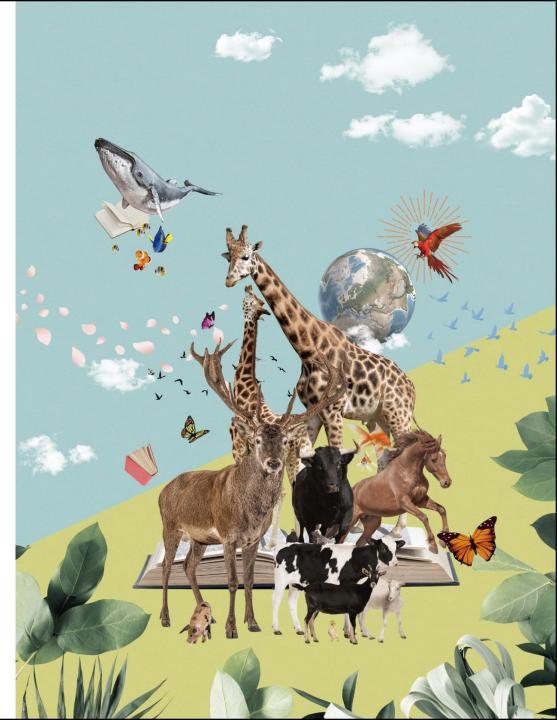
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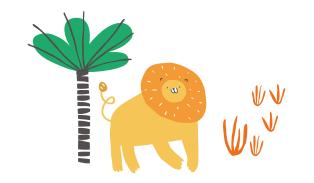
Management Plan

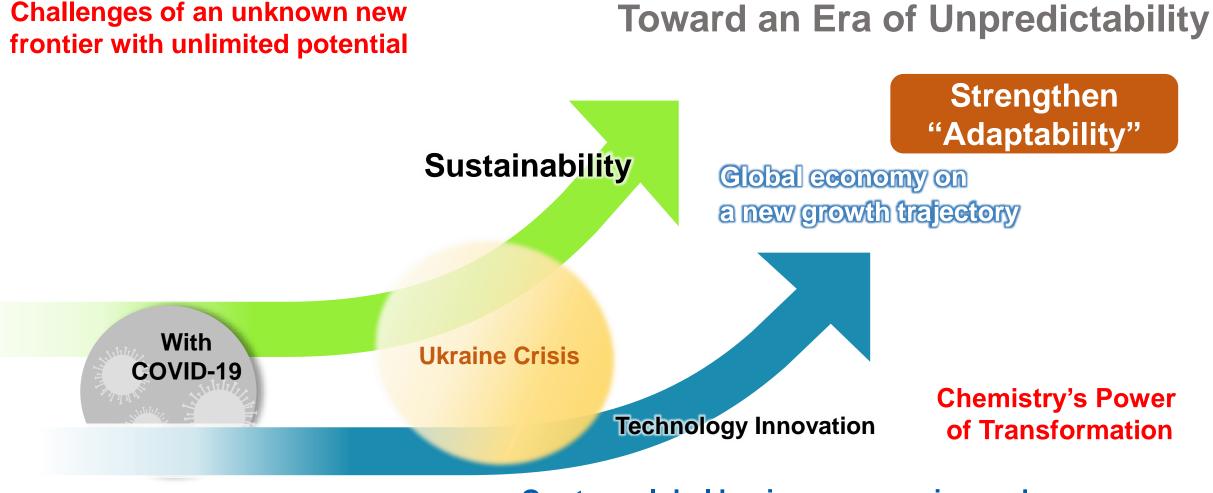
Kaneka Corporation

May 19, 2022



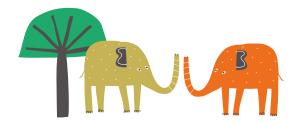
1 Awareness of the Time





Our true global business expansion and innovation capabilities will be tested

капека



2 Management Policy

"Wellness First" Healthy Management for a Healthier World

Hybrid Management

Human Driven Management

The Dreamology Company
- Make your dreams come true -

Chemistry saves the world.

Reduce environmental impact and prove useful to people's lives

Declaration of KANEKA UNITED

Accelerate "transformation and growth" of hybrid management based on the long-term vision

Management System Transformation

Transformation into a solution provider

Value Creating Company

A passionate "Trial & Error experiment driven company"

Kaneka's Purpose and 3 Value Drivers

Kaneka Tower

Key basic structure of our management model – Its viewpoint and perspective (what is valued)

