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1. Our Future Vision for the Kuraray Group

- 1 Our Roots
- 2 Long-Term Sustainability Vision
- 3 Initiatives to Achieve Net Zero Carbon
- 4 "Kuraray Vision 2026"
- **5** Business Portfolio

From its founding to the present, Kuraray has remained fully committed to helping resolve social and environmental issues through its business.



 Business management focused on fulfilling corporate social responsibilities (technological innovations and environmental solutions), assistance to national efforts to restore living standards post-WWII, the manufacture of products leveraging biomimetics.

(rayon (man-made silk), 〈CLARINO〉 (man-made leather), and isoprene rubber)

1926 Contributing to the resolution of social issues and improvement in the natural and living environment through business.

(KURALON for asbestos substitutes, activated carbon for water purification and 〈EVAL〉 for food loss reduction)



First president

Magosaburo

Ohara

Term of office

All the wealth gained from society should be returned to society.

Precursor of today's CSR-centered management philosophy

- Thoroughly reformed working environments for plant operators
- Built new dormitories while establishing educational facilities
- Helped provide medical care for and improved the welfare of community residents
- Developed Kurashiki's public infrastructure, etc.



Second president
Soichiro Ohara

Term of office

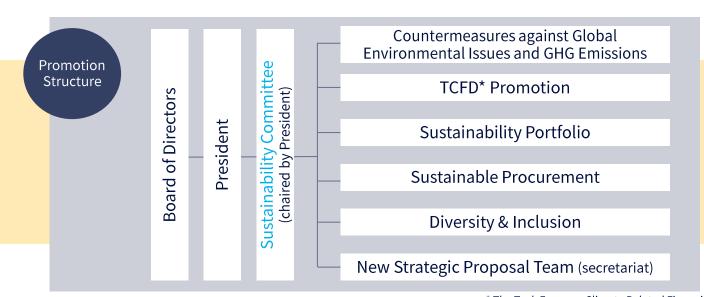
Any profit which a company might gain should be confined to those profits that come from technological innovation and from consideration of the social and economic benefits it brings to the entire nation.

- Commercialized KURALON, a synthetic fiber developed solely via the use of domestic technologies
- Developed an integrated manufacturing process encompassing raw materials and products
 - → Established vinyl acetate-related operations
- Developed and commercialized (CLARINO) man-made leather

June 1926~May 1939

Long-Term Sustainability Vision

As a sustainability leader, Kuraray will develop innovative solutions with unique products and cleaner technologies to improve the natural environment and enhance quality of life for people everywhere.



* The Task Force on Climate Related Financial Information Disclosure established under the Financial Stability Board (FSB)

Five Materiality Issues to Be Prioritized and Tackled by the Kuraray Group

Creating Value through Business

Improving the natural environment

Improving the living environment

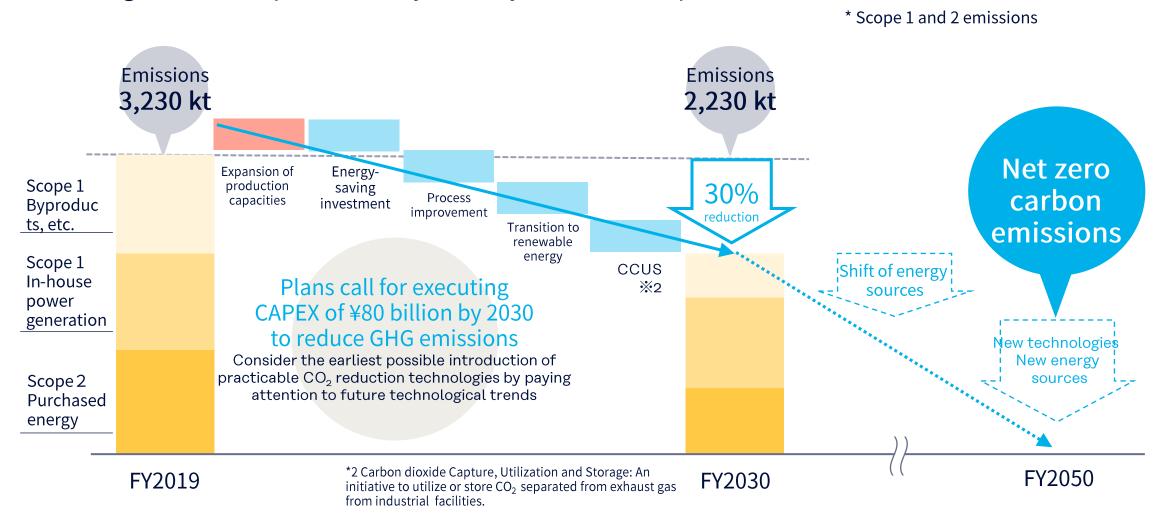
Creating Value to Strengthen the

Foundation of Kuraray

Effective use of resources and reduction of environmental impact

Improving supply chain management

Building a "company that people can take pride in" Toward our FY2050 target of net zero carbon emissions,* we aim to reduce CO₂ emissions arising from our operations by 30% by FY2030 compared with the FY2019 level.



Our Mission

We are committed to developing new fields of business using pioneering technology that improves the environment and enhances the quality of life throughout the world.

"For people and the planet—to achieve what no one else can."

Our Values

Philosophy

- Respect for individuals
- Close cooperation to attain shared goals
- Constant creation of new value

Guiding Principles

- Safety is the cornerstone of everything we do
- Customers' needs are our top priority
- We act on ideas in the workplace

Kuraray Vision 2026

Specialty Chemical Company contributing to customers, society and the planet and growing sustainably by incorporating new innovation platforms into its own technologies

We contribute to:

Customers

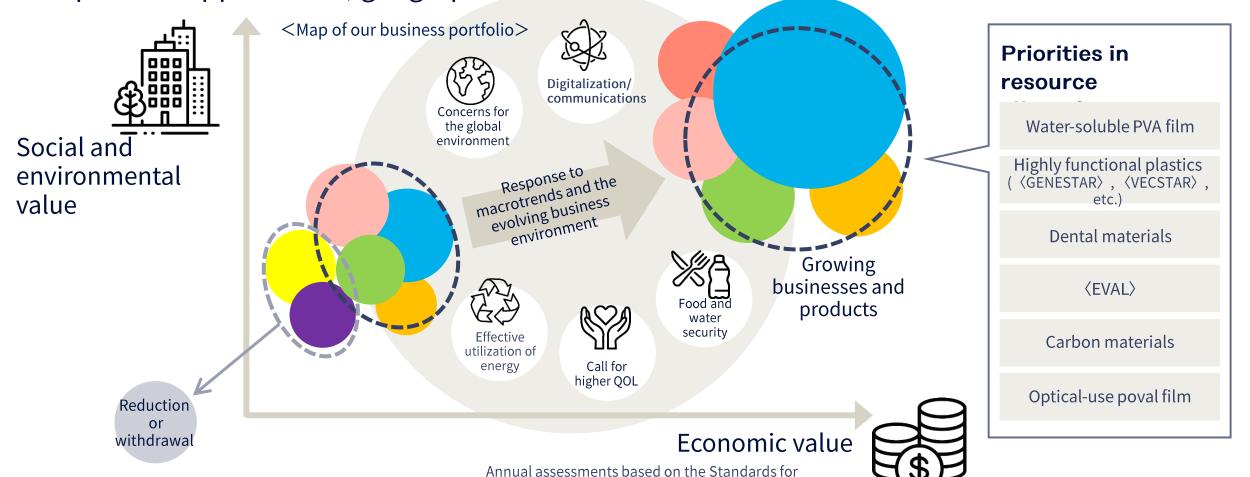




The Earth



Based on assessments of social, environmental and economic value arising from each business, we will constantly upgrade our portfolio by reshuffling its components in light of product applications, geographic locations of markets and other factors.



