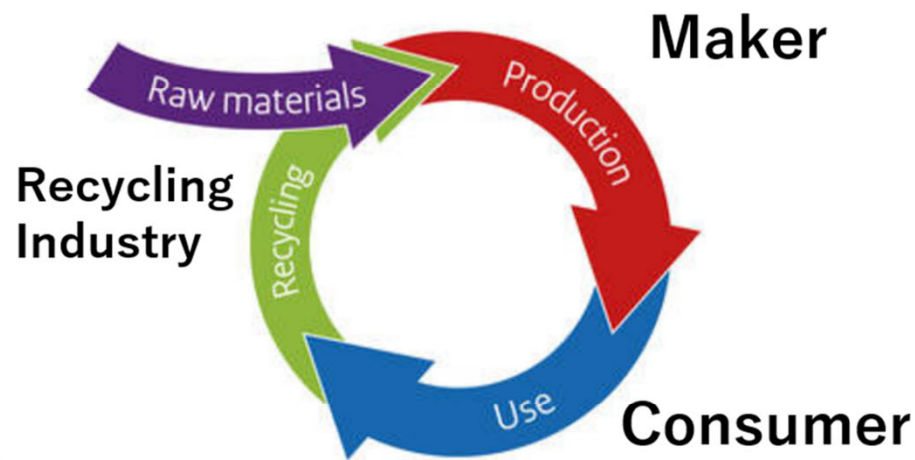


JAPAN pavilion

Industrial waste treatment emitting less GHG emissions, and recycled fuel saving fossil fuels



The industrial waste treatment / recycling industry contributes to realize the Circular Economy and to the environment creation



The Image of Circular Economy*

GHG reduction

Fossil fuel-free

Recycling-oriented society

* [A Circular Economy in the Netherlands by 2050-Government-wide Program for a Circular Economy] (2016)

We contribute to reduce GHG emissions and fossil fuel consumption through recycling industrial waste

Recycling

Recycling of industrial waste with low GHG emissions



Waste oil

Recycling



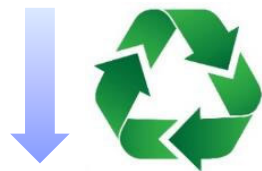
Recycled fuel

Effect



Incineration

Reduce
97%
GHG
emissions



Recycling

Daiseki

Alternative

Reducing fossil fuel consumption with recycled fuel



Consume heavy oil and coal

Use of recycled fuel



Recycled fuel

Effect

No fossil fuel consumption

Reduction of GHG emissions and building a Recycling-Oriented Society through industrial waste recycling

1. Reduction of GHG emissions

Production of Recycled Fuel from Waste Solvent



Waste Solvent



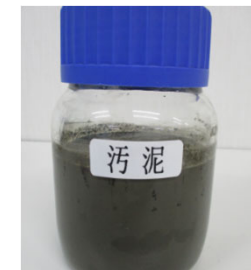
Recycled Fuel Processing Facility



Recycled Fuel

2. Building Recycling-Oriented Society

Production of cement raw materials from sludge



Sludge

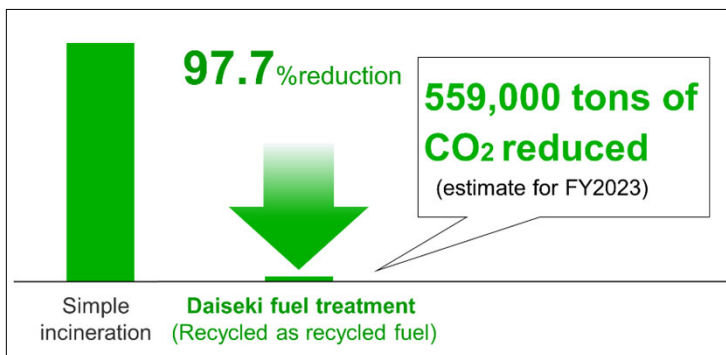


Drying Facility



Cement Raw Material

Cement Raw Material Shipping
638,000t*
 (FY2023)
 Equivalent to about 22.2% of the sludge used as cement raw material in Japan.
 ※This is the shipment volume of the Daiseki Group.



The effect of GHG reduction through recycling*

※Comparison of GHG emissions between simple incineration and recycling of waste solvents, etc.



Promotion of circular economy and Building a Recycling-Oriented Society through Industrial Waste Recycling

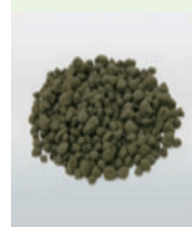
1. The amount of fossil fuel consumption reduction by substituting to recycled fuel

	Shipment (FY2023)	Equivalent (calorific value)
Recycled heavy Oil	47,000kL	Heavy oil A 39,000kL
Supplemental fuel	197,000t	Coal 130,000t*

*This is a converted value calculated based on the product standards required for each customer.

2. The amount of recycled resources shipped by Daiseki Group in FY2023

Recycled resources	FY2023 output amount	Alternative natural resources
Raw materials for cement	638,000 tons	Limestone
Recycled fuels (recycled heavy oil/supplemental fuel)	239,000 tons	Heavy oil, coal
Usable metals, etc.	9,000 tons	Metal resources, agents, etc.
Recycled lead	12,000 tons	Lead
Raw materials for plasterboard	96,000 tons	Plaster



Raw materials for cement



Recycled fuels



Usable metals, etc.



Recycled lead



Raw materials for plasterboard

