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Mitsubishi Chemical's Approaches to Sustainability & Plastic Recycling

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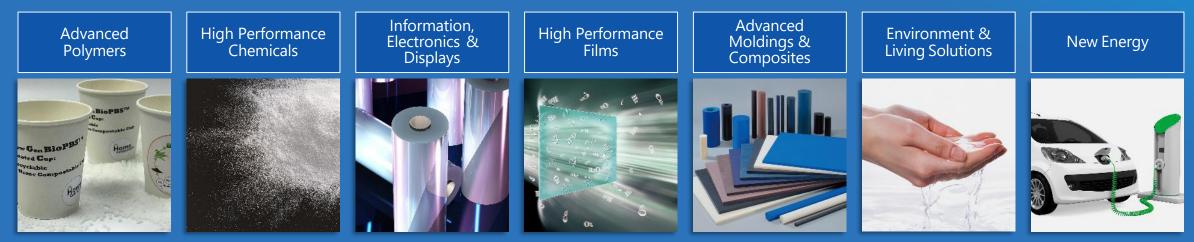
(kanazawa.daisuke.ma@m-chemical.co.jp)

Mitsubishi Chemical's Business Field



Industrial Materials Carbon Chemicals Carbon MMA

Performance Products



Our Focus Markets and Solutions



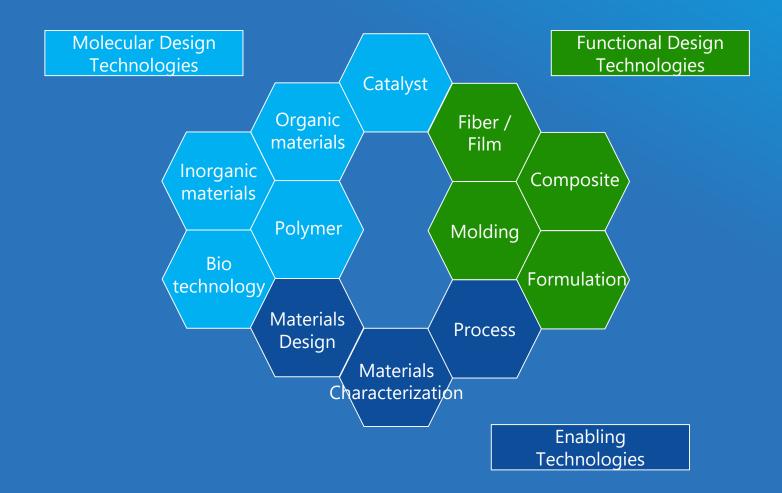


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Technology Platforms



We continue to build upon our core technologies to create new solutions for the evolving needs for customers.



Technology Platforms Related to Focus Markets





Mitsubishi Chemical's Approach to Sustainability



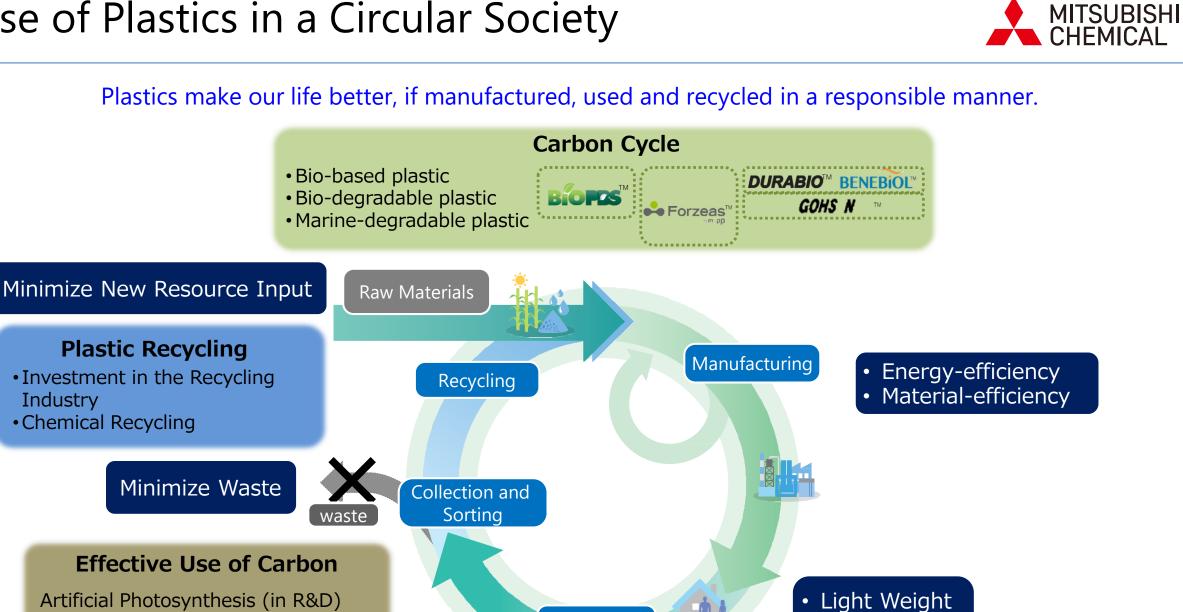
2007 Set the criteria for business activities: Sustainability, Health, Comfort

2011 Start of **KAITEKI** management:

- Maximize total corporate value through the three axes of MOE, MOT and MOS.
- Along with economics that emphasizes capital efficiency, we view sustainability as part of our corporate value.