Business Reevaluation (profitability and efficiency)

2. Our Challenges

Three challenges

- 1 Sustainability as an opportunity
 - Medium-Term Sustainability Plan
- 2 Innovations starting from networking
- 3 Transformation of people and organization

Set three challenges to tackle during the medium-term management plan "PASSION 2026" period.

PASSION 2026



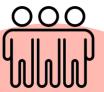
Our Challenges Sustainability as an opportunity

Take sustainability as an opportunity and promote it with the collective strength of the whole group



Innovations starting from networking

Create a growth driver by connecting people with people, and technologies with technologies, both within and outside the Company



Transformation of people and organization

Transform people and organization via the digital-driven process innovation and the promotion of diversity which will, in turn, help us bring to bear a broad range of ideas

Our Challenges (1)



Sustainability as an opportunity



Innovations starting from networking



Medium-Term Sustainability Plan

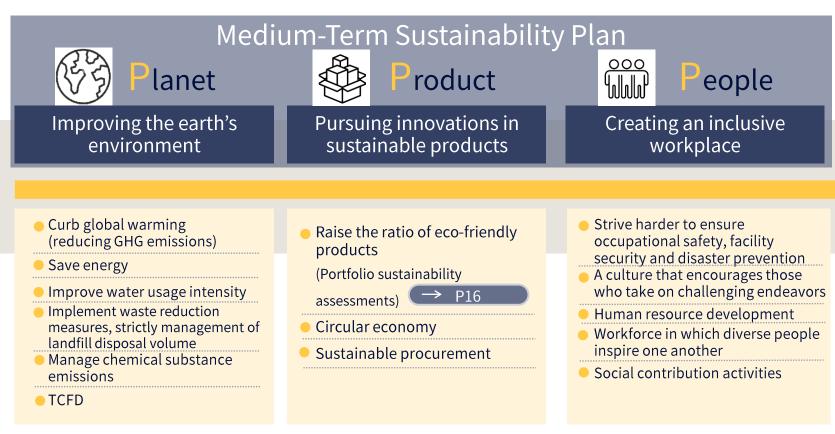


Planet (Improving the earth's environment)

Product (Pursuing innovations in sustainable products)

People (Creating an inclusive workplace)

Promote the Medium-Term Sustainability Plan in which the direction of our efforts to tackle materiality issues is reorganized with focus on the 3Ps.





^{*}For more details, please also refer to our dedicated Medium-Term Sustainability Plan website.

2. Our Challenges (1) Sustainability as an opportunity — Medium-Term Sustainability Plan



- Participation in global initiatives and other efforts to counter climate change
- Ongoing initiatives to reduce environmental burden

Initiatives to counter climate change

- Disclosure based on the TCFD recommendations
- Acquisition of the SBT (Science Based Targets)*1
 certification

Set scope 3 target and aim to acquire certification by 2024

• Internal carbon pricing system*2

Introduced in 2021. Plan to apply pricing of ¥10,000/ t-CO₂ during the next Medium-Term Management Plan period.

*2 A scheme designed to promote investment in low-carbon solutions and otherwise facilitate response to climate change via the conversion of ${\rm CO_2}$ emission volumes to expenses

Targets for ongoing reduction in environmental burden

Energy saving	Improve 5% in energy consumption intensity per unit of net sales in FY2026, compared with FY2019. (for all bases in Japan and abroad)
Water	Improve 5% in water usage volume per unit of
resources	net sales in FY2026, compared with FY2019.

(excluding seawater) (for bases in abroad)

Waste reduction

Improve 5% in the volume of waste generation per unit of net sales in FY2026, compared with FY2019. (for all bases in Japan and abroad)

Chemical substances

Control emission volume of waste regulated by PRTR at below 967t, FY2019 actual result. Comply with emission restrictions for chemical substances in each region.

^{*1} Voluntary targets set by business corporations with regard to GHG emission reductions over the course of 5 to 15 years in a manner consistent with the levels required by the Paris Agreement



sustainable products

Set target fields based on our mission to contribute to the natural and living environment.

Macro trends



Improvement of the global environment



Food and water security



Digitalization / communications



Effective utilization of energy



Target fields

- Air and water purification
- Reduce micro plastics
- Circular economy
- GHG capture, utilization and reduction of GHG emissions

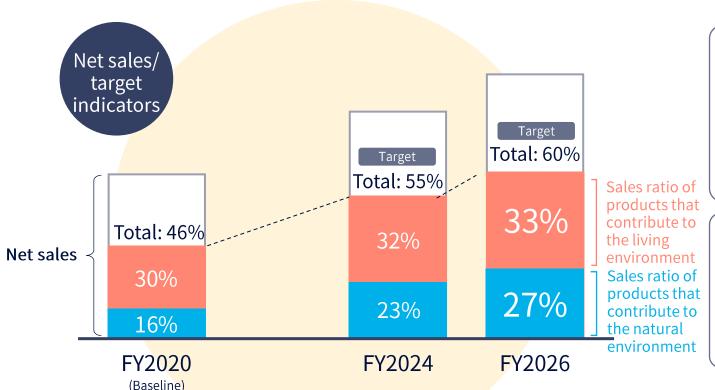
- Food loss reduction
- Improve agricultural productivity
- Safe water supply
- Electric and Electronic device materials
- High-speed telecommunicatio n device materials
- Materials for energy storage devices
- Energy-related materials
- Materials for electric and electronics devices

- Medical and healthcare
- Beauty goods and living supplies
- Improve indoor and in-vehicle environments

2. Our Challenges (1) Sustainability as an opportunity—Medium-Term Sustainability Plan



- Adoption of a PSA, which is being steadily introduced, especially by European chemical producers
- Business portfolio shift emphasizing social and environmental value



What is the PSA?