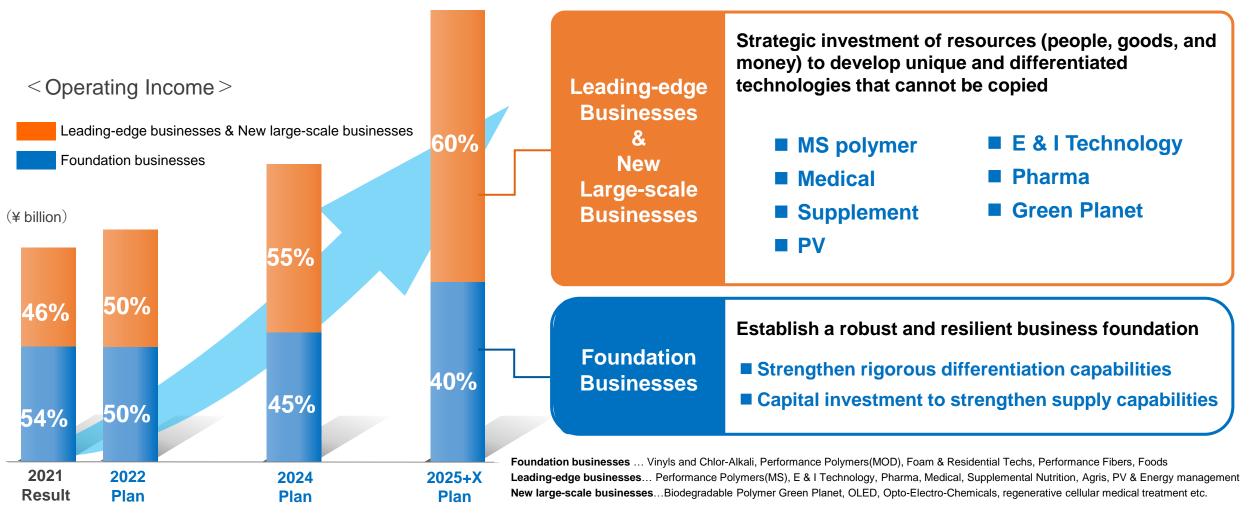
[Purpose] Ability to grow tall [Value²] Kaneka as a "Trial & Error experiment Outward strengths driven company" 1. Advance transculturation from ESG management a global perspective "Wellness First" health management 2. Bring out uniqueness 3. Ask "Are we playing a useful role?" Solution provider that provides [Value^①] solutions by structuring customers Inner strengths needs 1. Diversity 4. A leader who will face challenges Management Broad business domains / Diverse (a person with an edge) Innovation range of technologies / Global corpo-A leader who will influence people rate activities / Diverse workforce A team that will unite to tackle issues 2. Shift from materials to solutions 5. Open innovation 3. Serve as an interface between markets and technology 4. From small to big [Value3] Start small and grow big Market Business Frontline execution Cell division through clustering Born small, Grow Big!! Creation Development 1. Every value is created on the frontline 5. "Kaneka 1-on-1" Think by seeing, hearing, Facilitate personal growth through and touching on the frontemployees' job performance line to make decisions 2. Emphasize Value Communication to link the frontlines together **Operational Excellence**

kaneka

Path to Hybrid Management: Promoting Portfolio Transformation

kaneka

Accelerate "Selection and Concentration" of investments and aim for leading-edge businesses to account for over 60% of income



Kaneka's Vision of the Future

Kaneka becomes a "Wellness First" hybrid company by making 3 strategic fields into business domains.

Environment & Energy Field

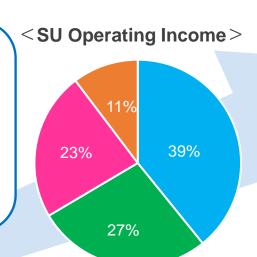
3 Crises of Sustainability

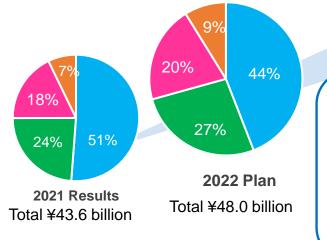
"Crisis of Environment & Energy"

"Crisis of Food"

"Crisis of Wellness"

- Solve environmental pollution problems through the social implementation of Green Planet[™]
- Solar cells: Contribute to a decarbonized society through the implementation of highefficiency solar cells (heterojunction & perovskite)



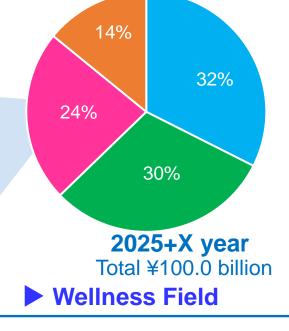


"Food" Field

- Expand the dairy product business, organic and recycling-oriented dairy farming
- Expand supplement materials into the food field (Healthy Foods)
 Contribute to addressing food production issues through market development in the seed business



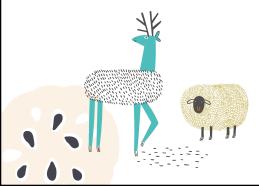




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- Provide high-performance materials to the digital and communications fields
- Contribute to future society through advanced materials and solutions
- Expand biopharmaceuticals
- Provide solutions for infectious diseases
- Global expansion of catheter and blood purification product
- Enhance and globally expand the probiotics lineup in the supplement business, etc.

