

The 4th Medium-term Business Plan (2022-2024)

Driving Sustainable Management

February 7, 2022 KH Neochem Co., Ltd.

Contents



VISION2030

Review of the 3rd Medium-term Business Plan

The 4th Medium-term Business Plan

- Recognition of the Business Environment
- Basic Policy and Basic Strategy
 - **Strategy I** Further Growth in the Strategic Domains
 - Strategy II Medium and Long Term Initiatives to Resolve Social Issues
 - **Strategy** Improvement of business framework
- Investment Plan
- Financial and Capital Strategy
- Numerical Management Targets

VISION 2030

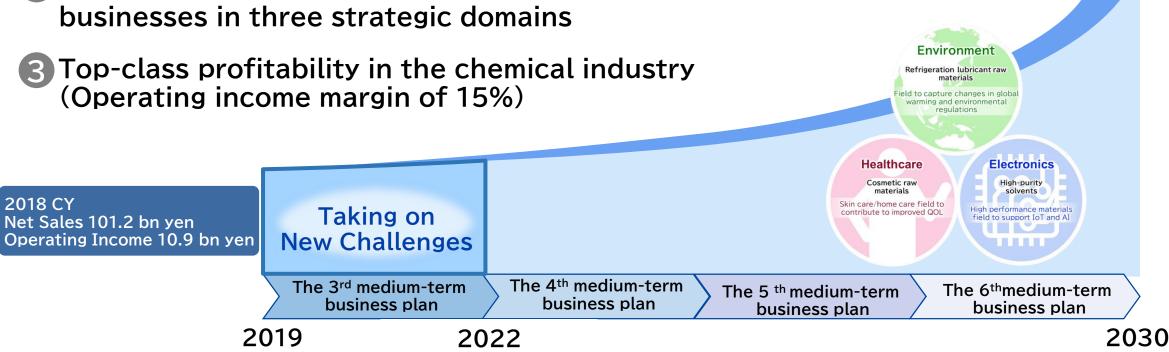


A Leading Global Specialty Chemical Company

Ambitions

- Providing specialty chemicals that contribute to the reduction of global warming and to a better quality of life
- Expansion of products with the largest global share and new businesses in three strategic domains

2030 CY Net Sales 180 bn yen **Operating Income over** 25 bn yen





The Group achieved the management targets for the final year of the 3rd MTBP with the highest earnings in the past even under the COVID-19 crisis.

	FY2	021	Net Sales		Operating Income	
	(Plan)	(Actual)		(bn yen)		(bn yen)
Net Sales	110.0 bn yen	117.1 bn yen	101.9	94.2	12.0	9.6
Operating	13.5	19.7	105.8	77.3	11.8	5.6
income	bn yen	bn yen				
Return on Equity	18%	28%	110.0	117.1	13.5	19.7
Equity ratio	47%	45%	Plan	Actual	Plan 2020 202 ⁻	Actual



Despite drastic changes of the business environment, we successfully executed our Basic Strategy for the growth in the medium and long term

	Strategy I Profit Increase by New Facilities	Strategy II Active Investment for the Expansion of Performance Chemical Business	Strategy III Improvement of business framework
Medium-term plan strategy	 Start up new facilities for refrigeration lubricant raw materials and marketing of new products Operate new facilities for the next generation semiconductor materials 	 Further increase in production capacity for performance chemicals Create new business through the new research hub 	 Further introduce facility control system with latest technologies (AI and IoT) Improve work environment and encourage diverse work styles
Major achievements	 Started operating new facilities for refrigeration lubricants raw materials and manufacturing new products Started operating equipment for next- generation semiconductor materials 	 Decided to increase the production capacity of the entire Chiba Plant, mainly for refrigeration lubricants raw materials Started up new research hub (KH i-Lab) and accelerated activities to create new business through open innovation 	 Introduced advanced plant control systems as planned Introduced new personnel system for managers (specified employment) Formulated and implemented the Business Continuity Plan (BCP) and issued an integrated report

The 4th Medium-term Business Plan

Driving Sustainable Management





Global

As the recovery from the COVID-19 crisis, economic growth expands but volatility and uncertainty still increase

- Demand remained firm as the global economy recovering from the COVID-19 crisis
- Impacts of prolonged inflation of the US economy and slowdown risks of the Chinese economy

Recognition of the business environment for our company

Basic Chemicals

Solvents & plasticizer :Domestic demand is maturing, but demand is steadily expanding mainly in Asia raw materials

Performance Chemicals

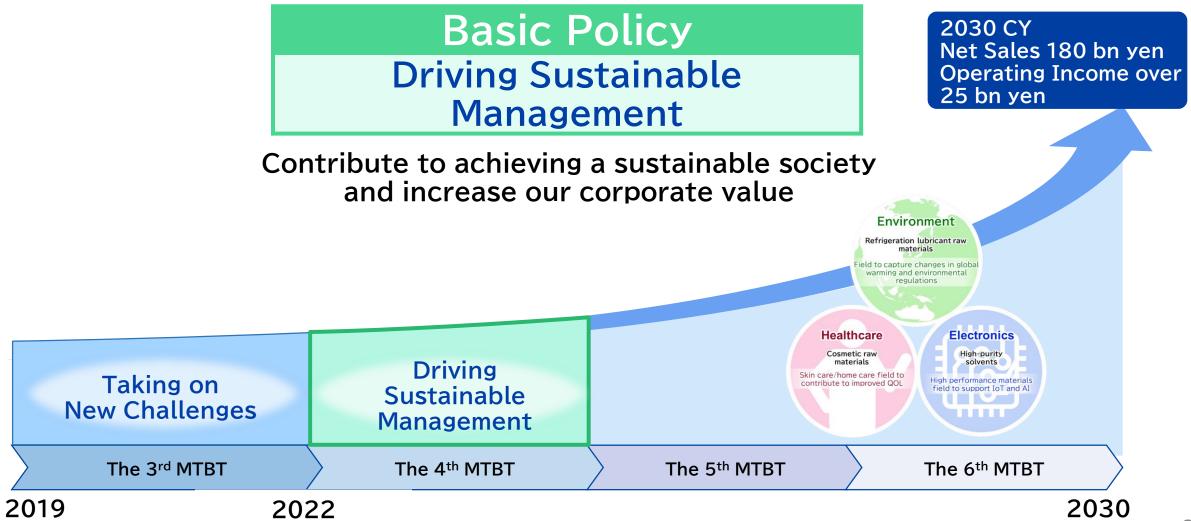
Refrigeration lubricant raw materials : Demand is increasing as the air conditioner market expands after the COVID-19 crisis and as refrigerants are amended in the Kigali Amendment and the U.S. EPA regulations.