- PSA stands for Portfolio Sustainability Assessment
- A product portfolio assessment index for all industries by the WBCSD.*
- With the support of Sphera, U.S.-based ESG software and consulting company, we created the Kuraray PSA System, which is based on the WBCSD's chemical industry guidelines.

What are contribution products?

- We identify products contributing materiality in all businesses.
- We then assess each of their applications and areas on a scale of one to five.
- Highly ranked products (rank four or five) are considered PSA contribution products.

*WBCSD: World Business Council for Sustainable Development

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2. Our Challenges (1) Sustainability as an opportunity — Medium-Term Sustainability Plan



Pursuing innovations in sustainable products

- Diverse lineup of products help improve the natural environment and the living environment.
- Aim to increase the ratio of products that contribute to both environments.

Improving living environment

Improving natural environment

Asbestos substitutes

Kuralon

Help extend the life of and enhance the durability of cement materials

Bio-based or recycled raw materials

- Liquid rubber made from bio-based materials
- 〈ECOTALK〉 polyester
- 〈CLARINO〉 man-made leather



Water and air purification

Activated carbon







As a food packaging material to:

- Reduce the weight of packaging
- Prolong shelf-life

Lower logistical burden/ Food loss reduction

- 〈EVAL〉 EVOH resin
- Bio-based \(PLANTIC \)



Make dentists and patients life easier

Dental materials

• Shorten time of treatment

High-speed communication

- VECSTAR>
- Speed up communications thanks to high-frequency characteristics



Lightweight EVs

 〈GENESTAR〉 heat-resistant polyamide resin

2. Our Challenges (1) Sustainability as an opportunity — Medium-Term Sustainability Plan





Advance diversity of human resources via global business expansion and M&A.

Create innovations via active exchanges of diverse human resources.

Unified platforms for HR management



- Establish a globally unified employee grading system (for managers)
- Develop a human resource database (to visualize the status of human resources and leverage the resources efficiently)

Optimal staffing and encouragement to foster personal growth



- Promote a global mobility system (to expand career opportunities for employees and invigorate human resource exchanges)
- Implement global human resource development programs
- Systematically nurture senior management candidates

A culture that encourages those who take on challenges



- Promote diversity & inclusion and spread a culture that appreciates these values (Target is as presented below)
- Make various assistance programs available to those in need of diverse workstyle options (workstyles for the post-pandemic period)

Ensuring Diversity of Core Human Resources*

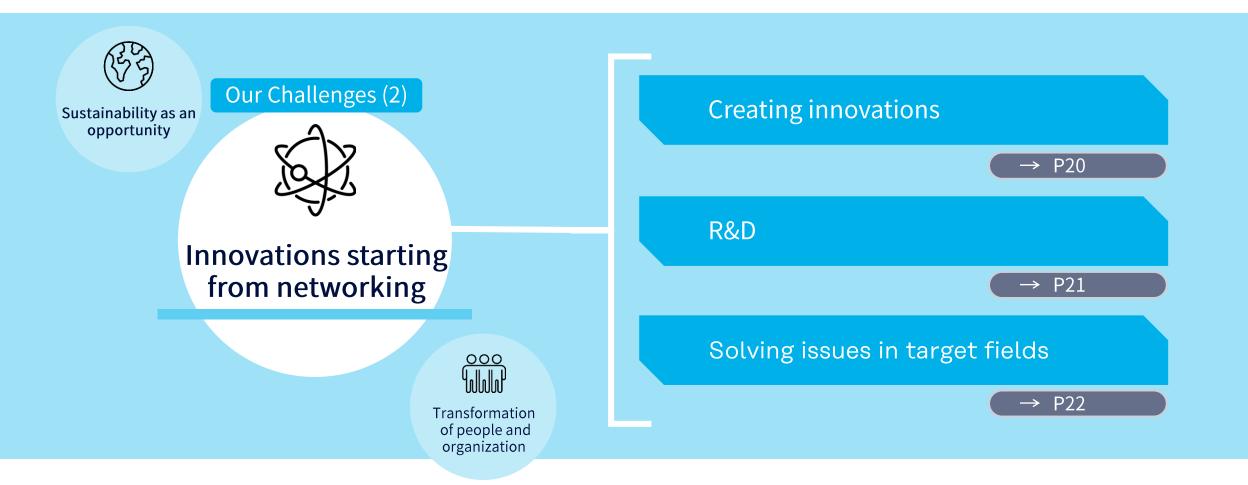
Actual at Sept. 2021)

Target in 2030

25%

*Ratio of managers who are women, foreign nationals and mid-career hires (in Japan, excluding production sites)

2. Our Challenges (2) Innovations starting from networking



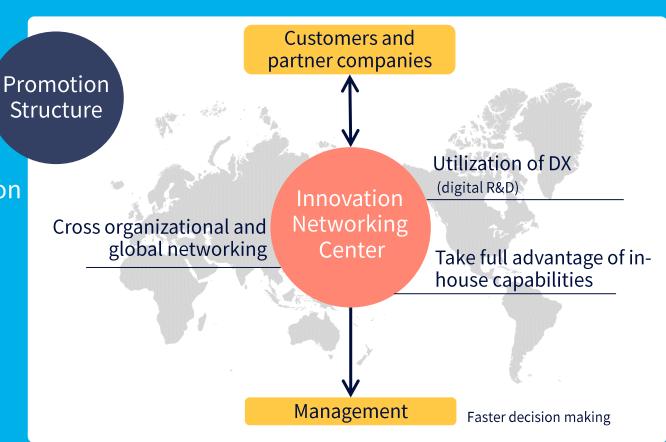
Create innovations via organic collaboration within and outside the Kuraray Group to solve social issues.

Establish an Innovation Networking Center

Collaboration with marketing, R&D, production technology and other divisions.

Collaboration with customers and partner companies.

Utilization of open innovations.



2. Our Challenges (2) Innovations starting from networking —R&D

- Promote development that contribute to sustainability and growth strategies.
- Plan to invest a total of ¥150 billion in R&D over the course of five years.

Development based on the customer perspective

- Pursue development to address unmet market needs* identified in the course of initiatives undertaken by the Innovation Networking Center
 - * Unsatisfied or unidentified potential demand or needs

Development that contributes to sustainability

- Develop materials and solutions that contribute to the natural and living environment (Waste reduction, recycling, biomass and biodegradable, highspeed communications, electronic device, healthcare, beauty and aesthetic needs)
- Accelerate development of technologies to reduce GHG emissions (CCUS)
- Establish the Environment and Energy Research Laboratory and develop bio-based new carbon materials etc.

Plan and promote IP strategy

Establish the IP
 management Center
 and promote a
 company-wide IP
 strategy that is aligned
 with business strategy.

Solve social issues in target fields to contribute to both the natural and living environment.