3 Mid-term Management Plan

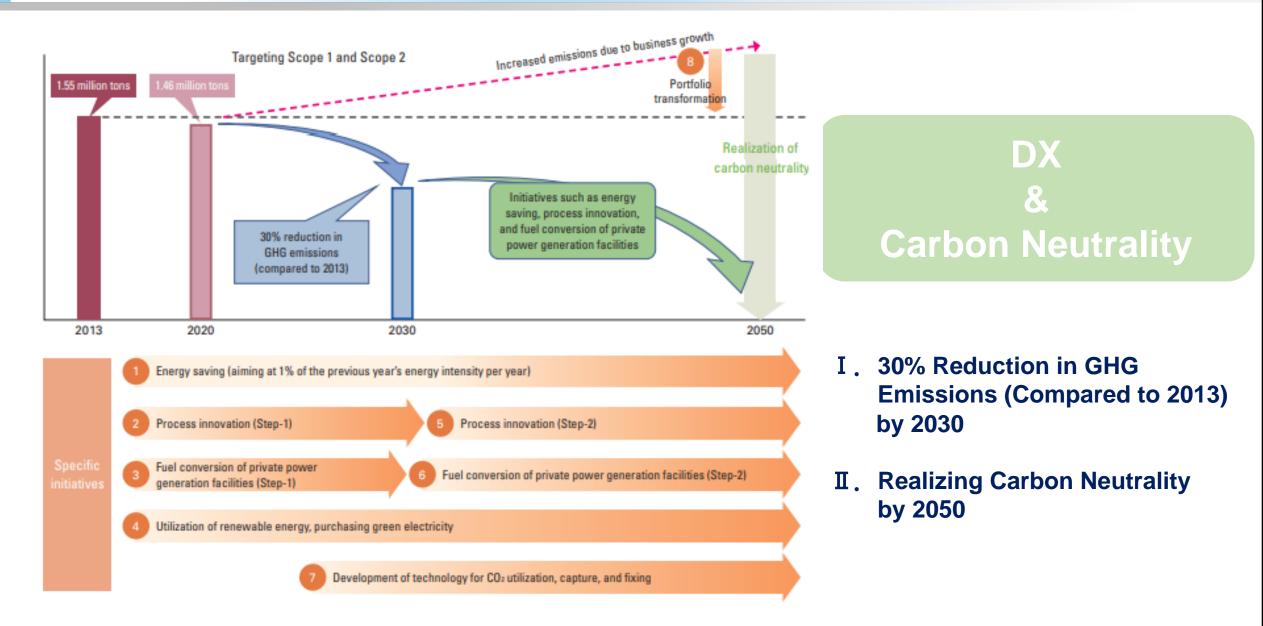


"3+5" Strategic Platform

"3+5" Strategy



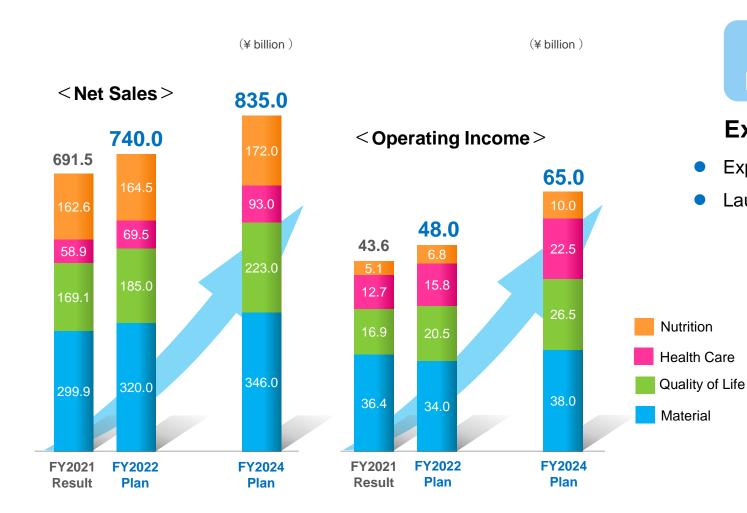
Initiatives for Carbon Neutrality & Digital Transformation (DX) Kaneka



New Mid-term Management Plan (FY2022~2024)

kaneka

New Mid-term Management Plan (As of May 19, 2022)



Improve adaptability to respond promptly to environmental changes

Expand net sales and operating income

- Expand sales proactively and increase production capacity
- Launch new products, shift to high-value-added products

Investment Plan



Based on investment decisions **Investment Plan** (Including M&A) FY2022 - 2024

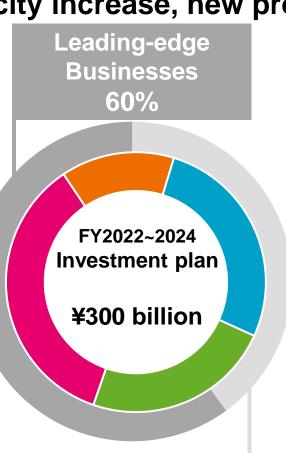
Nutrition

 Construct new dairy product plant Construct new probiotics product plant

Health Care

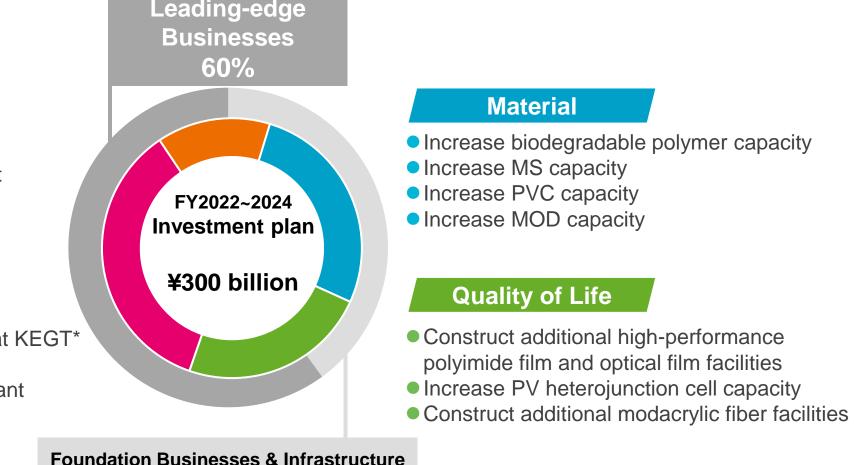
- Increase biopharmaceutical capacity at KEGT*
- Increase API capacity
- Construct blood purification system plant
- Construct new catheter plant

*KEGT=Kaneka Eurogentec S.A.