Electronics materials : Demand continuously increases for semiconductors with the global expansion of 5G, IoT and AI

Cosmetic ingredients : Demand is expanding in China, South Korea and the Southeast Asia as the COVID-19 crisis calming down



A Leading Global Specialty Chemical Company



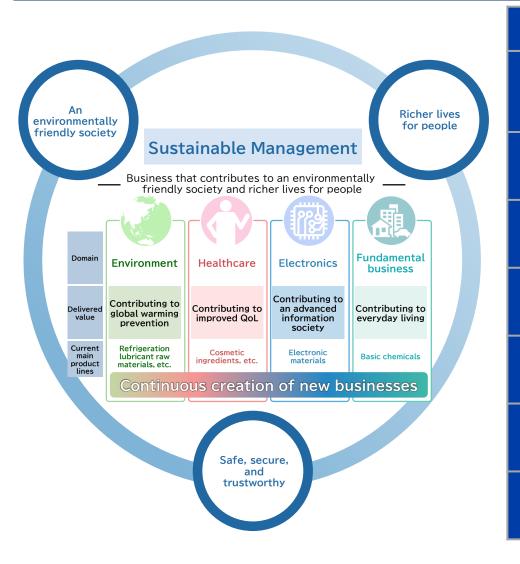


We declared Seven Promises to our stakeholders to drive sustainable management

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5



Seven Promises

We will develop businesses that help resolve social issues

We will conduct businesses with awareness of reducing our environmental impact

- We will strive to secure trust through safe and stable operations
- 4 We will practice management transparency with high ethical standards
 - We will provide a lively work environment that motivates and rewards diverse human resources
- 6 We will promote responsible supply chain management
- 7 We will strengthen our earning power

Materiality



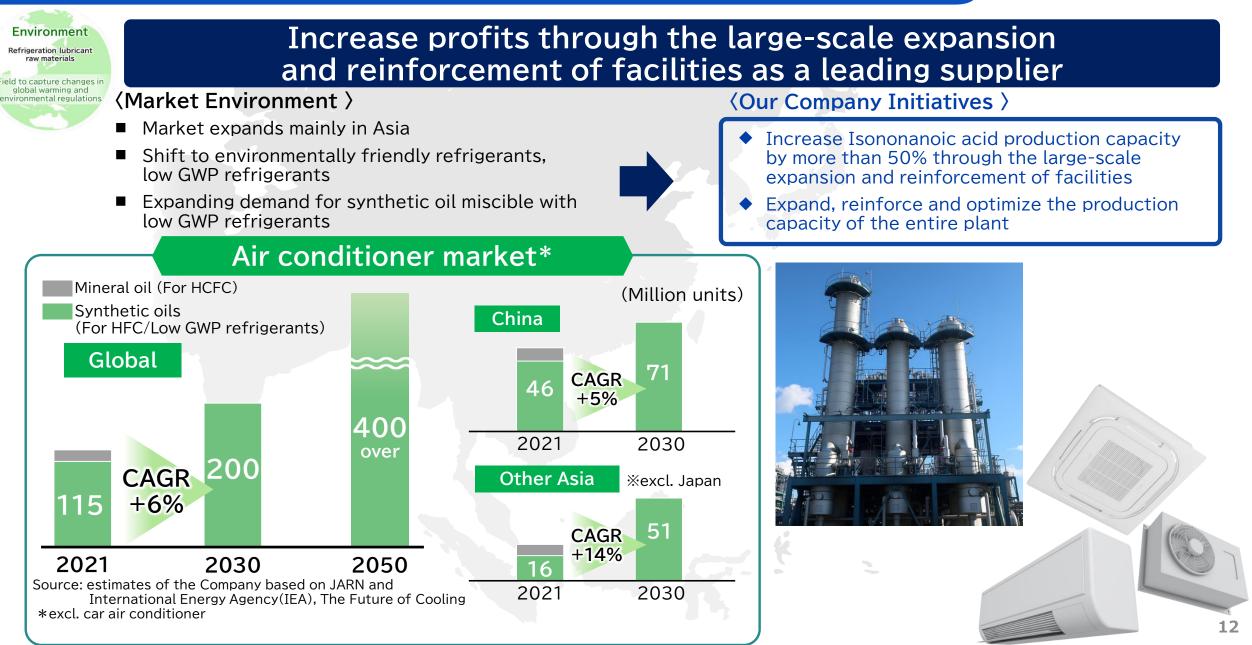
Seven Promises		Materiality		
1	We will develop businesses that help resolve social issues	 Expansion of social problem-solving businesses centered on strategic domains Promotion of innovation Strengthening of intellectual property strategies to strengthen the foundation for growth 		
2	We will conduct business conscious of reducing our impact on the environment	 Improvement of energy efficiency and reduction and management of CO₂ and other emissions Proper management of chemical substances 		
3	We will strive to secure trust through safe and stable operations	 6. Safety and disaster prevention at plants with consideration of the local region 7. Responsible and stable supply to customers 		
4	We will practice management transparency with high ethical standards	 8. Strengthening of corporate governance and risk management 9. Compliance 10. Transparent and responsible communication with stakeholders 		
5	We will provide a lively work environment that motivates and rewards diverse human resources	 Health and safety of employees Human Resource Development and Recruitment to support sustainable management Improvement of employee engagement and creation of comfortable workplaces to improve productivity 		
6	We will promote responsible supply chain management	14. Promotion of Corporate Social Responsibility (CSR) procurement		
7	We will strengthen our earning power	15. Optimization of business portfolio for stable profit generation 16. Pursuit of higher productivity and efficiency at plants 10		

