Continued growth in North America</li><li>Expansion of new businesses in peripheral areas</li></ul>	38.0	55.0	+17.0	7%	•	13%
Homes	Domesti	• Real e			Real estate and development <sup>1</sup> Growth Potential Order-built, remodeling, etc. Earnings Base Expansion	<ul> <li>Strengthening order-built homes by shifting to higher added value</li> <li>Exploring medium-term growth opportunities related to real estate and development</li> </ul>	79.3	87.0	+7.7	42%	<b>&gt;</b>	39%
	Oversea		American homes alian homes	Z	First Priority	<ul> <li>Expanding regional coverage and strengthening the business model through continuous investment</li> <li>Improving productivity by utilizing expertise of Asahi Kasei</li> </ul>	12.2	33.0	+20.8	7%		11%
Material	° Electr		onic materials onic components	Z	First Priority	<ul> <li>Expansion of semiconductor process materials using proprietary technologies</li> </ul>	24.0	30.0	+6.0	16%	•	14%
	Car In		terior material ial suede	Z.	Earnings Base Expansion	<ul> <li>Providing value to automotive manufacturers as a platform with unique design and processing technologies</li> </ul>	11.5	14.7	+3.2	4%	•	6%
	Ene & Infras	rgy • lon-exproces	ator (Hipore, etc.) cchange membranes, water ssing gen-related	1	<b>Growth Potential</b>	<ul> <li>Medium-term growth through development of Hipore in North America</li> <li>Expansion through collaboration between ion- exchange membrane and hydrogen businesses</li> </ul>	1.9	14.1	+12.3	0%	<b>→</b>	3%
	Comfo	• Fibers • Consu		<u></u>	Earnings Base Expansion	<ul> <li>Solidifying highly profitable niche positions, generating stable cash flow</li> <li>Growth through opportunities for expansion in additives, etc.</li> </ul>	21.4	19.2	-2.2	8%	<b>⇒</b>	6%
	Cher	nical (Resin re	mance chemicals elated) tial chemicals nemical-related)	o	Profitability improvement & business model change	<ul> <li>Pursuing optimization in concert with other companies</li> <li>Changing to business models utilizing green technology, etc.</li> </ul>	28.8	17.5	-11.3	6%	<b>&gt;</b>	3%

<sup>&</sup>lt;sup>1</sup> Development business in real-estate (excl. rental and brokerage business) and land purchase/use in order-built homes



# Positioning of each business in portfolio

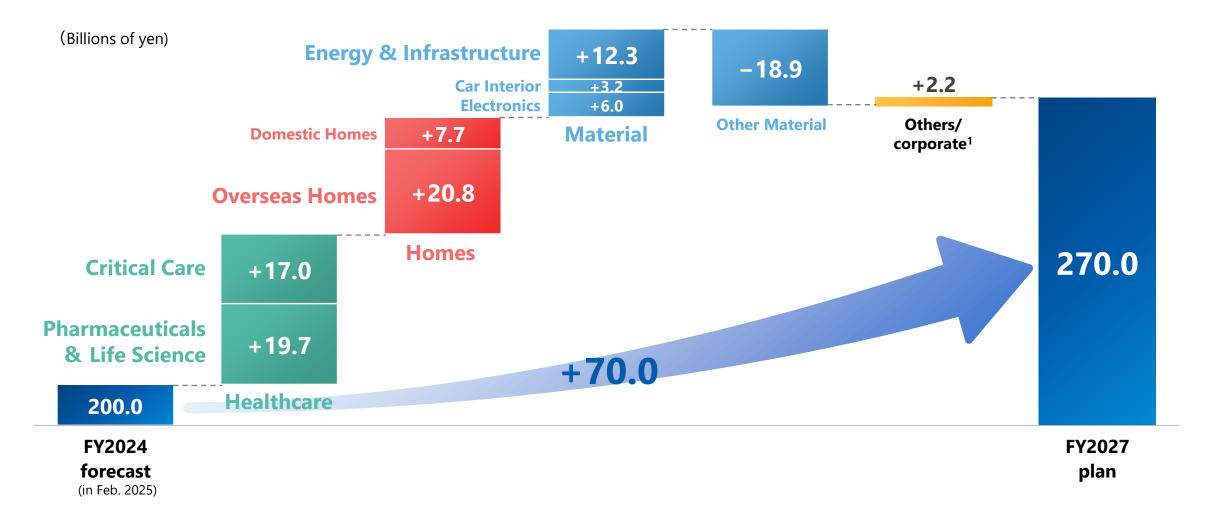
Continuing to invest in First Priority and Growth Potential businesses to achieve profit growth while advancing reforms of businesses for profitability improvement & business model change



<sup>&</sup>lt;sup>1</sup> Development business in real-estate (excl. rental and brokerage business) and land purchase/use in order-built homes

# **Changes in operating income by business**

Pharmaceuticals & Life Science, Critical Care, and Overseas Homes to be the main drivers of operating income growth up to fiscal 2027



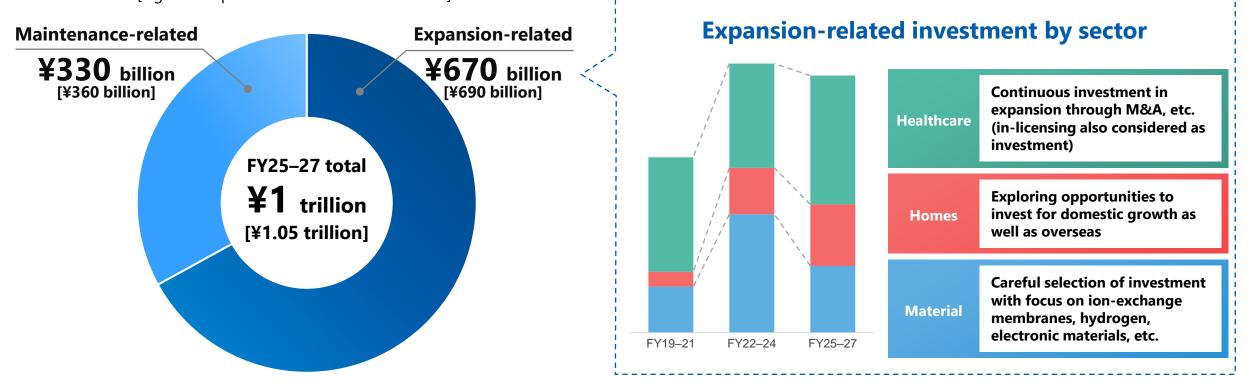
<sup>&</sup>lt;sup>1</sup> Including increased allocation to each sector, transfer of organizations, buffer, etc.

