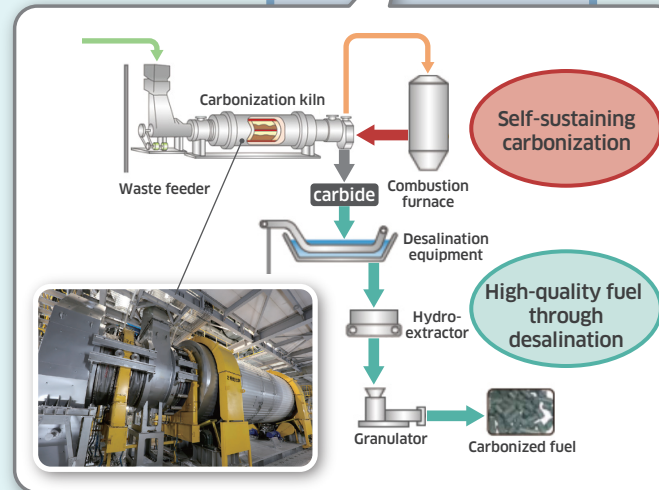
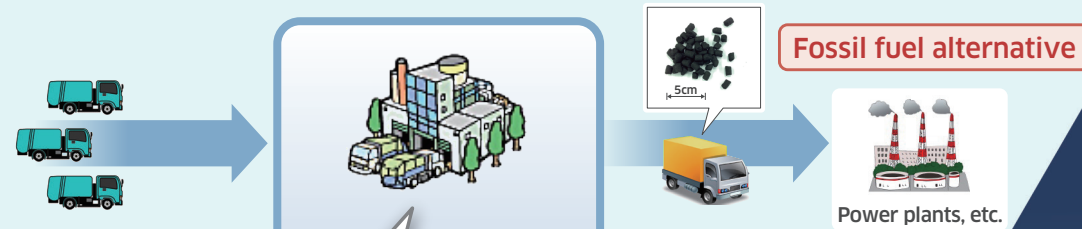
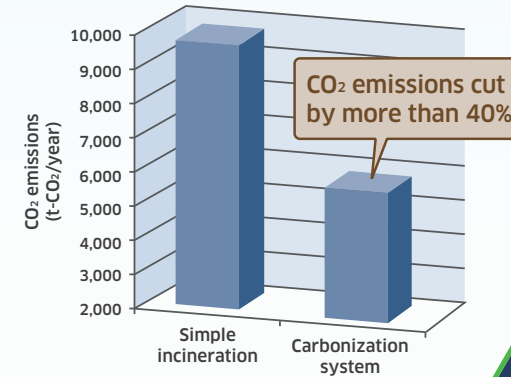


Waste Carbonization System

Carbonizes municipal waste to produce a fossil fuel alternative for use in power generation

This system recovers unutilized energy from municipal waste by carbonizing said waste to produce fuel, a process that reduces CO₂ emissions by more than 40% compared with simple incineration. By applying a high-performance desalination process to prevent metal corrosion, the system produces a high-quality carbonized fuel that can be used in electricity generation, a first in Japan.

Annual CO₂ Emissions
Assuming 50 tons of Waste Processed per Day



Product Description

A system that treats municipal waste and sludge to produce carbonized fuel that can be used at power generation facilities

Features

- Reduces the need for supplementary fuel by utilizing pyrolytic gas generated during waste carbonization
- Utilizes a cylindrical carbonization kiln divided into four quadrants to save space



Initial registration: 2019