Basic Strategy

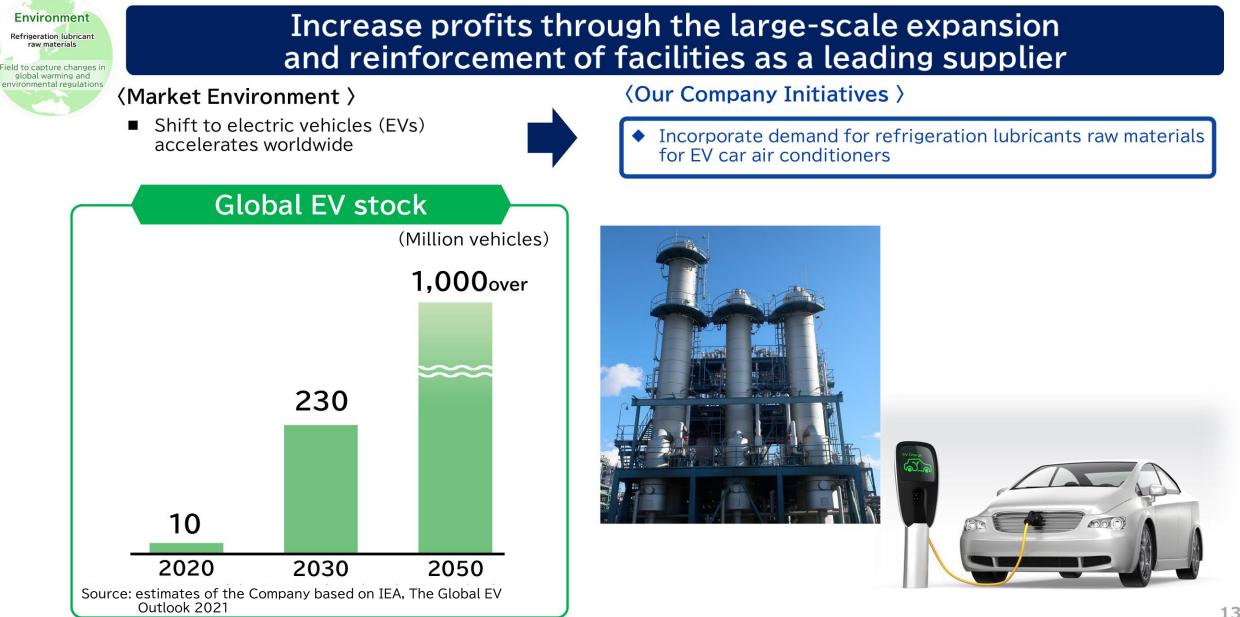


Basic Policy	Driving Sustainable Management		
Basicgy	 Strategy I. Further Growth in the Strategic Domains Capturing steadily demand for refrigeration lubricants raw materials through the large-scale expansion and reinforcement of facilities Responding to increasingly sophisticated customer needs in the electronics domain Expanding the lineup in the healthcare domain Strategy II. Medium and Long Term Initiatives to Resolve Social Issues Accelerating efforts toward carbon neutrality Creating early a new business through open innovation and M&A, etc. Strategy III. Improvement of Business Framework Improving productivity by utilizing the latest technologies, etc., as a driving force Creating a corporate culture in which diverse human resources play an active role and maximize results Strateprine of governance to enhance management transparency. 		
	 Strengthening of governance to enhance management transparency 		