40%

Invest about 60% in aggressive investment (capacity increase, new products), and over 5% on DX



Earthology Chemical Solution

We bring innovation to lifestyles and the environment by harnessing the unlimited potential of chemical materials to help communities achieve sustainability.



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Earthology Chemical Solution

We bring innovation to lifestyles and the environment by harnessing the unlimited potential of chemical materials to help communities achieve sustainability.



- Provide a wide range of solutions armed with the power of outstanding materials and original service
- Expand business by leveraging breakthrough technologies

[E&I Technology]

- Expand capacity for resins for Pixeo[™] and optical film, develop markets for leading-edge electronic materials

[Foam & Residential Techs]

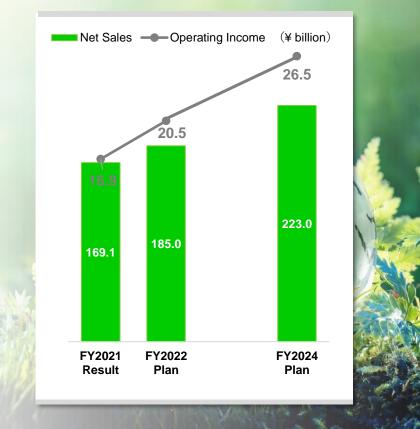
- Develop and provide ultrahigh insulation materials, globally expand sales of polyolefin foam

[PV & Energy Management]

- Strengthen the supply base, reduce costs, incorporate ZEB/ZEH demand, develop the automotive and non-housing fields

[Performance Fibers]

 Capture more demand in the African hair accessory market, strengthen production capacity of modacryl



Active Human Life Solution

By adopting a unified approach to food and medicine that is defined by a focus on chemistry, we provide innovative solutions that empower people to live healthier lives.



- Accelerate R&B, promote use of external resources such as M&A, open innovation
- Provide unique, leading-edge medical solutions to global markets

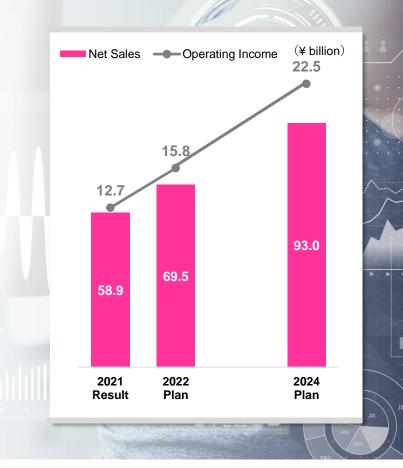
[Medical]

- Expand applications and develop globally for blood purification products, enhance strength of Hokkaido plant
- Develop on full-scale for the U.S. market, develop high-value-added new products and new businesses

[Pharma]

Develop and increase production capacity of innovative technologies in the biopharmaceutical domain,

expand globally in the small molecule pharmaceutical domain



Active Human Life Solution

By adopting a unified approach to food and medicine that is defined by a focus on chemistry, we provide innovative solutions that empower people to live healthier lives.



- Provide solutions that contribute to food diversification, food enrichment, disease prevention, health promotion and production in the agriculture, livestock and fisheries fields
- Strengthen customer contact points and brands by utilizing digital technologies

[Supplement]

- Globally expand probiotics sales, strengthen production of coenzyme products

[Foods]

- Boost scalability of the dairy products business, develop antenna shops and E-commerce
- Accelerate development of Asian markets, utilize digital technologies



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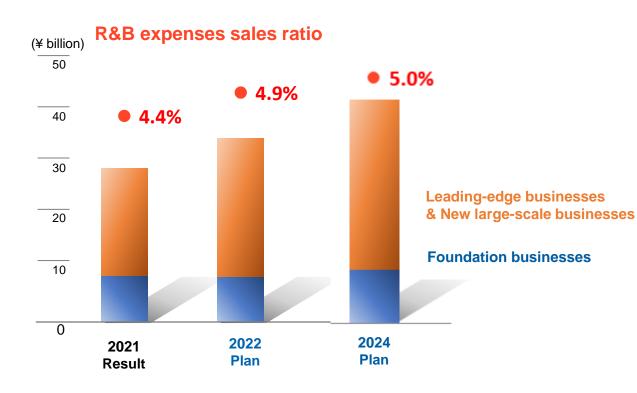
R&B (Research & Business) Strategy

R&B activities generate returns and create a favorable cycle Generate returns through

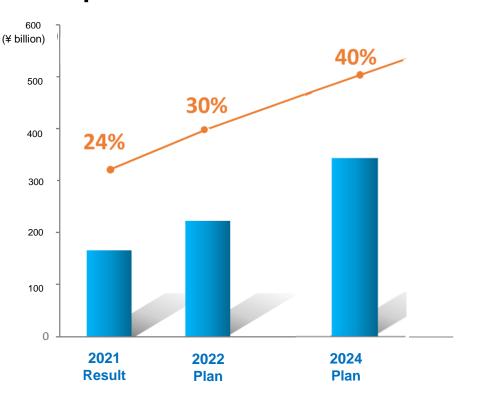
R&B activities and create a favorable cycle that reinvests those returns

