

- 3 Chapter 1 Our Vision
- 4 Message from the President
- 9 Group Concept
- 11 Value Creation Model
 - Approach to Realize KAITEKI
 - 13 Science
 - 15 Value
 - 18 Life**
- 20 Activity Report for Fiscal 2022
- 22 Chapter 2 Sustainable Growth Strategy
- 56 Chapter 3 Strengthening ESG Activities
- 95 Chapter 4 Financial/Non-Financial Information



Approach to Realize KAITEKI
Science. Value. Life.

**Our aim is to contribute to Life.
For people, society, and the whole of the planet**

We regard addressing environmental and social issues as an essential management theme, and this is why we practice Management of Sustainability (MOS). We will progressively help realize a circular economy in a way that achieves a balance between economic growth and environmental protection. Among our initiatives are utilizing renewable energy and applying life cycle assessment to develop products of low environmental impact. We are also pursuing sustainability by addressing social issues such as building sustainable supply chains, respecting human rights, and promoting diversity and inclusion.

[Implementing Sustainability ▶Page 58](#) [Progress toward Carbon Neutrality and a Circular Economy ▶Page 64](#) [Human Resources Strategy ▶Page 67](#) [Building Sustainable Supply Chains ▶Page 72](#)

[Return to the previously viewed page](#)



New treatment option for ALS patients [▶Page 40](#)



HyCO plants for hydrogen [▶Page 39](#)

Lithium-Ion Battery Electrolyte



Science. Value. Life
Reducing the environmental impact and contributing to a smart society by boosting EV performance

An electrolyte we developed that helps lessen energy loss is expected to establish an increasingly important profile going forward, as a product that contributes to environmental impact reduction. By promoting the widespread use of EVs and HEVs, it will also contribute to reducing emissions of CO₂ and other exhaust gases.

Our electrolyte is also highly compatible with the Mobility as a Service (MaaS) field that aims to realize low cost and high performance in new mobility services known as Green Slow Mobility. As it is also likely to be well suited to use in storage batteries for smart grids, it shows promise as a product that will contribute to realizing a smart society.

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Leveraging our sustainability initiatives and contributions to achieve further Group growth

To address pressing environmental issues, the Mitsubishi Chemical Group will progress measures to reduce greenhouse gas (GHG) emissions, expand the range of low environmental impact products, and implement systems to manage waste and water resources. Through these and related initiatives, we will achieve carbon neutrality by 2050.

For example, Mitsubishi Chemical Corporation (MCC) has accelerated initiatives focusing on plastic recycling. We are developing products with a wide range of properties and working with stakeholders as part of efforts to put in place a circular system. At the same time as helping to grow our business, these efforts will help people lead more comfortable and secure lives and contribute to the global environment.


Toward carbon neutrality

We have achieved major advances in reducing GHG emissions, for instance by switching to green electric power and taking other measures for the proactive utilization of renewable energy at our business sites in Europe and the United States. We are engaged in a wide range of other initiatives to realize a recycling-oriented society in collaboration with the chemical industry, academia, local communities, and various other partners.


[Reporting in Line with the TCFD Recommendations ▶Page 62](#)

[Progress toward Carbon Neutrality and a Circular Economy ▶Page 64](#)

MCC's efforts in plastic recycling




Plastic Recycling

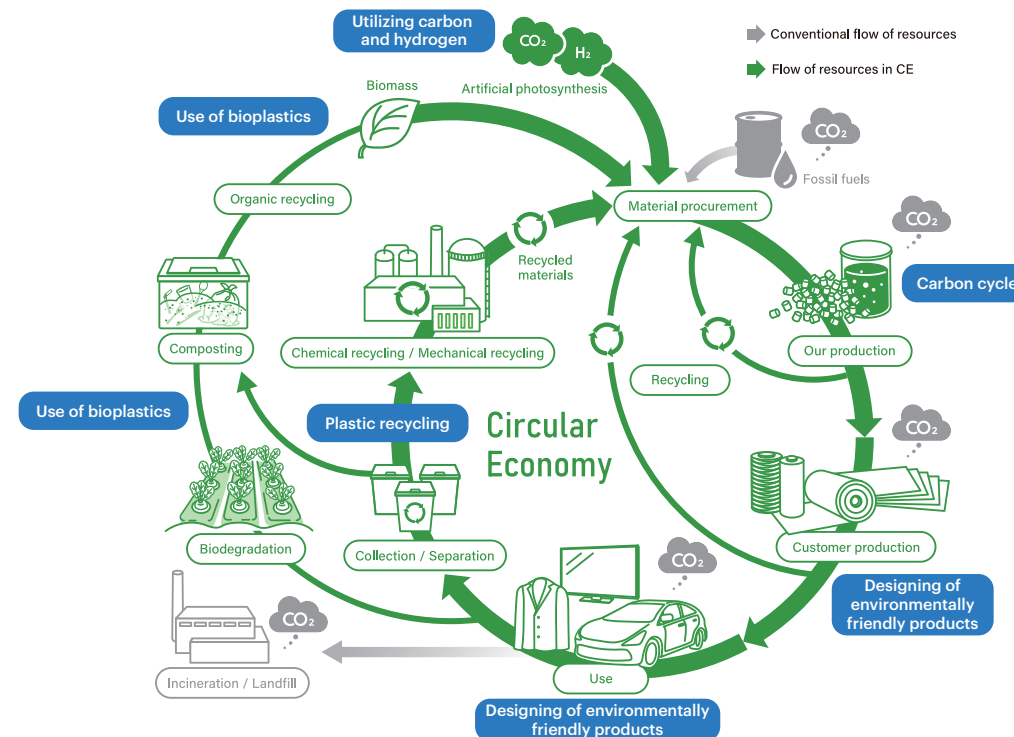



Use of Bioplastics

- Biomass as raw material
- Biodegradation



Utilizing Carbon and Hydrogen





Use of LCA

Strengthen products and services that contribute to reducing environmental impact throughout the value chain

[LCA case study ▶Page 60](#)



Open Innovation, Collaboration with Stakeholders

AEPW, ICCA, VBA, WEF-LCET, GCNJ, CGC, CLOMA, J4CE, Carbon Recycling Fund Institute, and others

[Progress toward Carbon Neutrality and a Circular Economy ▶Page 64](#)