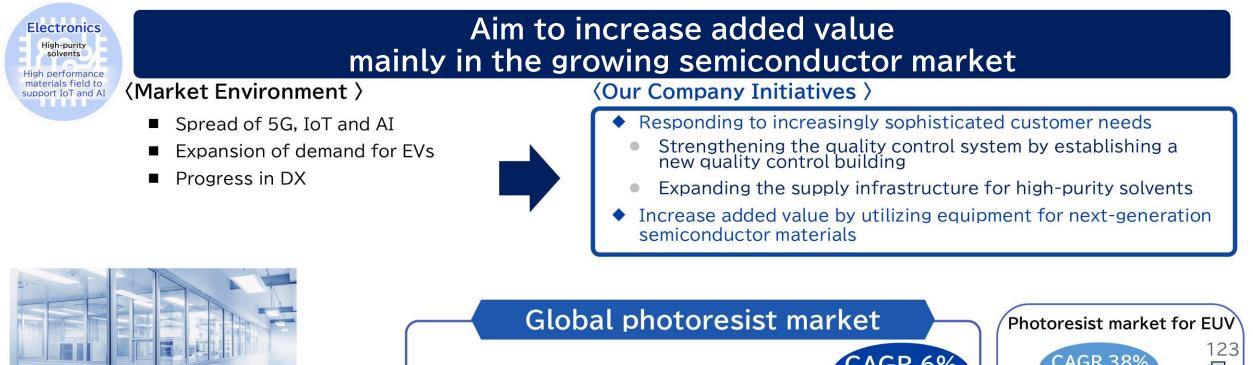


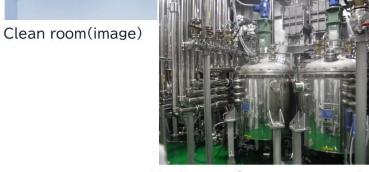




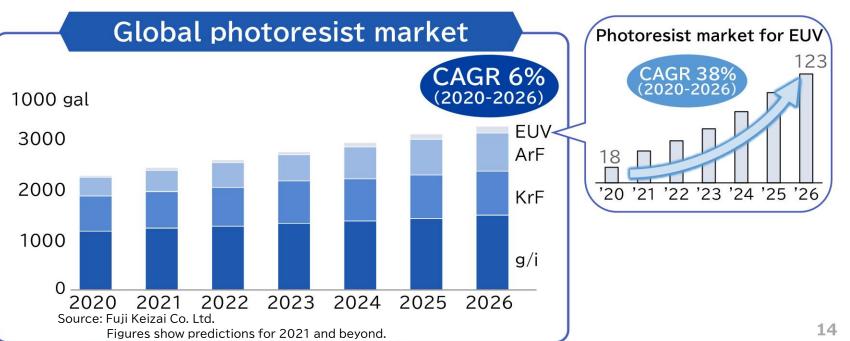




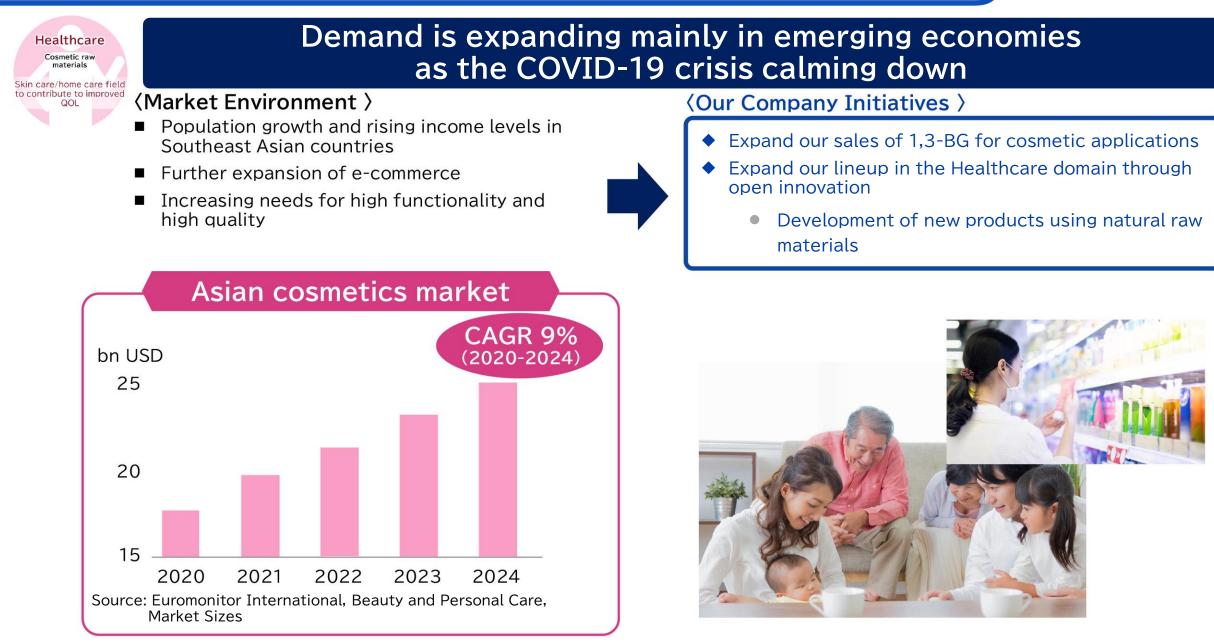




Equipment for next-generation semiconductor materials









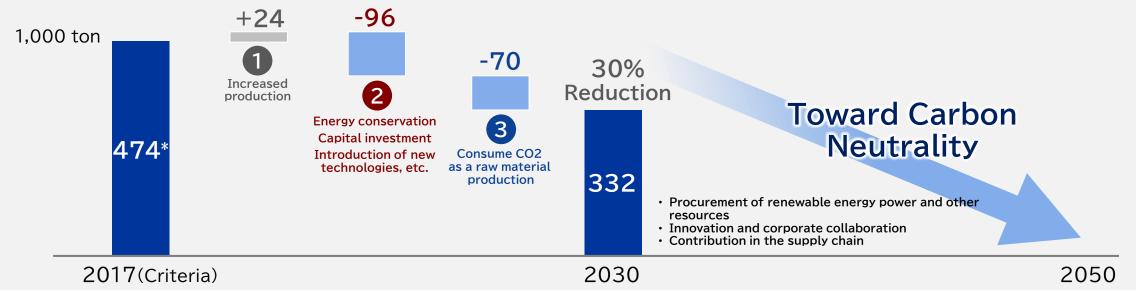
Further increase profits from performance chemicals by implementing various measures

Accumulated consolidated **Performance Chemicals** operating income 59.2 (bn yen) Refrigeration lubricant raw materials, Electronics materials. Increase Cosmetic ingredients, etc. 43.3 Operating income of by 37% 41.1 Environment **Refrigeration lubricant** raw materials Performance 30.1 Chemicals Field to capture changes in global warming and environmental regulations 18.1 Healthcare Electronics Basic 13.2 Chemicals High-purity Cosmetic raw solvents materials High performance Skin care/home care field The 3rd MTBP The 4th MTBP materials field to to contribute to improved support IoT and AI QOL Note: Operating profits in results by business field and administrative expenses common to the Group

are not allocated upon calculation.