- Set basic ratio of R&D expenses to net sales at essentially a level of 5% -



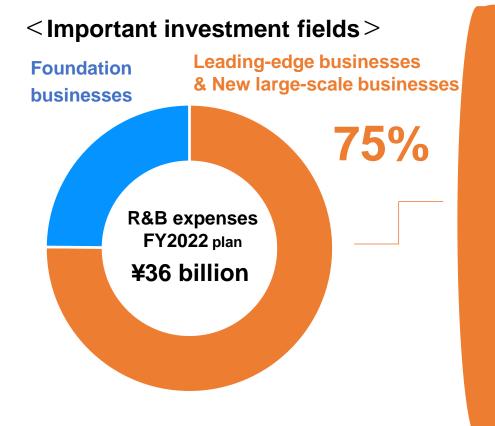


< New product sales >



KANEKA

Concentrate **75%** of invested R&B expenses for fiscal 2022 in important fields

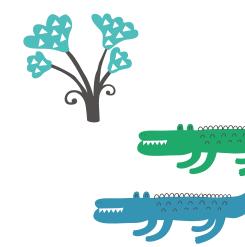


<Important themes> Focus on social implementation and output KANEKA Biodegradable Polymer Green Planet[™] Photovoltaic modules (heterojunction, BIPV, in-vehicle PV), Batteries Optoelectronics, biologics, Functional food (QH) and probiotics, Agricultural biology

< Themes for new challenges and enhancements >

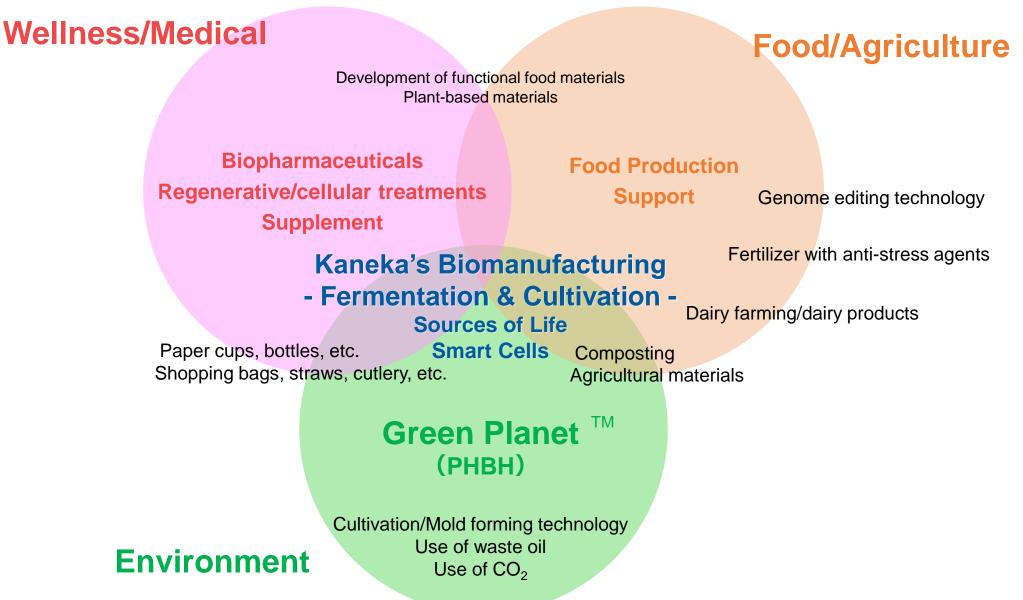
Revolutionizing carbon neutral technology, biodegradable modifires Perovskite solar cells, Ultra-low dissipation factor material for 5G New Drug Delivery System(DDS)/ pharmaceuticals, Plant proteins

4 Make it Real !

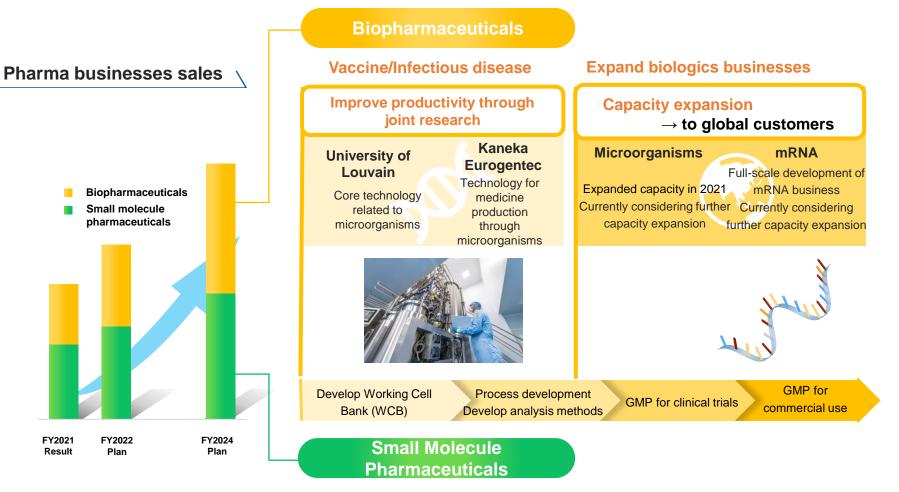


Biomanufacturing that contributes to 3 Strategic Fields





Biopharmaceuticals



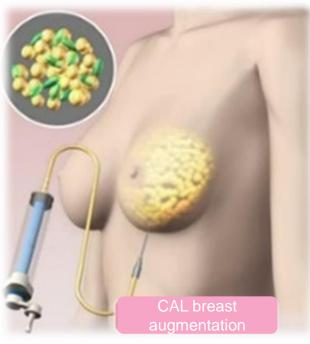
 Expand small molecule CDMO (contract development and manufacturing) business by enhancing the market development structure and deepening relationships with pharmaceutical customers in Japan and overseas

Increase production capacity though proactive capital investment

Make regenerative and cellular treatments become a standard treatment **Biomaster, Inc.**