## Long-term investment plan

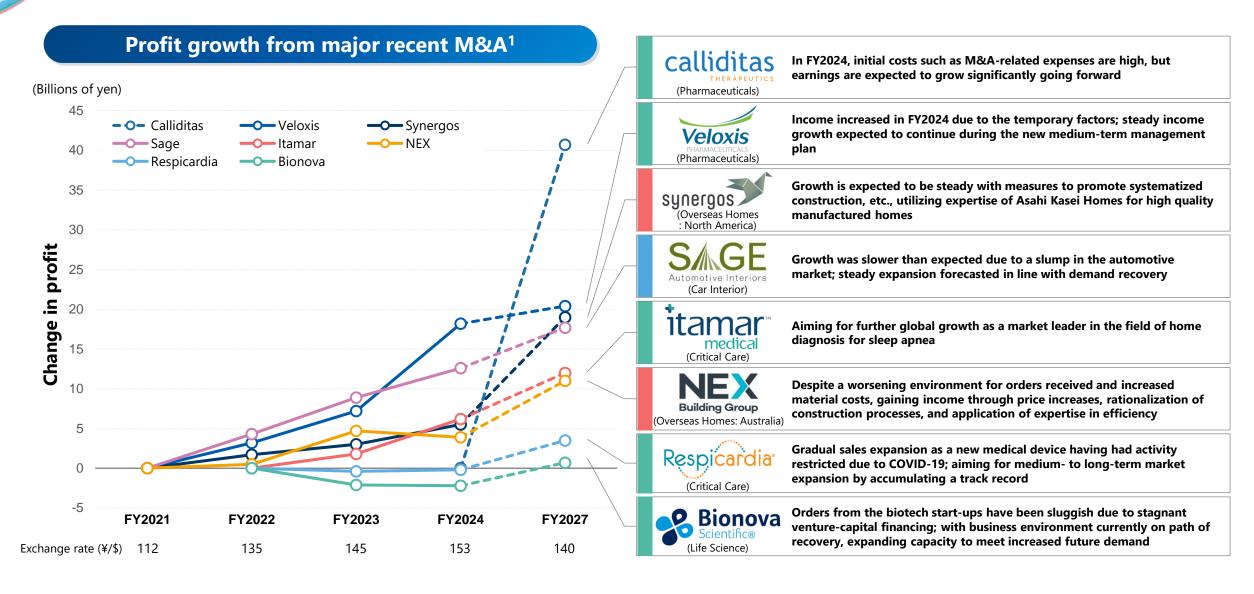
Investment of ¥1 trillion is expected under the new medium-term management plan, roughly equivalent to the amount under the previous plan; expansion-related investment of ¥670 billion is expected to include Homes for both domestic and overseas growth in addition to Healthcare which will continue to expand mainly through M&A

Total value of investments based on adoption of decisions during the 3-year period

[Figures for previous MTP shown in brackets]



# **Progress of M&A**



<sup>&</sup>lt;sup>1</sup> Changes in operating income plus PPA amortization from FY2021, except Bionova, Itamar, and Respicardia from FY2022, and Calliditas from FY2024; forecasts from FY2024

### Structural transformation of the Material sector

Material sector FY24 sales forecast

¥1,365 billion

Chemical (petrochemical chain-related businesses)

≈¥650 bn

Businesses accounting for approximately 20% of Material sales are subject to structural transformation during the new MTP; half of which is in the Chemical business

### Restructuring the Chemical business (petrochemical chain-related businesses)

Advancing three approaches: 1) Structural reform from best-owner perspective, 2) Optimization/reinforcement in concert with other companies, and 3) Autonomous structural transformation

Structural reform from best-owner perspective

 Several projects had advanced toward adopting a decision during FY24, but not completed on schedule; progress continuing in order to execute reforms during the new MTP

Optimization/ reinforcement in concert with other companies

- Advancing discussions with Mitsubishi Chemical Corporation and Mitsui Chemicals, Inc. on three-company collaboration regarding naphtha cracker
- Considering capital alliances with other companies, including minority stakes, for multiple businesses

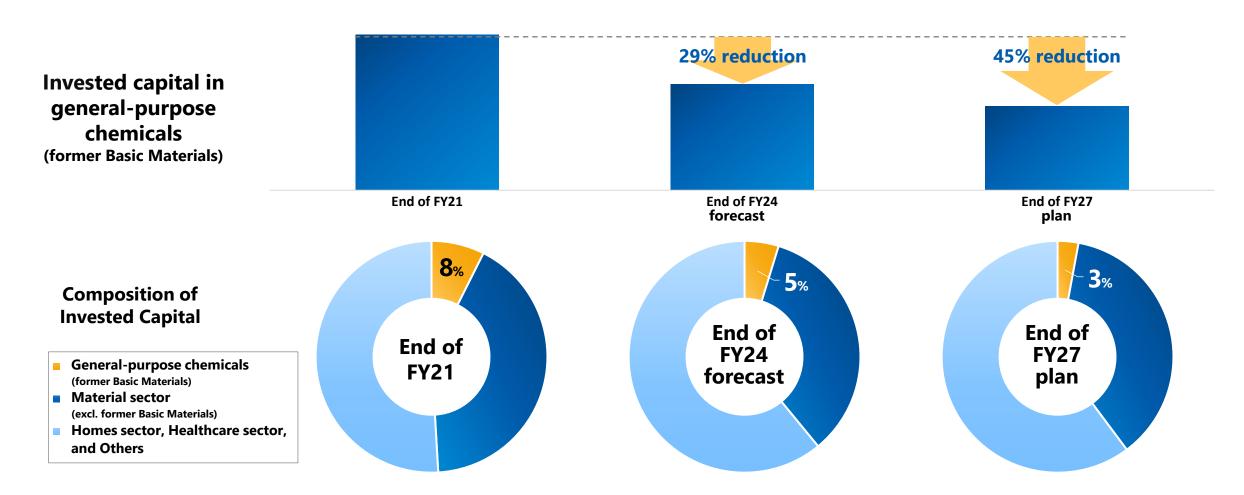
Autonomous structural transformation

- Decided to discontinue business of PTTAC
- Advancing actions to restructure businesses with low profitability and low capital efficiency, including downsizing and discontinuation



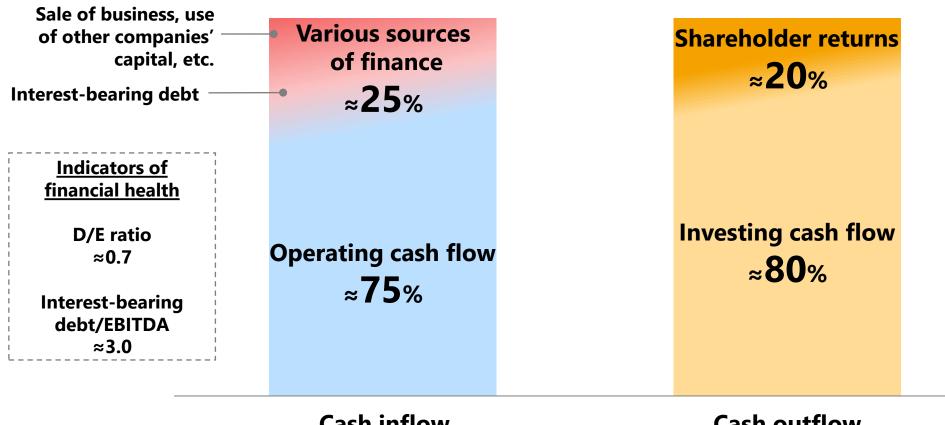
# Reducing invested capital in general-purpose chemicals (former Basic Materials<sup>1</sup>)