Concerns for the global environment



Environmental load reduction

Air and water purification

Adsorption

Reduce micro plastics

- Biodegradable polymers
- Functional enhancement of paper products



Circular economy

- Shift to mono-materials
- Circular business models



Global warming prevention

GHG capture

 Absorption and separation



GHG utilization

- Consider applications for EOR* * Enhanced Oil Recovery
- Polymer synthetized from CO₂

Reduce GHG emissions

- Promote the use of bio-based materials
- Contribute to weight reductions

Food and water security





Food loss reduction

Prolongation of shelf life

Improve agricultural productivity



 Materials for insect prevention and seed coating

Safe and secure water supply

• Removal of PFAS, organic fluorine compounds



Solve social issues in target fields to contribute to both the natural and living environment

Digitalization/communications



Electric and Electronic device materials

- Electronic devices and circuit substrates
- Semiconductor manufacturing equipment-related



High-speed telecommunication device materials

- Mobile data terminals (electromagnetic wave shields)
- 5G telecommunication device-related

Effective utilization of energy



Materials for energy storage devices

 Secondary batteries (anode materials, etc.)



Energy-related materials

Wind power generation materials



Materials for electric and electronics devices

 Next-generation vehicles (high-voltage parts)

Higher QOL



Medical and healthcare

- Dental materials
- Regenerative medicine materials

Beauty goods and living supplies

- Water-soluble films
 for individual product packaging
- Sanitary goods

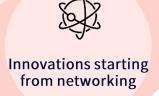
Improve indoor and in-vehicle environments

- Air purification
- Highly functional displays
- Vibration control sealants
- Interior parts (car seats, etc.)



2. Our Challenges (3) Transformation of people and organization





Our Challenges (3)



Transformation of people and organization

Taking Full Advantage of Digital Technologies



Transform our organization and process via the use of digital technologies.

DX Vision

Improve competitiveness, continuously evolve and contribute to the world as a digitally savvy company



Fields



Customer experience (CX) reforms

Understanding customers Customer contact points



Operational process reforms

Process digitalization
Higher capabilities and
efficiency
Performance management



Business model reforms

Digitized of businesses Novel businesses powered by digital technology Digitally driven globalizations



R&D and Production Technology simulations

Simulation of chemical reaction
Simulation of plant operations

Establish Global Digital Transformation Office

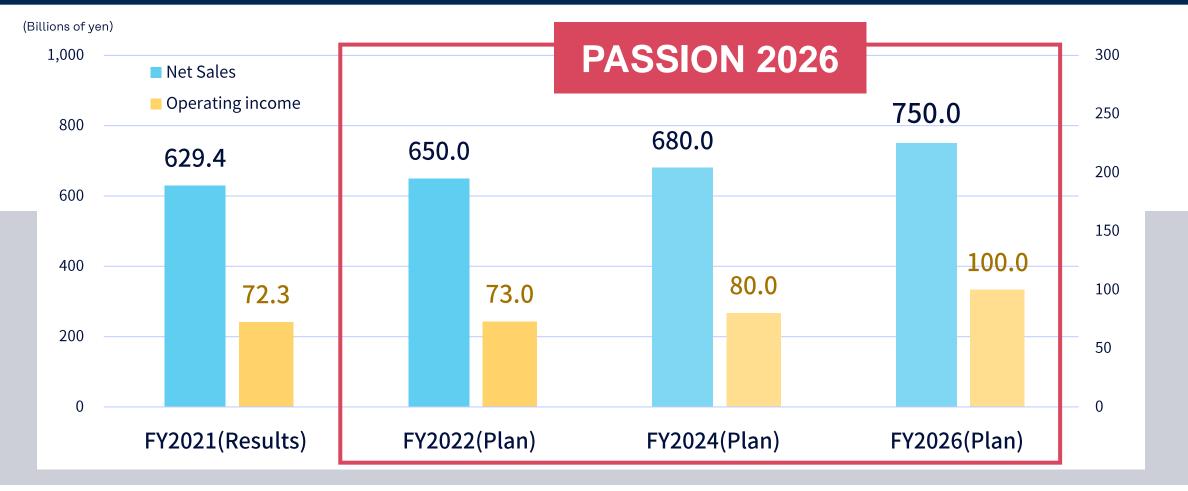
Data-driven organization "Think in data, decide by data."

Improve ratio of data analytics talents.

3. Management Targets

- 1 Numerical Targets
- 2 CAPEX
- ③ Financial Strategies
- 4 Shareholder Returns

3. Management Targets (1) Numerical Targets—Net Sales and Operating Income



	FY2021 Results	Assumptions during the Medium-Term Management Plan period
JPY/USD	110	110
JPY/Euro	130	130
Domestic naphtha (JPY 1,000/kl)	48	58

3. Management Targets (1) Numerical Targets—Net Sales and Operating Income by Segment

		FY2 Res		FY2 Pla		FY2 Pl	024 an		026 an	Differ (FY2026 v	rence s FY2021)
(8	Billions of yen)	Net sales	Operating income	Net sales	Operating income	Net sales	Operating income	Net sales	Operating income	Net sales	Operating income
	Vinyl Acetate	304.7	58.3	320.0	62.0	330.0	66.0	350.0	77.0	45.3	18.7
	Isoprene	61.9	6.1	65.0	6.5	75.0	5.0	90.0	10.0	28.1	3.9
	Functional Materials	142.4	8.7	145.0	9.0	155.0	11.0	175.0	18.0	32.6	9.3
	Fibers and Textiles	61.1	5.6	60.0	3.0	63.0	6.0	65.0	7.0	3.9	1.4
	Trading	144.0	4.8	58.0	5.0	60.0	5.0	70.0	6.0	(74.0)	1.2
	Other	44.3	1.2	44.0	1.0	47.0	2.5	52.0	3.0	7.7	1.8
	Adjustments	(129.1)	(12.4)	(42.0)	(13.5)	(50.0)	(15.5)	(52.0)	(21.0)	77.1	(8.6)
••••	Total	629.4	72.3	650.0	73.0	680.0	80.0	750.0	100.0	120.6	27.7

²⁸

3. Management Targets (1) Numerical Targets—Financial and Non-financial KPIs

- Steadily improve capital efficiency and ability to generate cash.
- Set GHG emissions, sales ratio of products contributing to natural and living environment, and human resources diversity as non-financial KPIs.

		FY2021 result	FY2026 target
Financial KPIs	ROIC	6%	8%
	EBITDA (Operating income + depreciation and amortization)	¥131.3 billion	¥170.0 billion
\$	ROE	7%	10%
4)2	EBITDA Margin (reference)	21%	23%

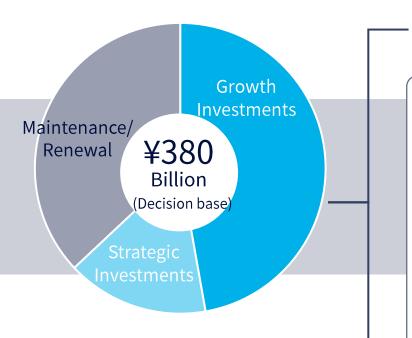
	Non-	١
	financial	
	KPIs	
1	\sim	



	Result in base year
GHG emissions (Scope1, 2)	3,230kt (in FY2019)
Sales ratio of products contributing to natural and living environment	46% (in FY2020)
Ensuring Diversity of Core Human Resources (Ratio of managers in Japan who are women, foreign nationals and mid-career hires, excluding production sites)	12% (in Sep FY2021)

Target			
FY2030 (30% less tha	2,230kt an base year)		
FY2026	60%		
FY2030	25%		

Proactively promote growth / strategic investments, including those aimed at reducing GHG emissions, to help improve both the natural and living environment.