Aim for carbon neutrality by 2050 and 30% reduction by 2030 (compared to 2017 levels)

Our company Greenhouse Gas(GHG) emissions (CO2 equivalent)

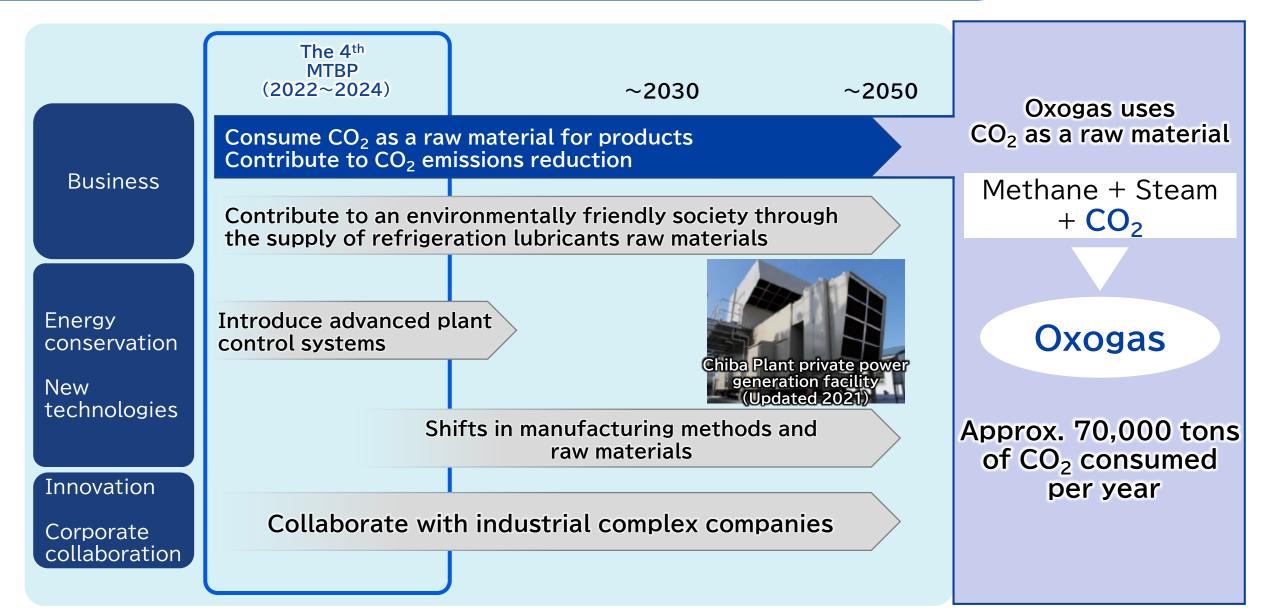


*reported quantity based on Act on the Rational Use of Energy

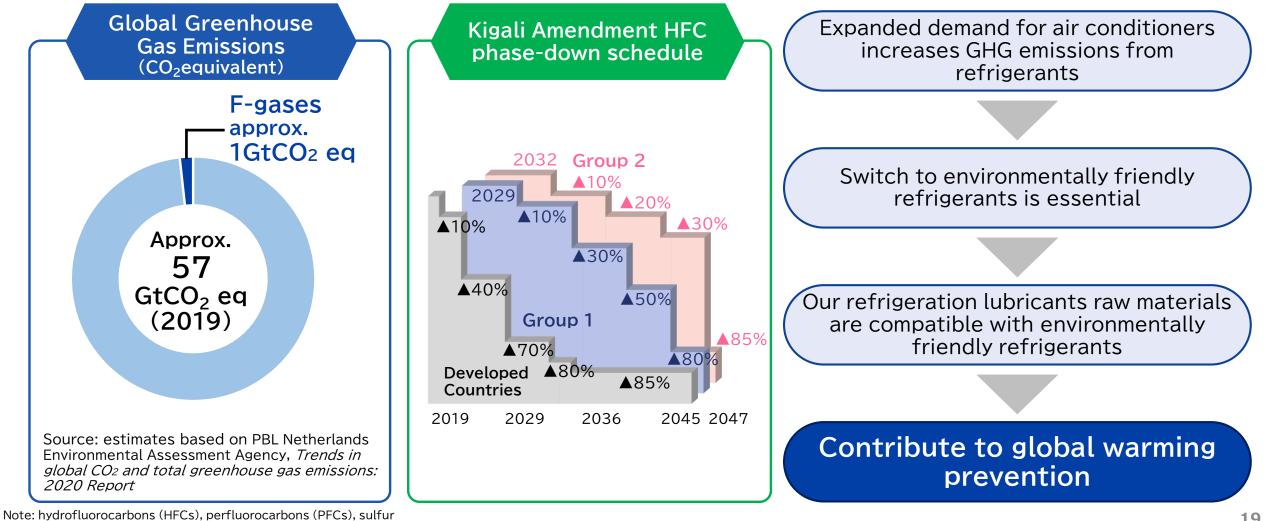
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Increase our production of refrigeration lubricants raw materials to contribute to achieving an environmentally friendly society

Promote energy conservation by introducing and extending advanced plant control systems Consider capital investment for new technologies to reduce GHG emissions Strategy II. Medium and Long Term Initiatives to Resolve Social Issues / KH Neo Chem



Contribute to global warming prevention through the supply of refrigeration lubricants raw materials



hexafluoride (SF6), and nitrogen trifluoride (NF3)