Use of Plastics in a Circular Society



Use

Artificial Photosynthesis (in R&D) $(CO_2 + H_2O + Sun Light \Rightarrow Plastic)$

Industry

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• Gas Barrier

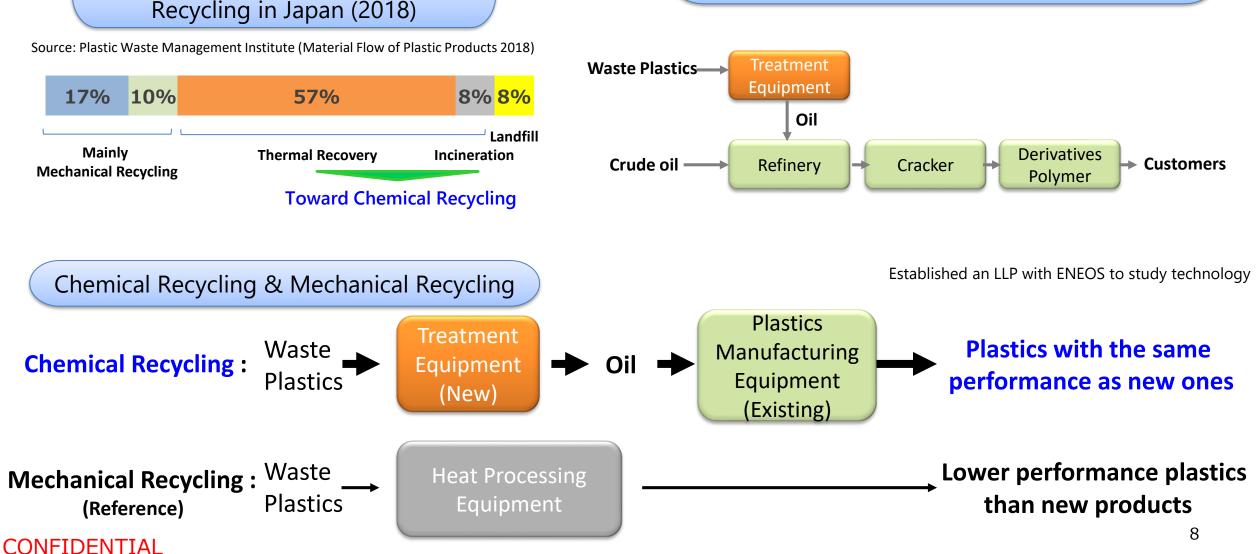
• Long Use Life

Chemical Recycling

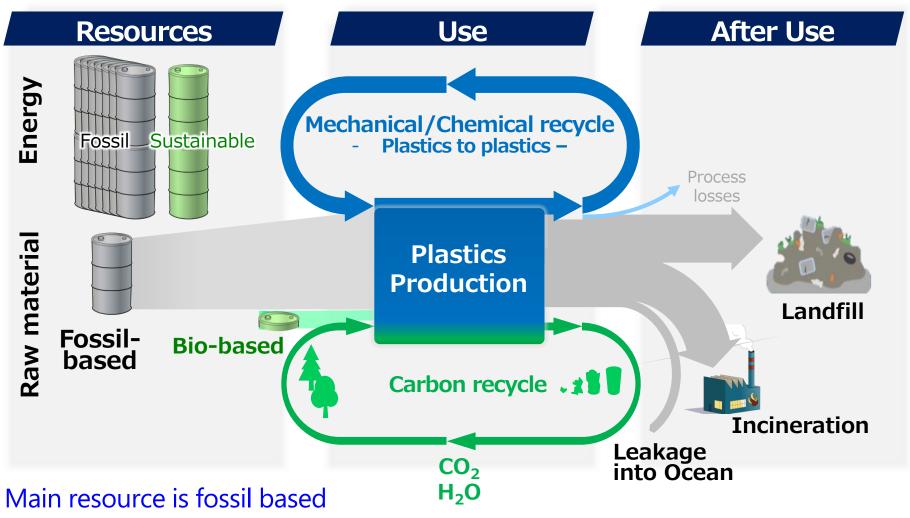


Image of a Value Chain with Chemical Recycling

Percentage of Waste Plastics Recycling in Japan (2018)







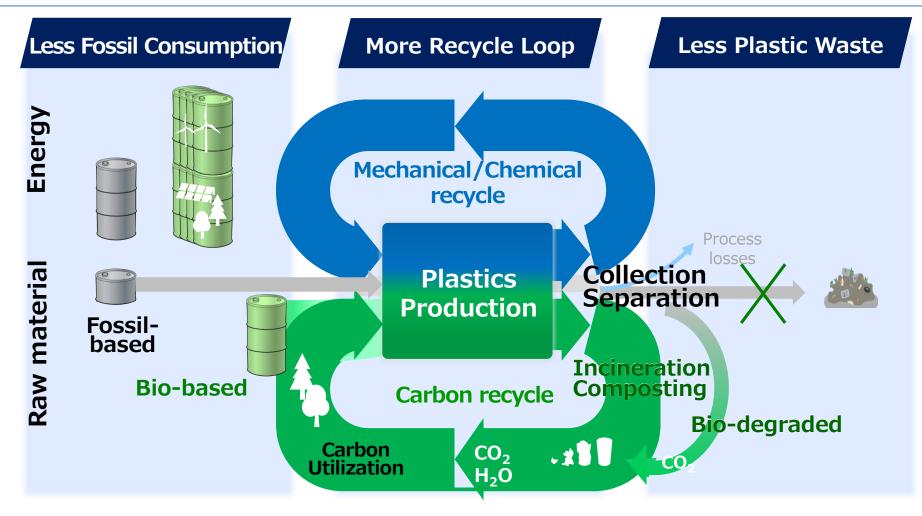
• Little is recycled

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Plastics Flow of the Future





- Minimized fossil resource usage (Energy & Raw material)
- Minimized waste

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