Main Items Subject to Growth and Strategic Investments

Growth Investments

- Build a new 〈EVAL〉 plant
- Invest in projects related to LiB anode materials
- Increase optical-use poval film production capacity
- 〈GENESTAR〉 second-phase construction
- Increase (VECSTAR) production capacity
- Expand facilities for water-soluble PVA film
- New plant for liquid rubber
- Expand facilities for dental materials

Strategic Investments

- Invest in GHG emission reduction
- Build a new research center
- Invest in DX-related projects

Assuming the accumulation of operating cash flow totaling ¥600 billion over the course of five years, plan to invest ¥380 billion and ¥100 billion, respectively, in CAPEX and M&A.



CAPEX

- Plan to invest ¥380 billion over a cumulative 5-year period. (Decision base)
- Current investment budget for GHG emission reductions amounts to ¥30 billion and accelerating investment planned after FY2027 to the earliest possible date by applying the latest technological developments.

M&A

Consider M&A in businesses prioritized in resource allocation. (High-performance plastics, dental materials, activated carbon, etc.)

Shareholder Returns

Enhance shareholder returns by expanding profits.

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Shareholder Return Policy

Total return ratio: 35% or more

Dividends per share: ¥40 or more/year

Share buybacks: Conduct flexibly

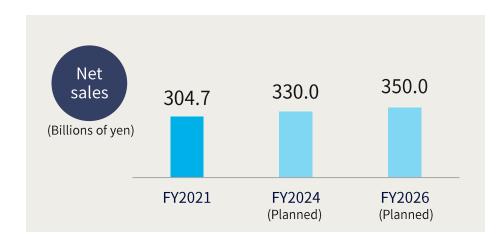
	FY2021 Results	FY2022-FY2026 Plan
Total return ratio	36.9%	35% or more
Annual dividends per share	¥40	¥40 or more

Enhance shareholder returns by expanding profits.

4. Strategies by Business

- 1 Vinyl Acetate
- 2 Isoprene
- 3 Functional Materials
- 4 Fibers and Textiles
- **5** Trading

- Leverage the strengths of our vertically integrated supply chain to achieve sustainable growth as the Kuraray Group's core business.
- Making the most of the characteristics of each product and contribute to a circular economy.





PVA resin

- Maintain a robust supply system by taking advantage of our strengths backed by our own raw material production capabilities
- Continue to shift from quantity to quality (new applications and high valueadded products) and expand profits

Optical-use poval film

- Strengthen production and sales systems in accurate response to demand growth and the market shift to China
- Launch and expand sales of value-added products that meet customer needs, such as high-transparency or thin film

Water-soluble PVA film

- Ensure the early and stable launch of a production site in Europe and increase production capacity in a timely manner in response to demand expansion
- Promote the development of new applications as well as biodegradable and bio-based raw materials to contribute to a circular economy

Advanced Interlayer Solutions

- Increase profits by expanding sales of <SentryGlas>, our unique product
- Leverage the strengths of the global supply system supported by bases in Europe, the U.S. and South Korea while accelerating the launch of newly developed products

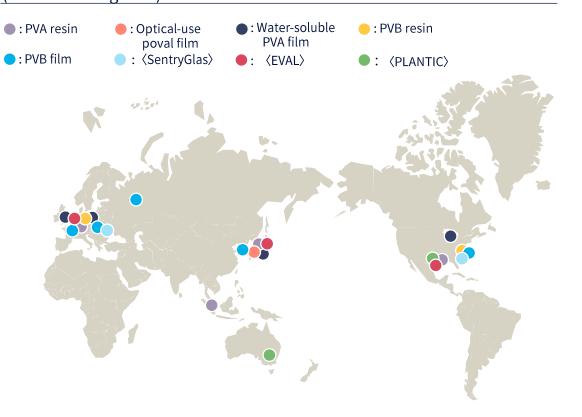
(EVAL)

- Strengthen the stable supply system and build a new plant in Asia
- Contribute to reduction in food loss as we strive to meet growing demand for food applications
- Expand rollout of bio-based (PLANTIC)

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Strengthen the global supply system, maximize the customers value and expand profit.

Global Network of the Vinyl Acetate Company (manufacturing sites)



Optimizing Supply Systems

- Expand integrated production, which includes raw materials, and our stable supply system utilizing our global network
- Globally centralize quality and safety data

Enhancing Production Capabilities

- Establish a new water-soluble PVA film plant in Poland
- Build a new 〈EVAL〉 plant in Asia

Optimizing Global Distribution

- Visualize distribution using digital technologies
- Provide timely delivery information to customers

- Leverage strong and collaborative partnership with customers to achieve quantitative business growth and develop new applications.
- Expand production capacity to meet increasing demand.

Supply System of the Water-soluble PVA Film Business



Aim to achieve 8% growth in CAGR

Expand global production capacity

Launch a new plant in Poland to supply products efficiently to the European market where demand is growing. Consider the further expansion of production capacity based on demand forecast. Increase our market share on the back of market expansion

Continue to improve quality to meet customer and consumer needs.

Develop new applications

Take advantage of collaborative relationships with customers to develop new applications, such as personal care, cosmetic products, etc.

- Early contribution to profit by launching a new site in Thailand.
- Raise sales and promote the new development of one-of-a-kind products with high customer value.



Isoprene Chemicals

- Expand sales of one-of-a-kind products that are growing steadily
- Quickly commercialize newly developed products to secure new profit contributors
- Promote sustainability (Reduce CO₂ emissions via the switchover of raw materials and the improvement of manufacturing process)

Elastomers

- Strengthen global supply system of \(SEPTON \)
- Build a new plant of liquid rubber in the U.S.
- Promote development and expand sales of products that are high valueadded and made from sustainable raw materials

(GENESTAR)



- Promote the use of our materials in an even broader range of automotive parts on the back of the shift toward weight reduction, electronic control and EVs
- Penetrate further into global markets, including Europe, the U.S. and Asia
- Consider the second phase of facility construction in Thailand

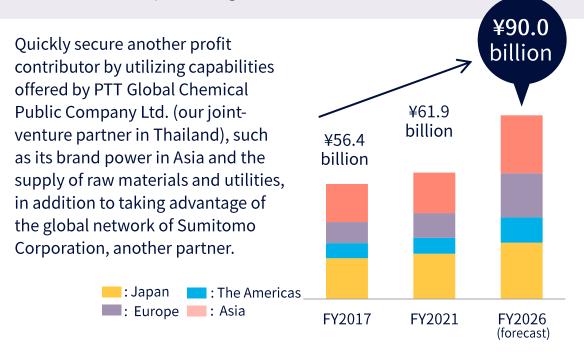
Strengthen the global supply system with the launch of the site in Thailand.