Invested capital in general-purpose chemicals (former Basic Materials) within the Material sector, has continued to decline due to structural transformation, etc., falling to around 5% of the total in 2024; further structural transformation is ongoing



# **Capital allocation (3 year total for FY25–27)**

Emphasis on balance between investment for growth and shareholder returns; actively selling businesses and utilizing other companies' capital as sources of finance in addition to interest-bearing debt



**Cash inflow** 

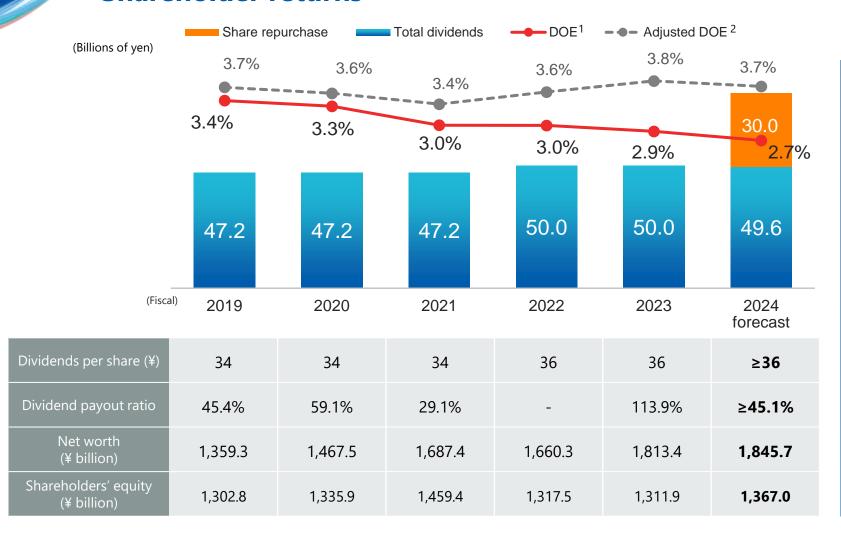
 $\approx$  ¥1,200 billion

**Cash outflow** 

 $\approx$  ¥1,200 billion



### **Shareholder returns**





- Determining level of shareholder returns based on medium-term FCF outlook
- Aiming for medium- to longterm progressive dividends with DOE of 3% as a benchmark
- Share repurchase is decided by comprehensively considering optimal capital structure, investment projects, cash flow, and share price conditions

## **Emphasis on progressive dividends to continuously improve the level of returns**

# **Management indicators**

	(Billions of yen)	FY2021	FY2024 forecast (in Feb. 2025)	FY2027 plan	FY24–27 annual growth rate	FY2030 outlook	F27–30 annual growth rate
	Net sales	2,461.3	3,044.0	3,180.0			
	Operating income	202.6	200.0	270.0	10.5%	380.0	12.1%
	Operating margin	8.2%	6.6%	8.5%			
	Operating income before amortization of goodwill	231.0	234.0	306.0			
<b>Profitability</b>	EBITDA <sup>1</sup>	350.8	386.0	496.0			
	EBITDA margin	14.3%	12.7%	15.6%			
	Net income attributable to owners of the parent	161.9	110.0	174.0			
	EPS (yen)	116.7	79.5	127.4			
Capital	ROIC <sup>2</sup>	6.6%	4.9%	6.0%		≥8.0%	
efficiency	ROE	10.3%	6.0%	9.0%		≥12.0%	
	D/E ratio	0.45	0.51	≈0.7			
Financial health	Interest-bearing debt/EBITDA	2.2	3.1	≈3.0			
ileaitii	Equity ratio	50.4%	49.5%				
	Exchange rate (yen/\$)	112	153	140			

<sup>&</sup>lt;sup>1</sup> EBITDA = operating income + depreciation and amortization (tangible, intangible, and goodwill)

<sup>&</sup>lt;sup>2</sup> ROIC = (operating income – income taxes) ÷ average annual invested capital



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### **Healthcare**

**Business outlook** 

Important business conditions

- Driving the Group's profit growth by ensuring results from the past investments centered on pharmaceuticals
- Continue to invest in expansion in each business to achieve sustainable high growth from a medium-term perspective

Number of patients with the target disease/
Guidelines for treatment

Market condition for plasma and biopharmaceutical products

U.S. economic situation/ Trends in insurers

Outline

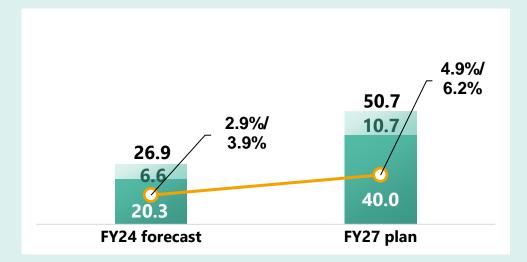
# Operating Income (\* billion)/ROIC1

### **Pharmaceuticals**

- Grow income of Envarsus XR,
   Tarpeyo, and mainstay
   domestic products
- Continue growth investment (additional M&A, in-licensing)

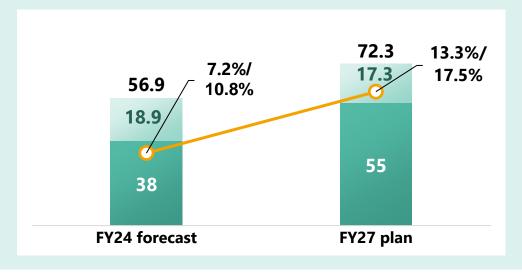
### **Life Science**

- Grow sales of Planova (virus removal filters)
- Expand orders in Bionova (CDMO business)



### **Critical Care**

- Grow by raising market share for professional defibrillators,
   AEDs, etc., and expanding market penetration for LifeVest
- Create and expand demand for new devices such as those of Itamar and Respicardia



<sup>&</sup>lt;sup>1</sup> Bar graphs: white figures are operating income after amortization of goodwill, green figures are amount of goodwill amortization; line graphs: ROIC after goodwill amortization/ROIC before goodwill amortization

### **Pharmaceuticals**

## Evolution into global specialty pharma focused on therapeutic areas of immunology and transplantation **Aiming for net sales of ≥¥300 billion in FY2030**

