

# Five Macrotrends and Target Fields

The Kuraray Group considers the products, technologies, and services we offer in light of macrotrends—improvement of the global environment, food and water security, digitalization and high-speed communications, effective utilization of energy, and higher quality of life (QOL)—thereby clarifying social issues needing to be addressed and setting target fields to address them.

We have core capabilities in each of these areas. By channeling management resources into businesses and products related to these areas, and by exploring strategic acquisitions and corporate alliances, we will work to grow existing businesses and generate new businesses.



## Improvement of the global environment

### Environmental load reduction

#### Air and water purification

- Adsorption, filtering

#### Reduce microplastics

- 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 Enhanced Oil Recovery (EOR)
- Polymer synthesized from CO<sub>2</sub>

#### Reduce GHG emissions

- Promote the use of bio-based materials
- Contribute to weight reductions
- Conversion to alternative fuels, higher efficiency



## Food and water security

### Food loss reduction

- Prolongation of shelf life

### Improve agricultural productivity

- Materials for insect prevention and seed coating

### Safe water supply

- Removal of PFAS, organic fluorine compounds



## Digitalization, high-speed communications

### Electric and electronic device materials

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

### High-speed telecommunications 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)



## Calls for higher quality of life (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.)