Sustainable enhancement of our corporate value through social issues

Social Issues in Our Strategic Domain



Prevention of global warming Removal of fossil fuels

biodegradable resin



Miniaturization of semiconductors

Healthcare

Cosmetic raw

n care/home care fie

pharmaceuticals

materials

Global improvement of

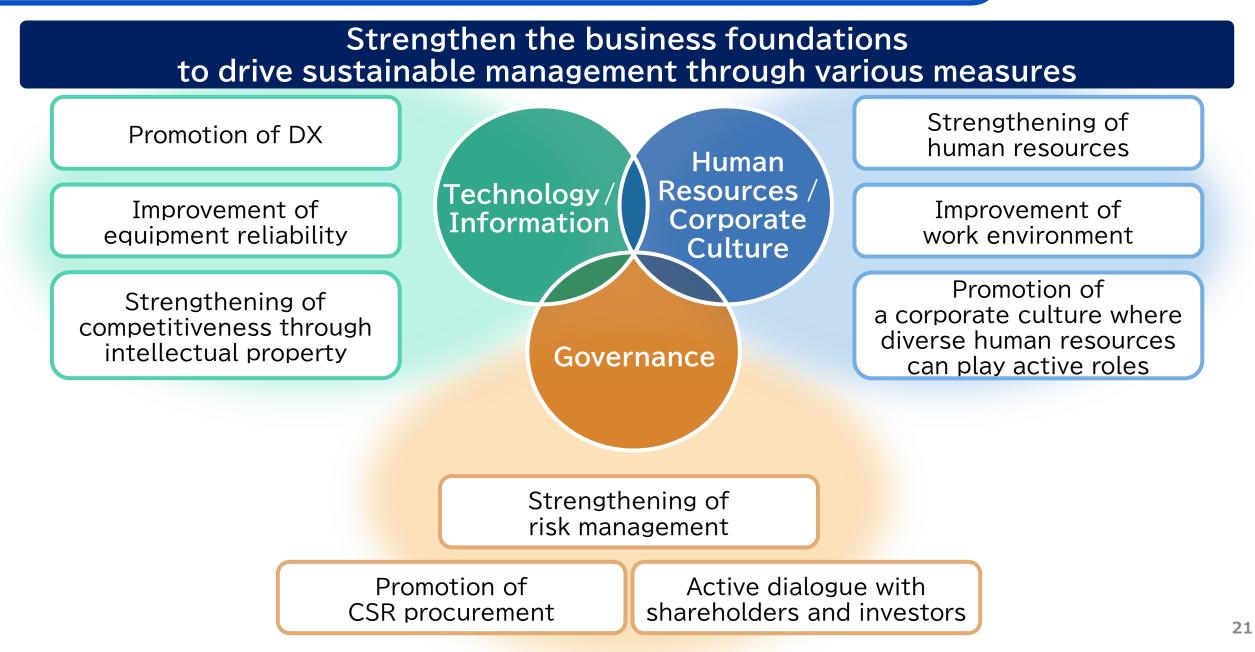
quality of life

Medium- to Long-Term

Acceleration of new business creation through open innovation Sustainable Co-creation of new technologies with external partners at our KH ienhancement of Lab and other open labs corporate value Investment in startups Alliances and M&A Environmentally Electronic Healthcare friendly materials materials material Develop marine Develop raw materials for

Expand new business products
 for cutting-edge semiconductors







Technology / Information

Improve productivity by utilizing latest and emerging technologies as driving forces

Promotion of DX

- Improvement of safety and productivity through Smart Industrial Safety
- Introduction of a predictive diagnosis system to detect faults due to plant apparatus aging before they occur

Introduction of a shipping system

Improvement of equipment reliability

Restructuring of preventive maintenance process based on risk assessment





Human Resources / Corporate Culture

Create a corporate culture where diverse human resources can play active roles and maximize their performance

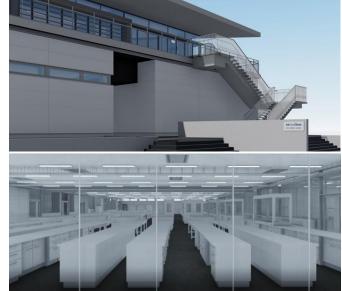
Strengthening of human resources

- Introduction of a new personnel system (specified employment) for non-managerial position employees
- Securing of diverse human resources and promotion of employees
- Improvement of employee engagement

Improvement of work environment

- Establishment of new Quality Control Building (Yokkaichi Plant: completion scheduled in March 2022)
- Improvement of workplace safety and productivity, promotion of work style reform through systematic renewal of plant office buildings







Governance

Strengthen corporate governance to enhance management transparency

Strengthening of risk management

Identification of important risks by using risk maps and implementation of countermeasures

Active dialogue with shareholders and investors

- Proper disclosure of information requested by the Prime Market of the Tokyo Stock Exchange
- Promotion of IR and SR activities with expanded coverage of non-financial information such as ESG, in addition to business performance and strategies