### Niche disease areas

Focus on specialties such as immunology/ transplantation, kidney disease, and severe infections (immunocompromised patients)

### Main drug products

### **Autoimmune disease**



Plaquenil Bredinin

### Kidney disease



Tarpeyo **Bredinin** 

### **Transplantation**



**Envarsus XR** 

### Severe infection



Cresemba Recomodulin

### **Business model**

- Avoid direct competition with major pharmaceutical companies
- Avoid risk of excessive development (small-scale, low-cost clinical development)
- Profit structure that enables continuous investment in development

(small sales force for large hospitals)

### **Global business expansion**

Implement additional M&A and licensing to strengthen business foundation and pipeline



- **Expand Envarsus XR sales** (U.S. sales CAGR 25% since 2020 acquisition)
- Progress in developing VEL-101 (planning Phase 2 trials)



- **Expand Tarpeyo sales** (peak sales expected to exceed \$500 million after FY2030)
- Additional M&A
- **In-licensing** (planning ¥30 billion over 3 years)

## **Global management system**

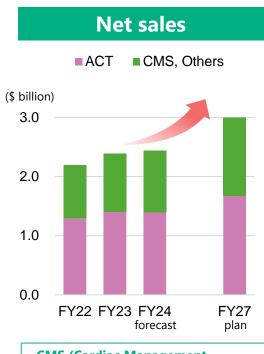
**Transition to** 



- Integrate three pharmaceutical companies in Japan and the U.S. by the end of fiscal 2025
- Concentrate and optimally allocate resources for the pharmaceuticals business under a single global strategy

### **Critical care**

# Pursue further growth in the field of serious cardiopulmonary diseases (organic growth of existing businesses, ensuring results from past investments, acquisition of new business opportunities)

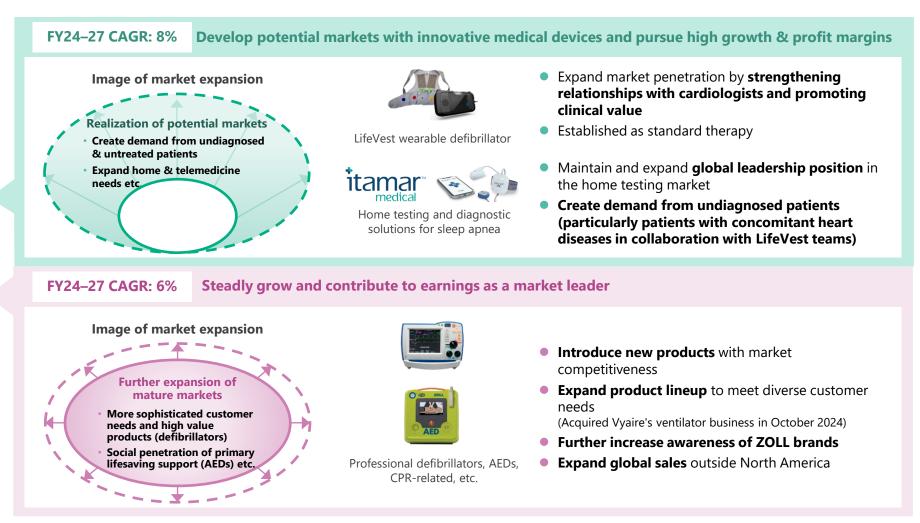


# **CMS (Cardiac Management Solutions), Others**

Wearable defibrillators, heart disease diagnosis and management, sleep apnea diagnosis and treatment, etc.

### **ACT (Acute Care Technology)**

Professional defibrillators, AEDs, CPR-related, temperature management, software solutions, etc.



### **Homes**

Outline

Operating Income (\* billion)/ROIC1

**Business outlook** 

Important business conditions

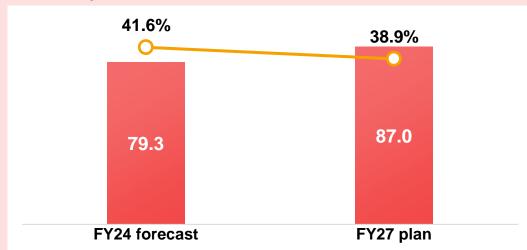
- Strengthen earnings base by shifting to higher value-added products in domestic homes and exploring growth opportunities in real estate development
- Sustainable profit growth through overseas expansion with a unique business model

Domestic housing and real estaterelated market conditions Effect of economic situation and interest rate policies on U.S. and Australian housing demand

Securing workforce in the U.S., tariffs on imports to the U.S.

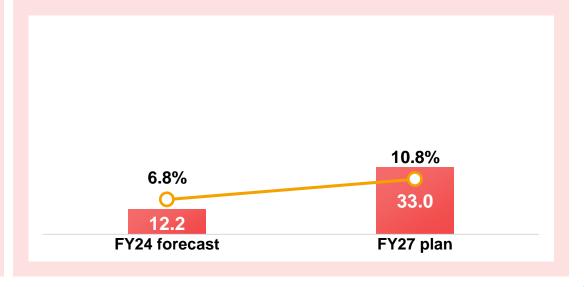
### **Domestic business**

- Strengthen profitability with higher added value in the orderbuilt homes business and expanding apartment building business
- Promote domestic growth strategy focused on real estate and development business



### **Overseas business**

- Sustainable growth in the U.S. by reinforcing the Synergos model and expanding regional coverage
- Expand market share in Australia and improve profitability and capital efficiency by reforming operational processes





### **Domestic Homes**

Pursue medium- to long-term growth opportunities in real estate and development as well as shifting to larger and higher value-added order-built homes



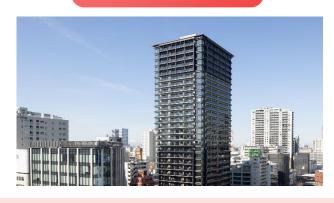
### **Real estate and development**

Examining proactive investment opportunities to enhance profitability of domestic businesses from a medium-term perspective

# Reinforce land purchasing and expand business utilizing the land

- Reinforce land purchasing focused on urban areas
- Strengthen sales of buildings and land together