Rich experience with tissue picking /cultivation, washing/collection, and storage/transportation

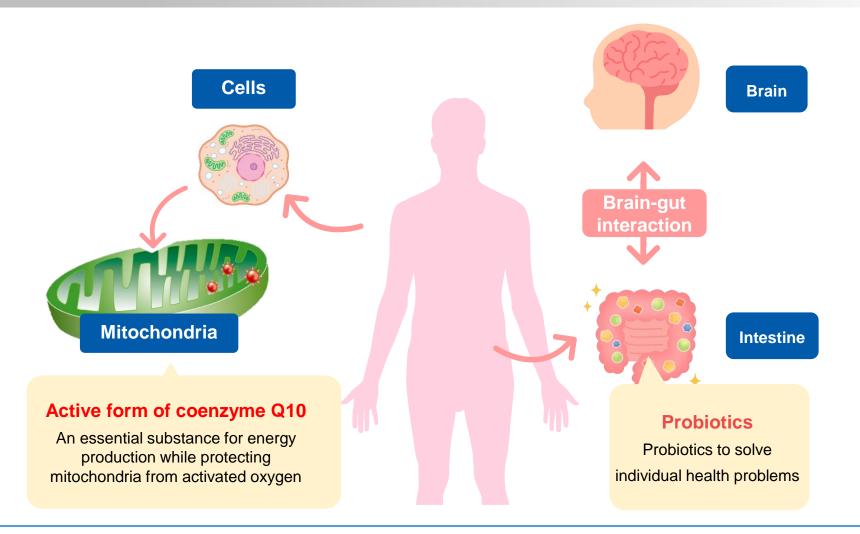
Cosmetic surgery field (breast reconstruction)



Orthopedic surgery field (knee osteoarthritis, etc.)



Wellness Solution by Supplement



[Social background and consumer needs]

Increasing health awareness

Dietary culture of the new generation

Probiotics for Boosting Immunity

- Purchased Spanish company AB-Biotics, S.A. in 2018
- Provide probiotics products that have clear effects in humans
- Develop new products from proprietary probiotics bank derived from humans



AB-Biotics, S.A.

- A company focused on probiotics founded in 2004 in Barcelona, Spain
- Applied by world's leading companies including Sanofi and Mylan
- Develop globally with many customers
- Possess strains that have demonstrated many unique effects in clinical trials
- Applied for over 200 patents thus far

| AB-LuFE Northern | AB-LIFE Probiotics that are reported to reduce cholesterol | L. plantarum CECT 7527 L. plantarum CECT 7528 L. plantarum CECT 7529 |
|----------------------|---|---|
| AB-IMMUNO Manager | AB-IMMUNO Probiotics that are reported to support the health of elderly people | <i>L. plantarum</i> CECT 7315 <i>L. plantarum</i> CECT 7316 |
| CE:Dentalac'gum | AB:Dentalac gum Probiotics that are reported to improve the oral environment | L. plantarum CECT 7481 L. brevis CECT 7480 P. acidilactici CECT 8633 |
| 13.1 | i3.1 Probiotics that are reported to improve the quality of life for patients with IBS | L. plantarum CECT 7484 L. plantarum CECT 7485 P. acidilactici CECT 7483 |
| | AB-KOLICARE Probiotics that are reported to treat the infant colic | P. pentosaceus CECT 8330 B. longum CECT 7894 |

Medical 'Offer a solution of extend Healthy Life Expectancy' Kaneka

Investment: ¥10 billion

Start of operation: June 2024

Will supply products throughout the world from the Tomatoh district of Hokkaido

New construction of a blood purification device's plant

Blood purification system Liposorber

Global expansion



Device for treating severe arteriosclerosis obliterans Rheocarna



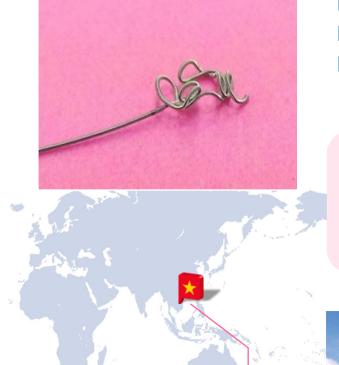
Rheocarna

KANPKA

Highly effective at treating severe arteriosclerosis obliterans Sales expanded due to high evaluations from medical frontlines

A pioneer of medical solutions that treat diseases by removing disease-causing agents in blood Leading the world in blood purification treatment

Medical 'Offer a solution to extend Healthy Life Expectancy' Kaneka

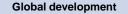


Enhance Vietnamese plant for catheter production

Investment: ¥1 billion Start of operation: May 2022 ED COIL (coils for embolization of brain aneurysms) Development of the overseas medical device market Expand sales globally

Develop products that will make it possible to address blood vessels in various organs through macromolecular material technology and processing technology Lead intravascular treatment solutions







