Against a background of issues including climate change and marine plastics, the importance of transitioning to a decarbonized society and of reducing environmental impacts is growing day by day. Contributing to the achievement of a decarbonized society while steadily supplying the petroleum products and chemical materials indispensable to society and people’s lives is our Group’s most important theme. In the fields of energy and materials, we aim to be a Group that contributes to addressing societal challenges through the conception and execution of businesses that generate environmental and societal value in addition to economic value.

Our Vision

Osamu Takeuchi
Executive Vice President
Group CEO
Petroleum & Chemicals Solution Group

Group Strengths and Strategy

- Broad customer portfolio, industry presence, and market intelligence gained through trading and manufacturing businesses
- Concept skills and execution skills for next-generation fuels and environmentally conscious chemical materials businesses (product recycling, bio-related, and carbon recycling), aimed at creating a decarbonized society
- Capability to construct a fuel ammonia business based on a long track record in electric power fuel supply and operational experience in the ammonia production business

We position the issues of adapting to next-generation energy (EX: energy transformation) and converting to lower-environmental-impact chemical materials that have equal functionality and that can be supplied as stably as existing products (MX: material transformation) as top-priority themes for our Group in the industries in which we operate. We have already started businesses in fuel ammonia, carbon recycling, bio-related, and product recycling. By strengthening and converting our core businesses, we will work toward quantitative and qualitative improvement of revenues and asset efficiency.

We will engage in a two-pronged strategy: “Reduce the environmental impact of existing operations while fulfilling our supply responsibilities and generating stable earnings” and “Present realistic, scaled solutions to the world in the areas of energy and materials to solve the challenges of decarbonization.” In order to provide decarbonization solutions that meet customer needs, we will consider participating in EX/MX manufacturing businesses with a sense of scale and economic viability.

We will prioritize the following themes by formulating EX/MX projects: 1) Fuel ammonia: Establishing a low-carbon ammonia supply chain for power generation and expanding to other applications and industries. 2) Carbon recycled fuel and material business: Recycling CO2 into a variety of carbon compounds. 3) Biofuels and materials business: Sustainable Bio-chemical business. 4) Product recycling business: Recycling of plastics in a way that contributes to a low-carbon, circular economy.

Major Growth Drivers

We will provide a stable supply of fuels and materials for which demand is strong, while implementing solutions that contribute to the realization of a decarbonized society.

1. World-wide demand for PE/MEG

2. World-wide demand for methanol

3. World-wide demand for ammonia

Business Examples

In order to contribute to the decarbonization of fuels and materials, we will accelerate our efforts with a sense of scale and economic competitiveness based on the following four priority themes.

- Natural gas
- Renewable energy
- Carbon recycled fuel and materials
- Carbon dioxide and DAC
- Bio-fuel and materials
- Bio-fuel and materials
- Resource plastics
- Recycling of products
- Strengthen PET chemical recycling business

- Far right
- Downstream
- Priority Themes
- MI

- Fuel ammonia
- Build a low-carbon ammonia supply chain for power generation
- Carbon recycled fuel and materials
- Consider participation in the SAF production business
- Bio-fuel and materials
- Consider participation in the bio-ethylene derivatives production business in Japan
- Recycling of products
- Strengthen PET chemical recycling business

- MI

- Natural gas

- Renewable energy

- Carbon recycled fuel and materials

- Carbon dioxide and DAC

- Bio-fuel and materials

- Bio-fuel and materials

- Resource plastics

- Recycling of products

- Strengthen PET chemical recycling business

- MI