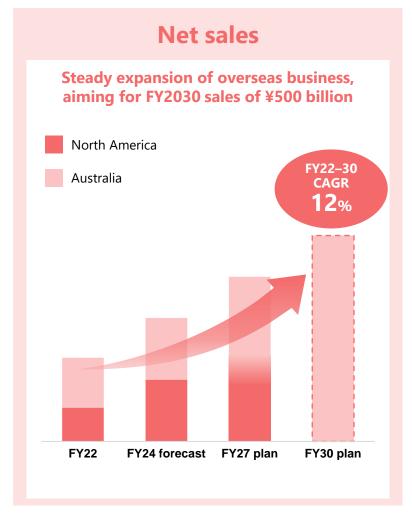
### **Atlas condominiums**

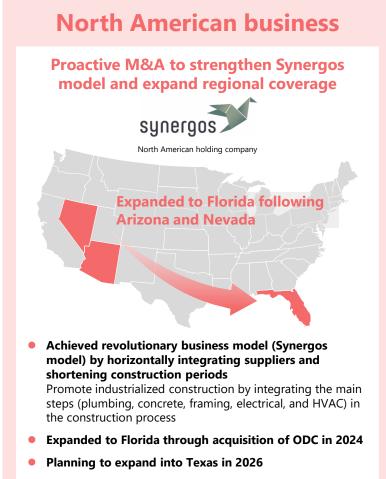


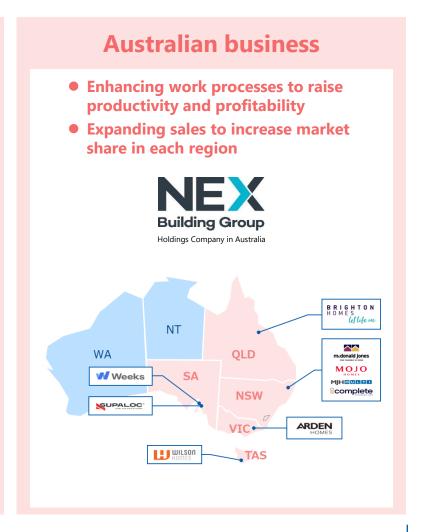


### **Overseas Homes**

# Providing homes suited to local needs with greater efficiency and higher productivity though systematization







### **Material**

**Business outlook** 

**Important business** 

conditions

Cuestable of comican disease months

Sustainable growth through expansion of customer-oriented businesses and solution businesses

Maximize business value by collaborating with business partners and utilizing external resources

**Growth of semiconductor market supporting DX and AI technology** 

Trends among U.S. and European automotive OEMs

**Global EV market trends** 

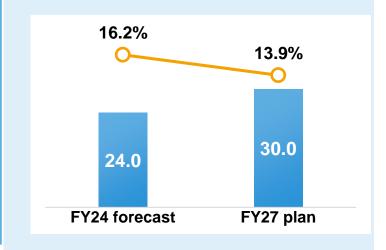
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Outline

Operating Income (\* billion)/ROIC1

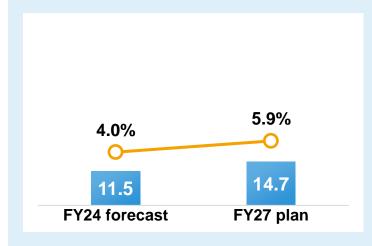
### **Electronics**

- Expand production capacity for Pimel as semiconductor buffer coat/interlayer dielectric
- Development and commercialization of new electronic materials



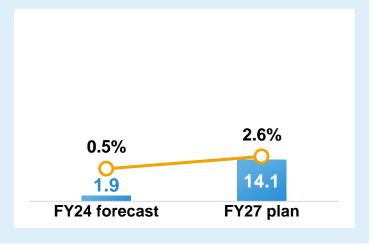
### **Car Interior**

 Steady income growth by leveraging strengths of product lineup matching customer needs



### **Energy & Infrastructure**

- Improve earnings through recovery in demand for Hipore (early stages of operation of North American plant)
- Enhance capacity for expansion of the ion-exchange membrane process chloralkali business



## **Electronics: Electronic Materials – customer-oriented business**

# Propose optimal materials for the advanced semiconductor package market based on our experience in semiconductor chips and materials for substrates and packaging processes

- A market leader with photosensitive material that supports finer processing of leading-edge semiconductors
- Providing high-quality, high-performance materials while coordinating with customers

Diversification of packaging, **expansion of new value chain** with merger of front-end and back-end processes

# Front-end process



Semiconductor chip, packaging process materials

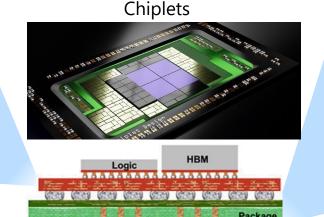
Pimel (photosensitive insulator)

**Novacure** (latent hardener)

 Evolution of redistribution layer process

Finer primary packaging

# Next-generation semiconductor package process material



00000000000

PCB, packaging material

### Sunfort

(photosensitive dry film)

### Novacure

(latent hardener)

### **Glass fabric**

(PCB insulator)



Back-end process

- Finer package substrates
- High-precision adhesive technology
- Low conductivity

# Pimel growth strategy

- Highly evaluated in the growing field of cutting-edge semiconductors for Al servers
- Contributing to the development of innovative packages through close collaboration with customers



- Received 2024 TSMC Excellent Performance Award
  - Proactive capital investment planned in the new MTP in line with strong demand
- Aiming to double sales from FY24 to FY30

## Energy & Infrastructure: Ion-exchange membrane process chlor-alkali electrolysis – solution business

## Expand value provision through solutions based on business foundations built over 50 years

### Product technology

### Core technologies for electrolysis and membranes, production technology

- Technology for broad product lineup to provide total solutions for issues at customers
- Operational expertise

# Knowledge and expertise to deal with unexpected changes in electrolyzer operation

- Sales and technical support teams located at several sites worldwide
- Operational expertise and product technology to identify causes of problems during operation and implement solutions

### Customer base

### Long-standing relationships of trust with customers

- Knowledge and experience built through 50 years of customer support
- People and teamwork for customer-focused problem solving
- Adopted at over 150 plants in 30 countries; maintaining high market share

### **Change from conventional sales to solution business Earnings** Management platform Replace membranes electrodes Monitorina Cloud management Replace of optimum operation membranes Replace 12 **New services** membranes, electrodes Combining R2's monitoring system with Asahi Kasei's product development technology and Replace Sale of ion-exchange support capability for membranes membrane chlorpredictive maintenance and alkali electrolyzers proposals for optimum operation » Conventional sales of goods Development, manufacture, sale, and service of electrolyzers and ion-Time exchange membranes

- Leveraging the accumulated customer base, technologies, and service platform for alkaline water electrolysis hydrogen production systems
- Planning to start manufacturing facilities in fiscal 2028 capable of supplying products for both green hydrogen and chlor-alkali processes (adopted by METI as "GX Supply Chain Construction Support Project)



# **Energy & Infrastructure: Separator – Hipore**

# Medium-term growth by leveraging the potential of integrated plant for base film manufacturing and coating in North America

#### **Hipore initiatives**

Feb. 2024	<ul> <li>Decision to separate Hipore business to new company</li> <li>Asahi Kasei Battery Separator Corp. (AKBSC) launched in Oct. 2024</li> </ul>
Apr. 2024	<ul> <li>Decision on Phase 1 investment in North America (appx. ¥180 billion)     [financial support from federal government of Canada and provincial     government of Ontario]</li> </ul>
Oct. 2024	<ul> <li>Issuance of preferred stock to Development Bank of Japan Inc. (¥28 billion)</li> </ul>
Nov. 2024	<ul> <li>Shareholders' agreement with Honda Motor Co., Ltd. for 25% investment in Canadian manufacturing company</li> <li>Groundbreaking ceremony in Port Colborne, Ontario, Canada</li> </ul>