Embolization of brain aneurysms i-ED coil



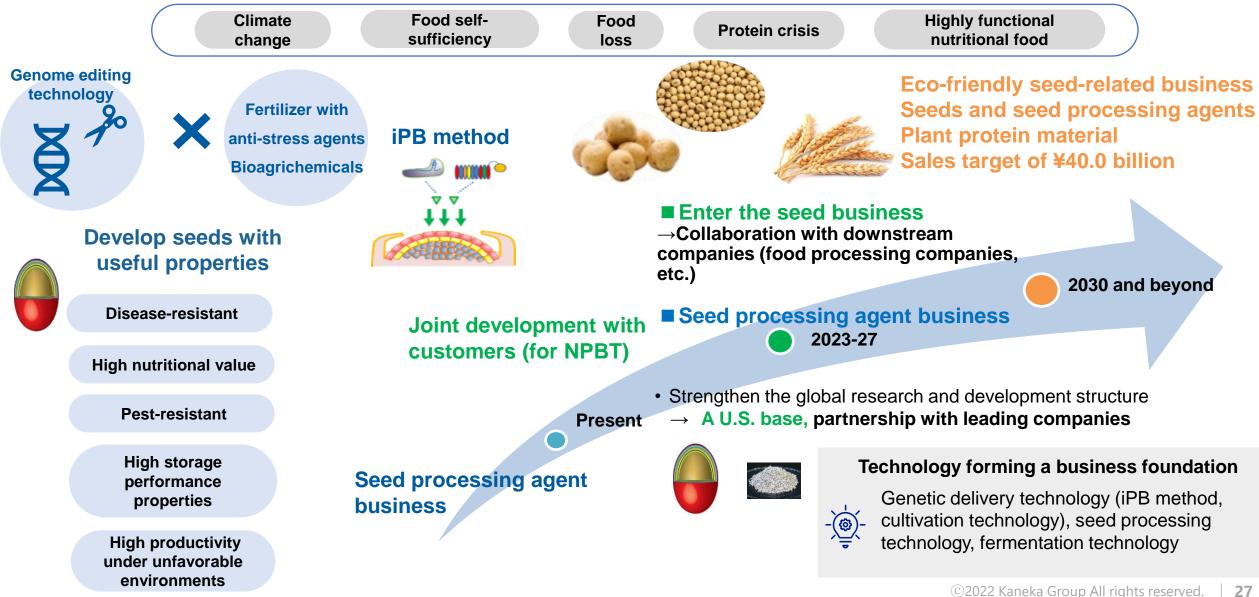


s Fractional flow reserve measurement device Coronary FFR wire

Launch new products in catheters and the blood purification business, and increase results through global development

Food Production Support

Solving the social issues of food production



Healthy Foods Strategic Unit

- Dairy products business contributing to health **ODevelopment of Belgium and the Netherland's** advanced organic dairy farming technology
 - · Scheduled to acquire organic certification
 - in December 2022



OA unique product lineup

- Improving the intestinal environment through taste & probiotics **Belgian yogurt**
- Acquire functional claims



Q10 yogurt

New cattle barn





To the new supplement brand holders

- OCreate a market in Japan for AB-Biotics SA's functional probiotics
 - Increased global capital investment
 - · Create a market in Japan for AB-Biotics SA's functional probiotics





OCreate a new market for active form of coenzyme Q10

Establish visualization technology

- Ensure food stability
- Technology to visualize blood concentration









Healthy Foods Strategic Unit



Entry into the plant-based food market

- O Development of plant-based meat (acquire protein sources through biotechnology)
- Soybean protein: Productivity through genome editing technology Development of soybeans with no beany smell
- Acquire new protein sources
 - : Protein production through yeast and microorganisms
 - : Protein production through yeast and microorganisms



O Added taste through unique technology

- Fat modification technology
- · Seasoning blending technology
- Emulsification and fermentation technology
- Protein enhancement processing technology







Establishment of a digital business model

O Expansion of customer services utilizing IT technology

- Develop an informational campaign by making full use of direct mail and social media
- Develop an informational campaign by making full use of direct mail and social media



- O Expand the E-commerce business (merchandise sales) through websites
 - · KANEKA's technology, transmission of product information/sales
 - · Expand KANEKA's online store



Establish antenna shops for food

Green Planet 'Turning Dreams into Reality'





- 100% plant-derived polymers (biomass polymers)
- Superior biodegradability (in soil and in seawater)
- The only biomass material that biodegrades in seawater and in soil
- A wide variety of physical properties that allows it to replace generalpurpose plastics

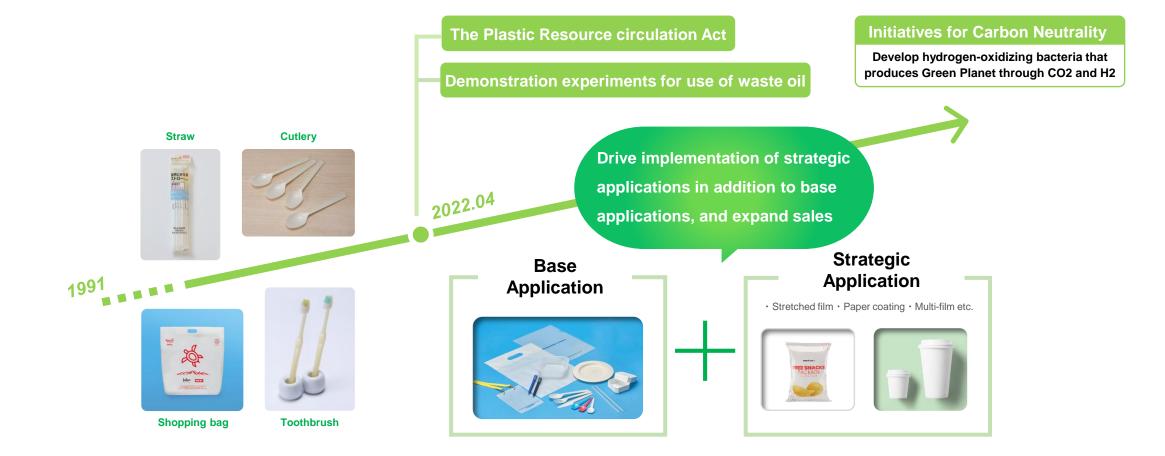
| | Ocean Decomposition | Soil/Compost Decomposition | Non- biodegradab le |
|---|------------------------|--|--|
| Biomass (Renewable raw materials) | Green Planet (PHBH) | Green Planet (PHBH) PLA Bio-PBS | Bio-PE Bio-PP Bio-PA Bio-PC Bio-PET |
| Petroleum- derived raw materials | PCL | PBSA PBAT PBS | (General- purpose plastics) PE, PP, PA PC, PET |