Global Network of the Isoprene Business

~Strengthening the Global Supply System~

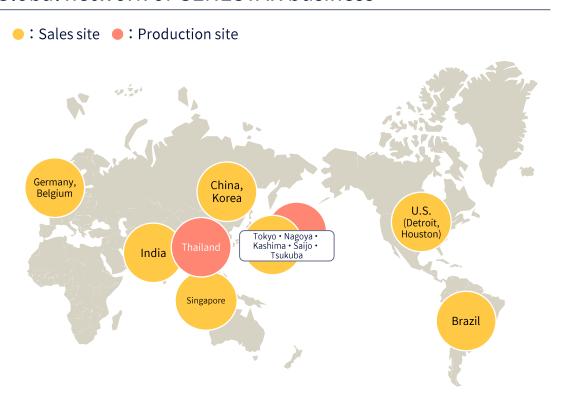


Forecast following the launch of the site in Thailand (Sales in the Isoprene segment)



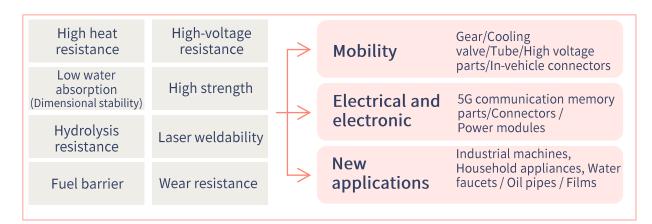
- Enhance marketing and technical service structures and accelerate the development of new applications taking advantage of material characteristics.
- Double the production capacity with the start of operations at the Thai site while considering the second phase of facility construction in Thailand.

Global network of GENESTAR business



Aim to achieve 10% growth in CAGR

- Promote the use of our materials in an even broader range of automotive parts on the back of the shift toward weight reduction, electronic control and EVs
- Penetrate further into global markets, including Europe, the U.S. and Asia
- Consider the second phase of facility construction in Thailand



Offer products and services with high environmental and social value and contribute to improvement in quality of life (QOL).



Methacrylate

- Develop and realize high-value-added materials and technologies for the next generation
- Establish a recycling system and achieve production process innovation

Medical (dental materials)

- Constantly introduce a stream of new high-value-added products in the CAD/CAM field
- Optimize the global supply system to expand market share in Europe and the U.S.

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Environmental Solutions

- Expand profitability leveraging strengths as an activated carbon manufacturer
- Fully realize synergies and growth by enhancing our production capabilities for both virgin and reactivated carbon
- Develop products related to reducing GHG emissions for electrical material and mobility applications

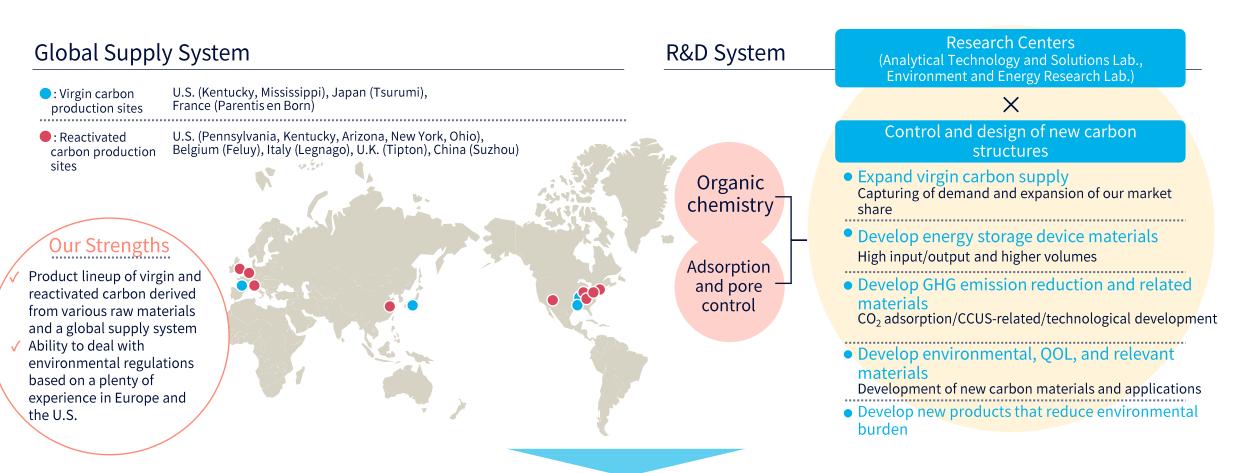
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Aqua

- Strengthen the membrane business by leveraging our unique technologies
- Promote environment-related businesses backed by synergies with the activated carbon business

*Aqua business to be transferred to Functional Material segment from FY2022.

Expand profitability by leveraging our strengths as a general activated carbon manufacturer



Achieve ¥10.0 billion of synergy by FY2026.

Strategies by Business: Functional Materials (2) Environmental Solutions Division—Strengthening the Reactivated Carbon Business

- Contribute to a circular economy by pursuing value for using reactivated carbon
- Build the reactivated carbon business in Asia as it expands in Europe and the U.S.

Activated Carbon Recycling System

Acceptability test, acceptance, analysis

Thermal reactivation

Refill and shipment

- It can be repeatedly recycled (virgin carbon is refilled to supplement depleted)
- It is reactivated for optimal conditions according to the adsorption properties based on our long track record and experience
- We achieve quality equivalent to virgin carbon through strict quality management



Benefits of the reactivated carbon business



- CO₂ emissions are 80% lower than those from the production of virgin activated carbon.
- Suited to a recycling-based society.
- Relieving customers from the disposal of used activated carbon.

Future measures for expansion

- Enhance business foundations in Europe and the U.S. to better respond to growing environmental consciousness among customers.
- Expand our business in Asia in response to growing needs for environmentally friendly products

Reactivated carbon is spent activated carbon, which has reduced performance, that is treated at high temperatures to expunge adsorbed organic matter and restore its adsorption performance.

Based on Kuraray Noritake Dental's strength in technological capabilities, contribute to higher QOL by developing new products that reduce burdens on patients and dental care workers.



Help improve QOL by shortening treatment time and contributing to preventive treatment and dental care for seniors.

- Expand the lineup of CAD/CAM materials, such as zirconia.
- Accelerate the development of bioactive materials.