#### Medium- to long-term outlook for Hipore

- Phase 1 construction in North America progressing on schedule, and sales plan in North America remains unchanged from initial forecast
- For Phase 2 and beyond, flexibly respond by closely monitoring future changes in business conditions related to xEVs
- Currently scrutinizing the near-term sales outlook considering the impact of U.S. policy changes
- Aiming for medium-term operating margin of ≥20%

#### Strengths of Asahi Kasei

#### **Customer relationships**

- High ability to respond to customer needs through accumulated know-how
- Product development based on high degree of coordination

#### Productivity

 High production speed (approximately double the industry standard for both base film and coating processes<sup>1</sup>

#### **Quality and performance**

- Diverse lineup of coated membranes
- Quality for improved battery yield
- Contributing to extended battery service life with uniform pore structure

#### **Environmental consciousness**

- Non-fluorinated coating
- High rate of recycling process materials

#### Key points for North American business

**Thorough low-cost production** 

Vertical and horizontal alliances based on technological superiority

#### **Chemical business**

#### **Outlook of the Chemical business**

- Initiatives in the MTP
- Promoting structural transformation
- Developing green technologies/ promoting green initiatives
- Strengthening competitiveness, including collaboration with other companies

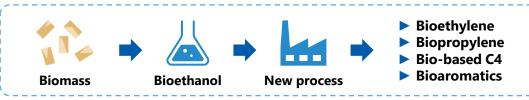
Achieving carbon neutrality and optimizing the production system for ethylene production facilities through three-company cooperation with Mitsubishi Chemical and Mitsui Chemicals

#### **Medium-term vision**

- Providing green materials and solutions
- Business structure with high profitability and capital efficiency
  - Focus on high-value-added products in the supply chain
- Optimized capacity and high competitiveness through collaboration with other companies

#### **Examples of green materials and solutions**

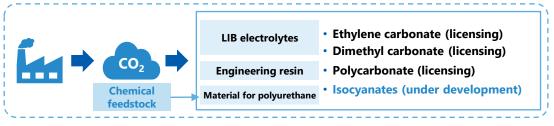
#### **Biochemical production from bioethanol**



- Connection to and integration with naphtha cracker refining system
   Minimal capital investment, application of biomass balance approach
- JV, licensing, and other forms of development

**Key technology for petrochemical realignment that can contribute to carbon neutrality** 

#### CO<sub>2</sub> chemistry (functional chemicals and plastics)



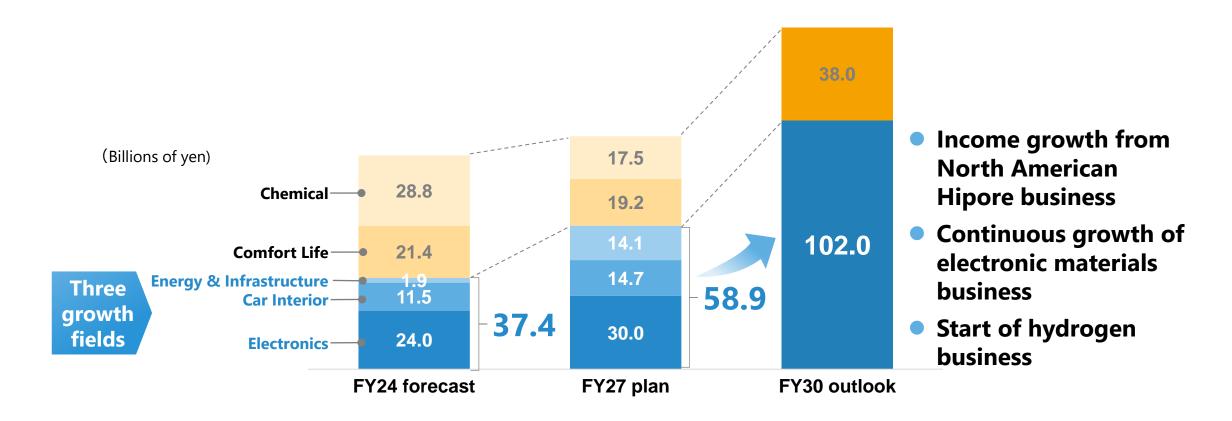
 Based on process technology using CO<sub>2</sub> as feedstock, also licensing technology and know-how for stable operation

Contributing to carbon neutrality by licensing to chemical manufacturers around the world



# Outlook of operating income for Material sector in FY2030<sup>1</sup>

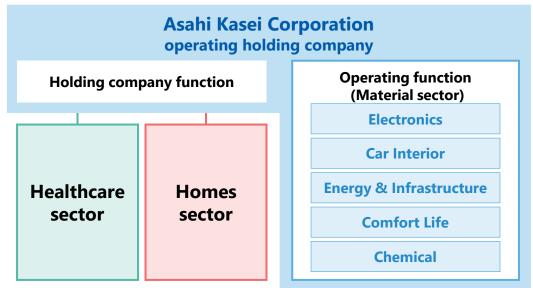
From FY2028 onward, the three growth fields will see significant income growth due to factors such as start of the North American Hipore business





# Strengthening the structure of the Material sector and corporate functions

In April 2025, the Material sector was changed from a configuration of three SBUs into a unified organization; working to strengthen the structure by accelerating structural transformation and streamlining shared functions



- Changing the Material sector from a configuration of three
   SBUs into a unified organization
- Concurrently, repositioning a portion of the holding company function's R&D and DX related organizations within the Material sector
- Accordingly, costs of approximately ¥10 billion¹ were transferred to Material
- Working to improve productivity and reduce costs by streamlining organizations and continuously promoting DX including proactive use of generative AI

Advancing structural transformation

 Advancing by three approaches; "Structural reform from best-owner perspective",
 "Optimization/reinforcement in concert with other companies", "Autonomous structural transformation"

Thorough control of cash flow and capital expenditure

- Scrutinize maintenance investment
- Manage working capital with a focus on inventory optimization
- Carefully consider which assets should be held internally

Fixed cost reduction

- Streamlining duplicate functions
- Narrower focus of Initiatives to strengthen the business platform and create new businesses

Aiming to generate cash of approximately ¥30 billion (three-year total)

# Financial targets by sector<sup>1</sup>

	(¥ billion)	FY2024 forecast	FY2027 plan	FY2030 outlook
	Net sales	620.0	760.0	
	Operating income	58.3	95.0	150.0
	Operating margin	9.4%	12.5%	
Healthcare	Operating income before amortization of goodwill	83.8	123.0	
	ROIC	4.8%	7.7%	
	ROIC before amortization of goodwill <sup>2</sup>	6.9%	10.0%	
	Net sales	1,043.0	1,250.0	
	Operating income	91.5	120.0	160.0
	Operating margin	8.8%	9.6%	
Homes	Operating income before amortization of goodwill	93.9	123.5	
	ROIC	24.7%	22.7%	
	ROIC before amortization of goodwill <sup>2</sup>	25.4%	23.4%	
	Net sales	1,365.0	1,160.0	
	Operating income	82.3	85.0	135.0
	Operating margin	6.0%	7.3%	
Material	Operating income before amortization of goodwill	87.7	90.0	
	ROIC	4.8%	4.2%	
	ROIC before amortization of goodwill <sup>2</sup>	5.2%	4.5%	

<sup>&</sup>lt;sup>1</sup> As figures in this table are forecasts and plans for each sector, their sums do not equal the total consolidated figures

<sup>&</sup>lt;sup>2</sup> ROIC before amortization of goodwill = (operating income + goodwill amortization)  $\times$  (1 - tax rate)  $\div$  (fixed assets + working capital etc.)