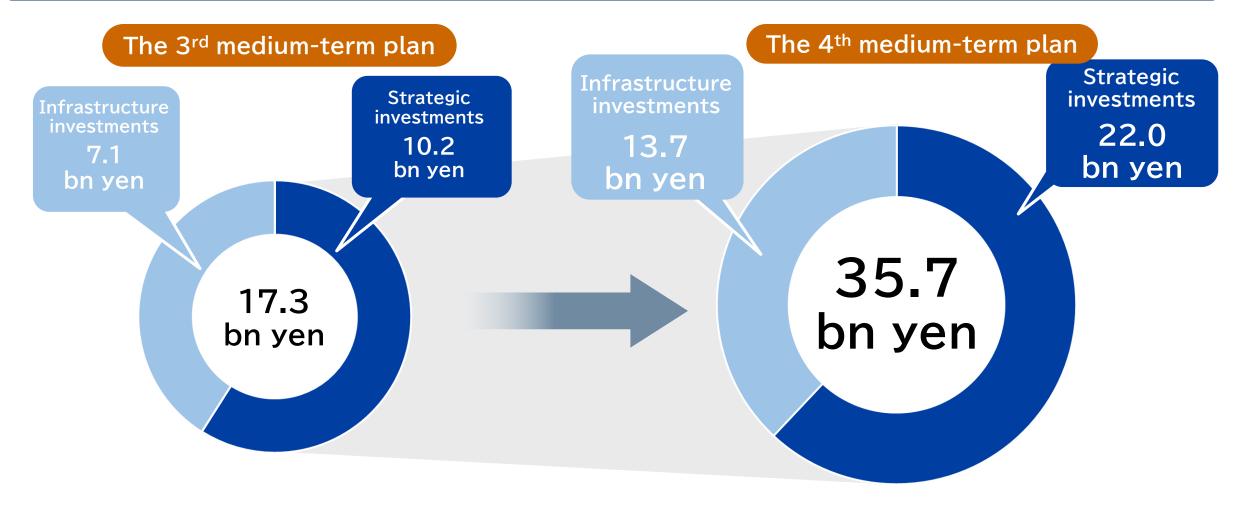




Investment Plan



Expand for sustainable growth both infrastructure investments and strategic investments

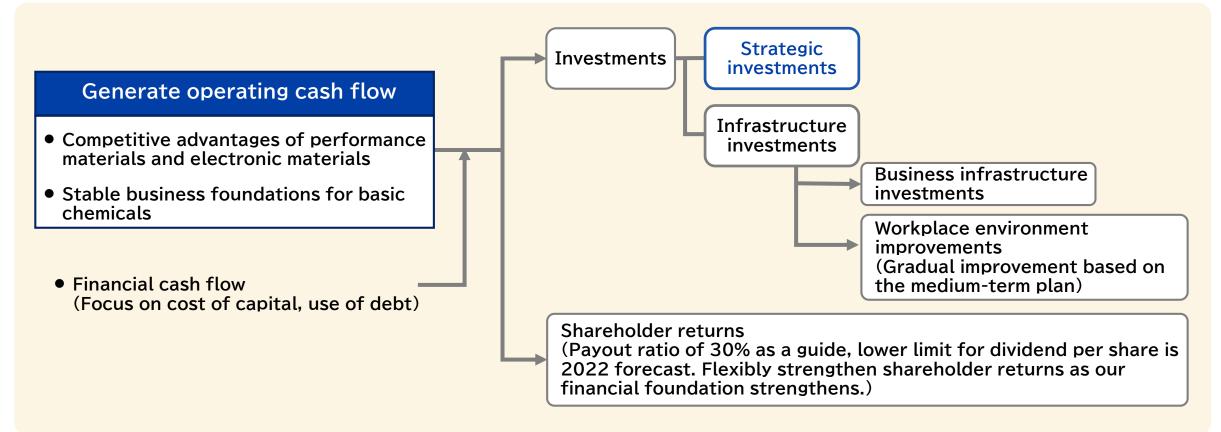


Financial & Capital Strategies



Basic Policy

- Further shift to strategic investments thanks to the improvement of financial soundness
- Stably implement shareholder returns based on growth in the medium and long term