Strengthen sales and marketing capabilities

- Strengthen marketing in Europe and the U.S.
- Enhance communications using the combination of conventional face-to-face sales and digital marketing.

Establish the product supply system to achieve global business expansion

- Strengthen stockpile management.
- Expand production capacity.

Aim to expand sales, mainly in the European and the U.S. markets, and achieve 10% growth in CAGR

Strengthen profitability by shifting to high-value-added products using unique raw materials and manufacturing technologies.

globalization of supply chains



⟨CLARINO⟩ Expand sustainable products using recycled raw materials and bio-based raw materials while shifting to environmentally friendly manufacturing and processing processes As a leading company, expand our supply system in response to the

Fibers and Industrial Materials → P46 Expand < Vectran > business by leveraging the characteristics of materials Expand our operations by concentrating resources on such strategic applications as rubber reinforcement and concrete reinforcement Expand the breadth of product applications in fields requiring compliance with environmental regulations (e.g., asbestos substitutes)

Consumer Goods and Materials Expansion of environmentally friendly products* and sustainable materials *Products that have acquired FSC® certification, an international forestry certification system Expand the lineup of unique products, such as <MAGICTAPE>, to meet laborsaving needs for customers' manufacturing processes

- Expand sales of sustainable products.
- Pursue environmental friendliness by shifting our raw materials as well as our processes, both in manufacturing and material processing.

Enhance the lineup of products made from recycled and bio-based raw materials.

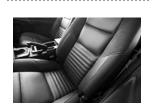


Shift to environmentally friendly processes, both in manufacturing and material processing.

Expand sales of sustainable products



Car seats



Shoes and sports



Molding



Expand sales in the field of high fashion brands in Europe and the U.S., who have high consciousness of environmental concerns.

Respond to an increase in veganoriented product needs. Maintain luxury appearances while realizing lighter weight and higher strength.

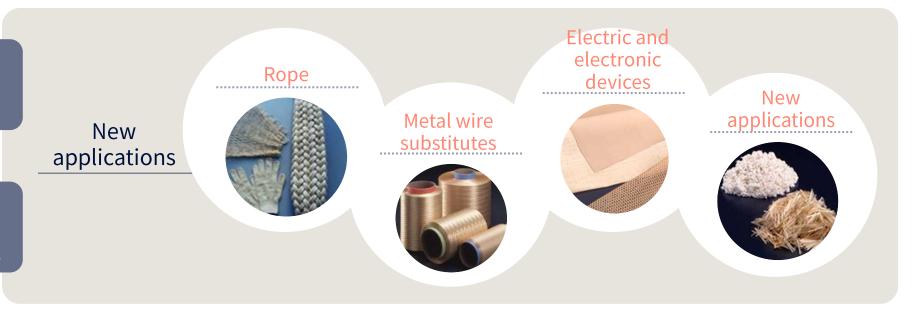
— Used in a wide range of applications, from the seafloor to outer space

- Accelerate the expansion of new applications by developing high-value-added products and providing technical services.
- Expand production capacity in response to increasing sales volumes.

Pursue high-value-added applications based on material characteristics.

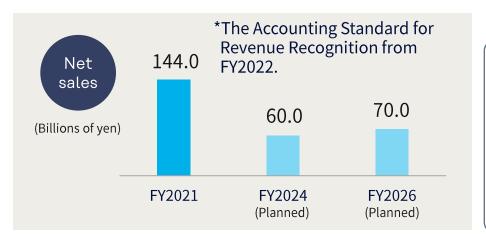
X

Carry out evaluations and technical services based on the mode of customer usage.



Aim to achieve 10% growth in CAGR by developing new applications leveraging material characteristics of Liquid Crystal Polymer (LCP) fiber

- Shift to high-value-added businesses and strengthen profitability by broadening the lineup of proprietary products and expanding processing businesses.
- Expand sales from overseas businesses primarily in Asia.



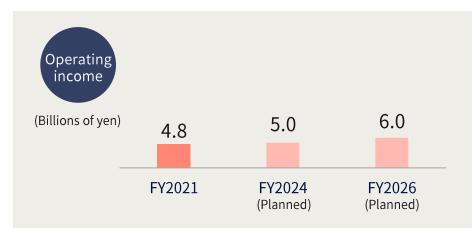
Functions of Kuraray Trading

Expansion of proprietary business

- Shift from raw yarn and fabric sales centered on <Clavella> polyester filaments to product sales including wearable materials
- Expansion of value-added processed products

Expansion of overseas business

- Overseas expansion adapted to growing Asian markets
- Utilization of Vietnamese production sites



Contributes to Group Performance Due to Stronger Profitability

Expansion of the 〈ECOTALK〉 Add more value to recycled fiber made from plastic bottles.

Expand the use of biomass-based materials.

Promote other materials designed to help curb environmental burden.



References

- 1 Safety Initiatives
- 2 Basic Policies for Portfolio Management
- 3 Kuraray Group Global HR Policy
- 4 Standards for the PSA-Based Assessments of Contribution
- ⑤ Review of the Previous Medium-Term Management Plan "PROUD 2020"

Guiding Principle on Ensuring Safety

Safety is the Cornerstone of Everything We Do

Action Courses on Ensuring Safety (FY2022)

- Ensuring "Safety First,
 Production (Construction and R&D) Second"
- Predict Hazards and Ensure Safety before Taking Action, then Confirm the Action Results are What You Expected
- Each Employee Acts Proactively with the Intention of Ensuring Safety as "Their Own Issue"

Safety Promotion Committee

- Chaired by the President and active Company-wide
- Formulates safety-related action principles and policies
- Formulates targets related to safety priority activities for process safety and disaster prevention

On-site verification of safety activities

 Regular safety activity verification and opinion exchanges at production sites (the President and safety executives visit all complexes in Japan and major overseas bases)

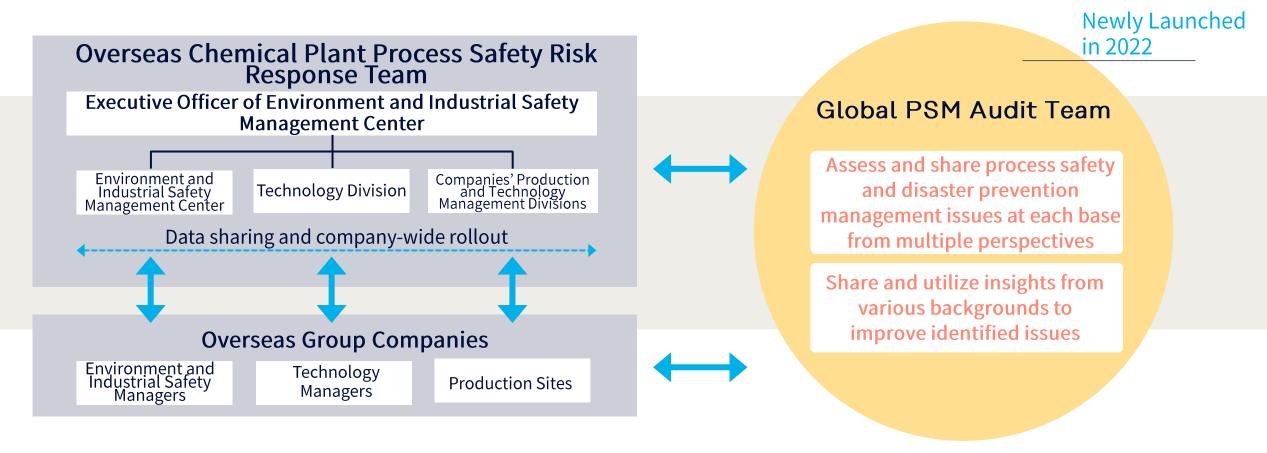
Safety Audits for Chemical Plants outside Japan