#### **Contents**

- 1. Review of previous MTP
- 2. What we aim for
- **3** "Trailblaze Together" MTP for FY2025–27
  - 3-1 Basic policy and targets
  - 3-2 Business strategy by sector
  - 3-3 Strengthening the business platform

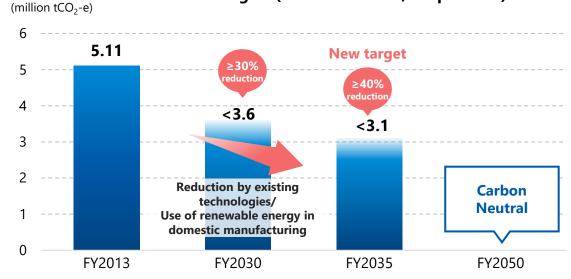


# **Green transformation (reducing GHG emissions)**

#### **Reducing our own GHG emissions**

FY2030 ≥30% reduction (46% domestic reduction) Compared FY2035 ≥40% reduction (60% domestic reduction) to FY2013 FY2050 Carbon neutral

GHG emissions targets (FY2013 baseline, Scope 1 & 2)

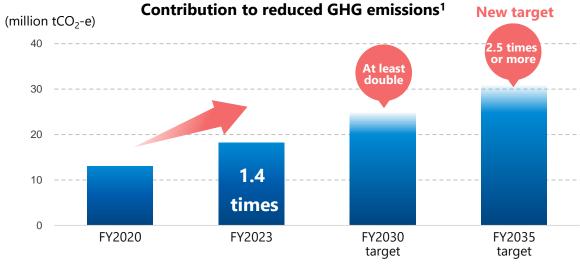


- Low-carbon energy (renewal and utilization of hydropower plants, use of renewable energy, etc.)
- **Development of mechanisms for reducing GHG emissions** (application of internal carbon pricing, systematizing CFP calculation, etc.)
- Transformation of product and business portfolio

# Reducing the world's GHG emissions (expanding Environmental Contribution Products)

FY2030 At least double the contribution to reduced GHG emissions
FY2035 At least 2.5 times the contribution to reduced GHG emissions

Compared to FY2020





lon-exchange membrane process chlor-alkali electrolysis Reducing power

consumption in electrolysis

LIB separator

Reducing GHG emissions from driving as electric vehicles using LIBs become widespread



**Hebel Haus unit homes** 

Hebel Maison apartment buildings

Providing long service life to reduce GHG emissions from component manufacture and construction

<sup>&</sup>lt;sup>1</sup> The contribution to reduced GHG emissions is calculated independently from the viewpoint of LCA based on the opinions of external experts.



## **Green transformation (Homes)**

# Aiming to be a leading company in the housing industry in contributing to the environment together with customers

Initiatives and evaluations related to the creation of environmental value

- Achieved RE100 (the first home builder in Japan¹)
- Minister of Economy, Trade and Industry Award for resource circulation technology and systems
- GX initiative declaration
- Certified as an "Eco-First Company" by the Ministry of the Environment
- Acquired SBT certification

RE100
°CLIMATE GROUP



Innovative efforts for transition to renewable energy

Asahi Kasei Homes is the first company in Japan to receive the RE100 Enterprising Leader award





<sup>&</sup>lt;sup>1</sup> Among domestic home builders participating in RE100, based on research by Asahi Kasei Homes as of July 31, 2024



## **Human resources strategy**

Q Q Q"P

"People are our most valuable assets, everything starts from people"

Discovering the future through lifelong growth

and co-creativity of diverse individuals





Reinforcing the culture of taking challenges Transition to new HR system



vitality and work engagement

Sustainable growth of the Asahi Kasei Group

**Enhancing employee** 

Index of behavior that leads to growth (5-point scale) in annual engagement survey					
3.71	3.72	3.73	Further increase		

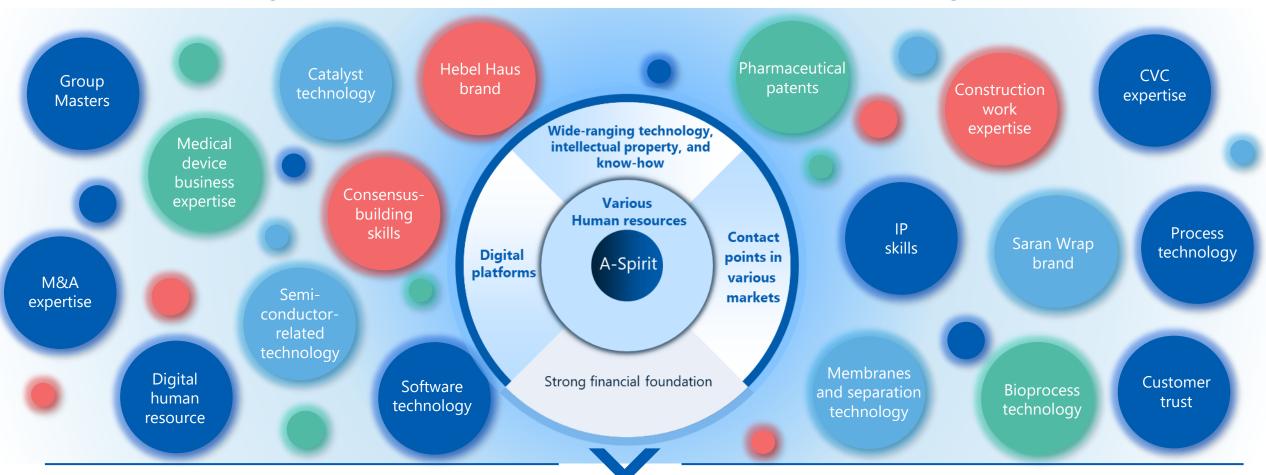
Empowerment of diverse personnel				
Percentage of women among managers and Group Masters				
FY24	FY27	FY30		
4.9%	8.0%	10.0%		