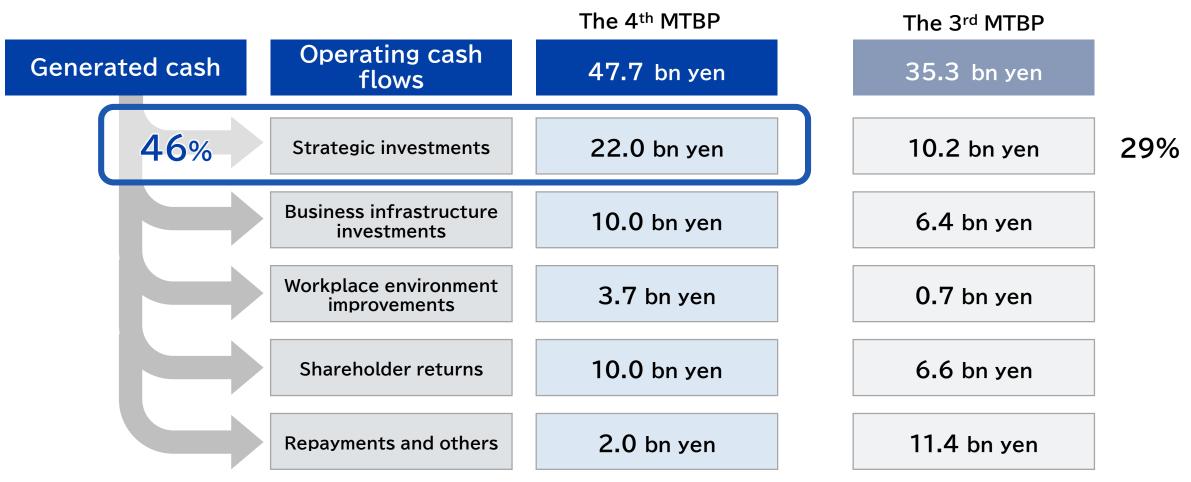


Financial & Capital Strategies

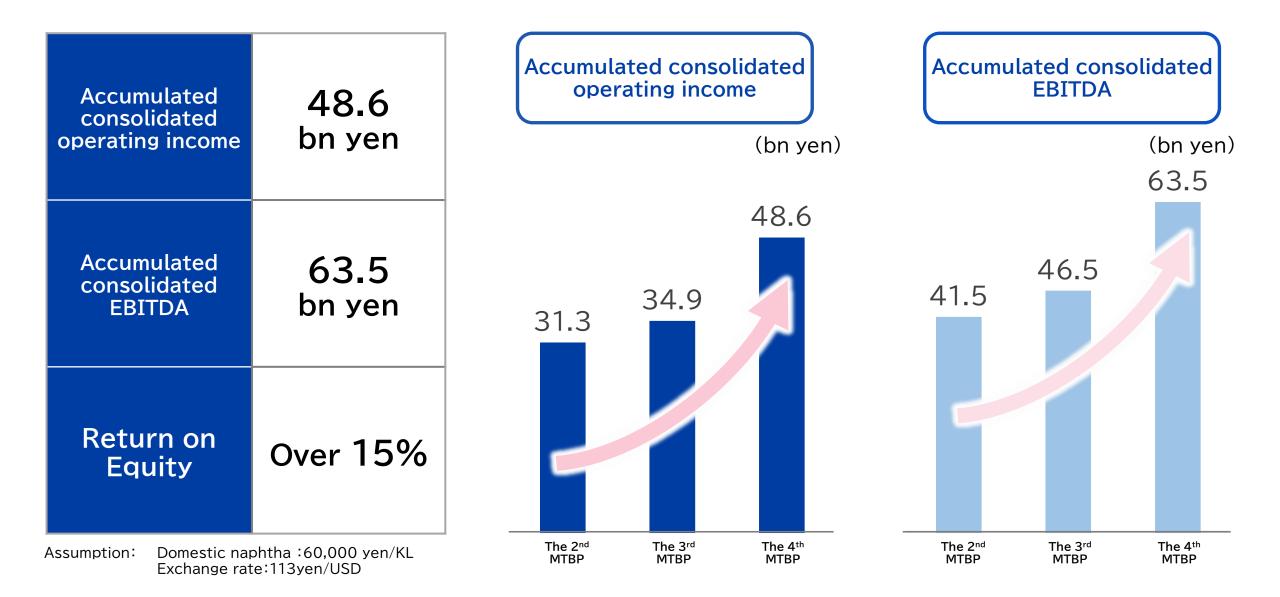


Capital Allocation

- Operating cash flow increased by 12.4 billion yen from the 3rd medium-term plan
- More aggressively allocate capital to strategic investments (the 3rd medium-term plan: 29%, the 4th medium-term plan: 46%)

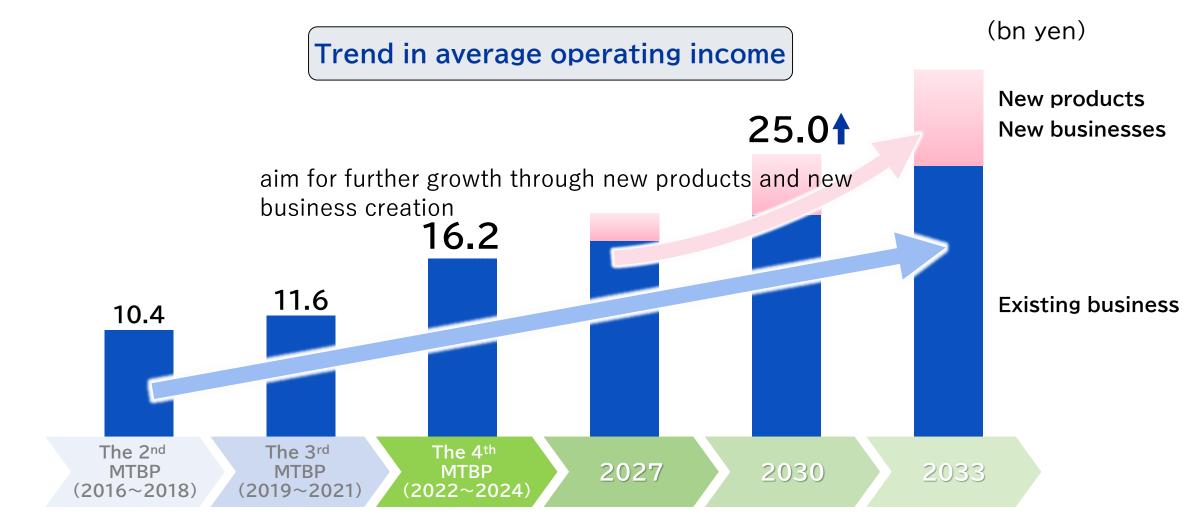








Aim for further growth through new products and new business creation in addition to achieve steady growth in existing business



Targets for 2024



Materiality Issue No.	Key Performance Indicator	Targets for 2024
1	Rate of increase in sales volume of refrigeration lubricants raw materials (compared to 2021)	over 17% increase
2, 3	Number of collaborations with external organizations in research and development	over 10 per year
4	Greenhouse Gas(GHG) emissions (CO ₂ equivalent)	30% reduction from FY2017 level (2030 target)
4	Energy intensity	1% or more improvement per year
5	Volume of final landfill disposal of industrial waste	1% or less of waste generated
6	Systematic introduction of Smart Industrial Safety	Production achieved as planned
7	Production plan achievement status	Implementation as planned
8	Identification of important risks by using risk maps and implementation of countermeasures	Implementation as planned
9	Number of compliance education and training sessions at all sites	over 5 times per year
10	Number of dialogues with investor	over 220 times per year
11	Number of employee accidents resulting in lost workdays	0
12	Ratio of female employees in managerial career track positions	over 15%
13	Rate of recruited personnel leaving work (in less than 3 years)	less than 10%
13	Engagement survey score	10% or more improvement
13	Rate of taking of annual paid leave	over 80%
14	Coverage ratio of Corporate Social Responsibility (CSR) questionnaire survey of main raw materials (based on purchase amount value)	over 70%
15	Operating income of core products (performance materials + electronic materials)	over 14.1 billion yen
15	ROE	over 15%
16	Improvement of productivity through introduction of advanced control systems	Introduced as planned and productivity increased
16	Status of progress in DX-related installations	Implementation as planned

Note: Materiality Issue No. 15 is consolidated, while No. 1-14 and 16 are not consolidated.

Operating profits in results by business field and administrative expenses common to the Group are not allocated upon calculation.



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