- Headquarters conduct safety audits
 - 1. Improve management systems
 - 2. Enhance education and training
 - 3. Expand risk assessments

(1) Safety Initiatives

We will launch the Global PSM Audit Team* and strengthen safety audits for chemical and activated carbon plants.

*The Global Process Safety Management Audit Team globally selects members well verses in process safety and disaster prevention from employees of each base and conducts cross-organization safety audits at each base.



Basic Policies for Portfolio Management

- We aim to develop a business portfolio focused on fulfilling Our Mission, as defined under our corporate statement, in a way that aligns with our recognition of the internal and external conditions.
- We aim to secure a solid and stable business portfolio encompassing multiple core businesses serving as earnings pillars.
- We periodically assess the potential of each business based on clearly defined quantitative internal standards.*1
- In addition to undertaking quantitative assessments, we assess each business based on qualitative standards (contribution to the environment and society, synergies arising from combinations with other business, etc.).
- Based on the results of the quantitative and qualitative assessments, we review allocations of resources and decide to expand, maintain, reduce or withdraw from each business.

^{*1 &}quot;Standards for Business Reevaluation" were established in 2001 to provide clearly defined inhouse standards, with evaluations being undertaken via the use of OCF, which represents earnings power, and ROIC, which represents efficiency.

(3) Kuraray Group Global HR Policy

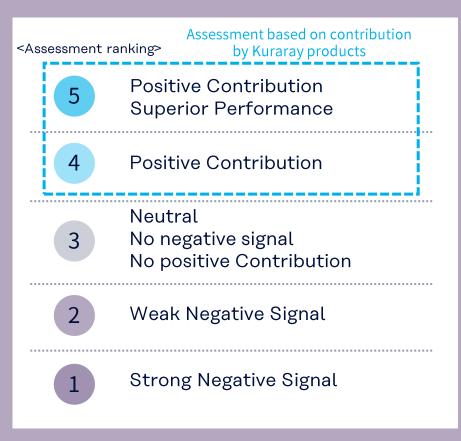
The Kuraray Group's Global HR Policies

(Revised February 2021)

- We will respect the human rights of individuals.
- We will abolish discrimination and respect diversity.
- We will carry out our HR activities in full compliance with applicable laws and regulations.
- 4 We will create HR systems that uphold equality, fairness and transparency.
- We will strive to improve the environment of workplaces.
- We will strive to employ personnel who are able to contribute to the development of the Kuraray Group.
- We will place the right person in the right job.
- 8 We will implement evaluation and benefits systems that are fairly satisfactory.
- We will support professional developments.
- We will strive to promote appropriate disclosure of information and communication.

(4) Standards for the PSA-Based Assessments of Contribution





Fundamental requirements

- Chemical and hazardous substance management
- Application to Kuraray Action Guidelines
- Economic value
- Reputational risks

Stakeholder requests

- Regulatory trends by region
- Sustainability policies across the value chain
- Eco labeling, certification, etc.

Assessment

Relative assessment against benchmark

(5) Review of the Previous Medium-Term Management Plan "PROUD 2020"

Four Management Strategies

Pursue competitive superiority

Expand new business fields

Enhance comprehensive strength of the Kuraray Group

Contribute to the environment

Main Management Targets

Conduct continuous capital expenditure for growth in core and new businesses

Isoprene

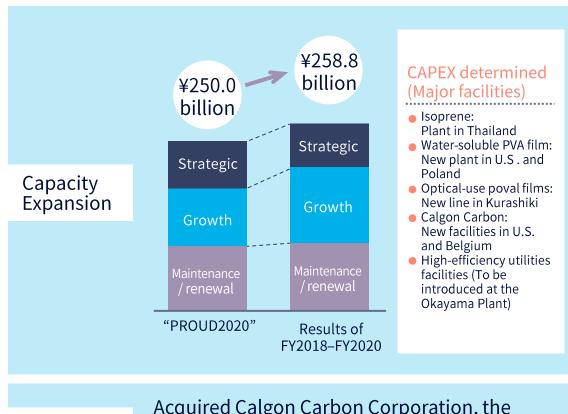
Pursue business expansion via a project in Thailand

Carbon materials

Swiftly realize synergies with Calgon Carbon

Establish global business foundations

Contribution to natural environment and quality of life



M&A

Acquired Calgon Carbon Corporation, the world's largest producer of activated carbon in March 2018

(The amount: USD1,093 million)

(5) Review of the Previous Medium-Term Management Plan "PROUD 2020"

Review of Operating Results

(Billions of yen)	FY2018 results	FY2019 results	FY2020 results	FY2020 targets (PROUD 2020)
Net sales	603.0	575.8	541.8	650.0
Operating income	65.8	54.2	44.3	90.0
Op. income ratio (%)	10.9	9.4	8.2	14
Net income	33.6	(2.0)	2.6	62.0
EPS (yen)	96	(5)	7	176





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- All figures are rounded to the nearest hundred million yen.
- This presentation contains various forward-looking statements which are based on the current expectations and assumptions of future events. All figures and statements with respect to the future performance, projections, and business plans of Kuraray and its group companies constitute forward-looking statements. Although Kuraray believes that its expectations and assumptions are reasonable, actual results and trends of Kuraray's performance could differ materially from those expressed or implied by such figures or statements due to risks and uncertainties in the future business circumstances. The factors which may cause such difference include, without limitation: (1) general market and economic conditions in Asia including Japan, the U.S., Europe and other regions; (2) fluctuations of currency exchange rates, especially between the Japanese yen and the U.S. dollar and other foreign currencies; (3) changes in raw material and fuel costs; (4) industrial competition and price fluctuations in Japan and international markets; (5) advance or delay in the construction of new plants and production lines; (6) successful development of new products and technologies; and (7) changes in laws and regulations (including tax and environmental) and legal proceedings.
- Trademarks of Kuraray Co., Ltd. and Kuraray group companies are enclosed in ⟨ ⟩ marks.