Employee vitality					
Percentage of employees reporting favorable vitality (≥3.5 on 5-point scale) in annual engagement survey					
FY22	FY23	FY24	FY27		
55.6%	56.2%	57.3%	60.0%		



# **Utilization of intangible assets**

#### Pursuing value provision with business models with value centered on intangible assets



Strengthening solution businesses and licensing businesses in addition to conventional products and services

Aiming for 10 new license agreements¹ (3-year total for FY25–27) with ≥¥10 billion cumulative profit contribution by FY30



## **Efforts to raise corporate value**

# Measures for sustainable increase in corporate value centered on accelerating business portfolio transformation and enhancing profitability

#### Measures to raise corporate value

#### **Accelerating business portfolio transformation**

 Steadily reap fruits of investments in priority growth businesses such as Healthcare, while accelerating structural transformation of low capital efficiency businesses in Material with ROIC persistently below WACC

#### **Enhancing profitability**

 In addition to company-wide cost reduction activities, working to improve profitability through measures such as appropriate price increases and decreased sales of general-purpose products

#### **Enhancing investment management**

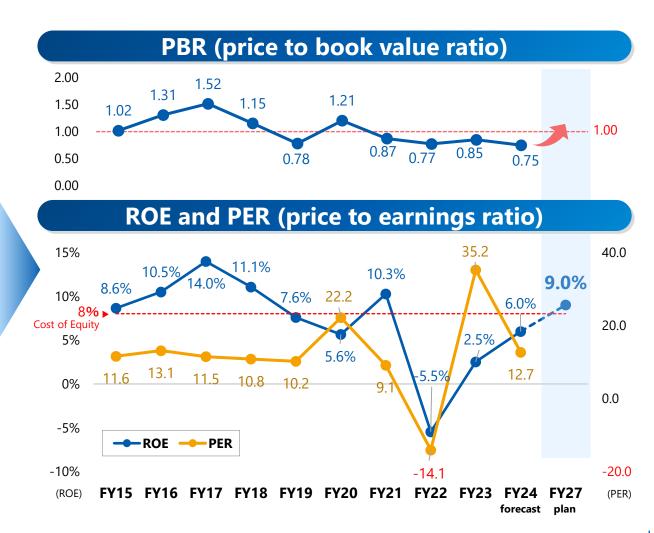
 Strengthening the management of hurdle rates and other factors to enhance investment decisions on growth investments; thoroughly monitoring and following up on investments

#### **Optimizing capital policy**

 Strengthening shareholder returns from the perspective of appropriate capital levels, and continuous reduction of strategic shareholdings (≈70% reduction of stocks, >¥150 billion reduction of holdings over the past 5 years)

#### **Reducing the cost of capital**

 Disclosure of strategies for acquisitions, large-scale investments, etc., and initiatives to strengthen management foundations, as well as ongoing enrichment of dialogue with investors

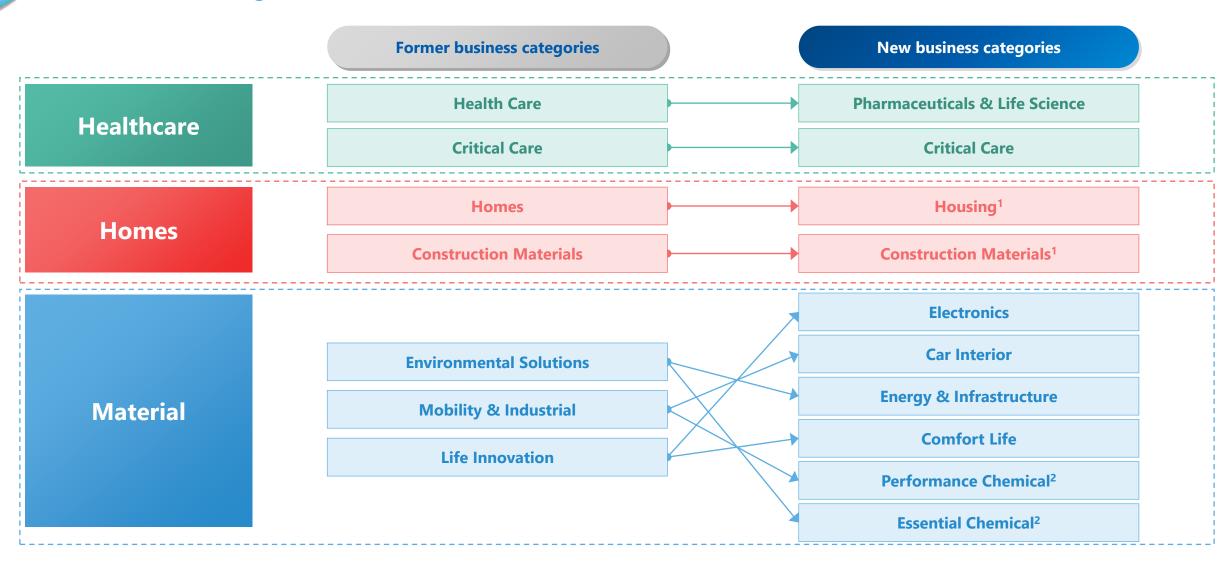


# Trailblaze Together

- The whole Asahi Kasei Group not only combines its strengths as a single team, but it also works together with various stakeholders, including customers, other companies, and investors, to pioneer new frontiers
- Transition to high-value-added businesses in diverse industries making highlevel contribution to income through the evolution of Diversity × Specialty
- Each business aims to achieve sustainable growth of corporate value by sharing and flexibly utilizing its management platform with other businesses



# **Business categories**



<sup>&</sup>lt;sup>1</sup> In this document, the domestic Housing business (order-built homes, real estate, and remodeling) and the construction materials business are disclosed as "Domestic Homes" and the overseas Housing business is disclosed as "Overseas Homes."

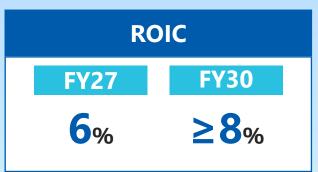
<sup>&</sup>lt;sup>2</sup> In this document, the Performance Chemical business and the Essential Chemical business are combined and disclosed as the Chemical business.

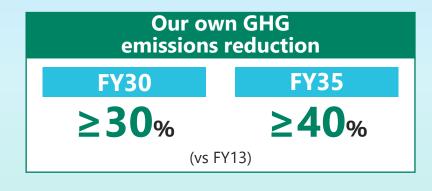
# **Major financial and non-financial KPIs**

Financial KPIs









**Number of new license agreements** 

FY30

2 × or more

(vs FY20)

Employee engagement survey
Vitality index (favorable respondents)

FY27

60%

**GHG** reduction

by Environmental Contribution Products

Nonfinancial KPIs FY25-27 ≥ **10**