A miraculous polymer Green Planet ${}^{\mathsf{T}\mathsf{M}}$



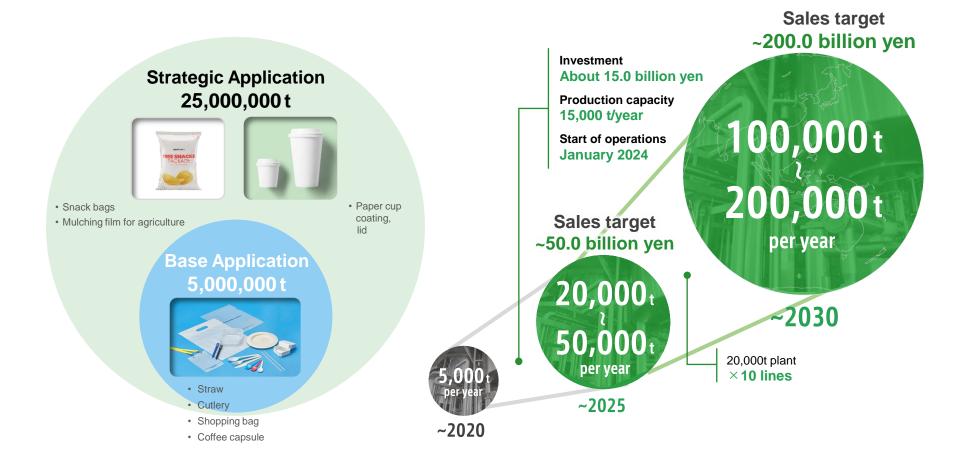
Green Planet 'Turning Dreams into Reality'





Green Planet 'Turning Dreams into Reality'





High-performance Photovoltaic Modules Advancing Implementation of Unified with Building Material types & In-Vehicle PV

Unified with Building Material

- Also functions as a building component
- Can be set in many directions, and contributes to peak power reduction
- Also reduces power transmission load through self- consumption

New construction projects with major general contractors underway



provided by Taisei Corporation

In-Vehicle PV

 Demands for designs of modules to be loaded into vehicles and for high cell performance cells are increasing toward vehicle decarbonization

Development of production technology to implement massproduction of vehicles

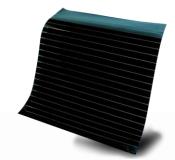


provided by Toyota Motor Corporation



Solar roof (prototype) heterojunction back-contact crystalline silicon solar cell

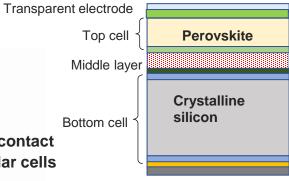
High-performance solar cells accelerating the implementation of "perovskite solar cells"



Ultra-thin perovskite solar cells using in-house developed polyimide substrate with a thickness of approx. 10µ

25.1%

Development of perovskite/heterojunction crystalline silicon tandem solar cells



Heterojunction back-contact crystalline silicon solar cells

Heterojunction back-contact crystalline silicon solar cells

Thin film silicon tandem solar cells



13.4%





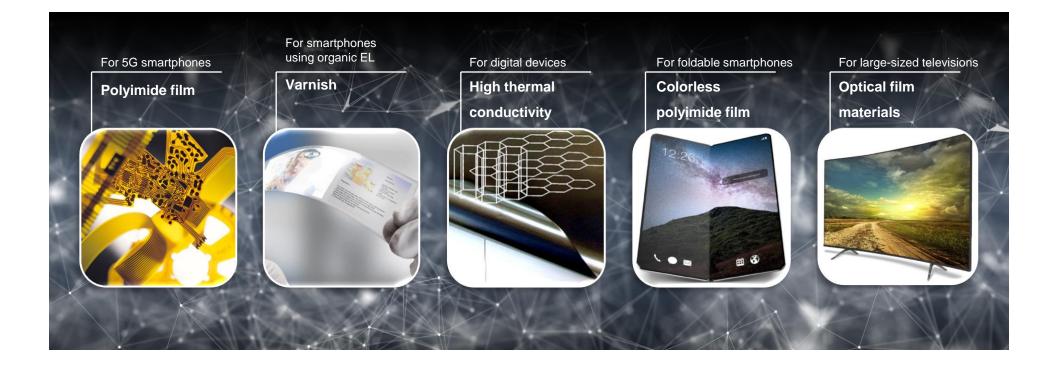
<World's highest solar cell conversion efficiency>

Combine the technologies of perovskite solar cells and crystalline silicon tandem solar cells to develop technology that achieves the highest efficiency in the world

>30%

E & I Provide High-performance Materials to Support Digital Technology & High-speed Communications





- Polyimide film compatible with 5G
- Launch of polyimide film as a substitute for glass
- Entry into optical materials for CMOS sensors
- Enhance performance and increase capacity of acrylic film for optics

