

FS on energy recovery from waste management (2022)

Project name : Waste-to-Energy Project in the City of Manila

1. FS implementation company

(Project developer)

Hitachi Zosen Corporation (Hitz)

(Partner Companies/Association)

EX Research Institute Ltd.

2. Country and Waste types

(Year for FS implementation)

FY 2022

(Country)

Philippines

(Waste types)

Municipal Solid Waste

3. Planned project outline

(Technology)

Stoker Type Waste-to-Energy Technology (Hitz)

(Project description)

Design, Construction and 25 years Operation of a WtE facility.
(600 ton/day x 2 lines, Power Generation: approx. 20 MW)

(Project implementation formation)

An SPC jointly established by Hitz and a local landfill owner will conclude a concession agreement indirectly with the city of Manila and implement the project.

(Impact of reducing environmental burden)

- Improving the sanitary environment around the landfill site through incineration of waste
- Extending the life of existing landfill site by reducing the volume of waste.
- Greenhouse gas emission reduction effect : 4,702,544 t-CO₂/25years

(General picture of this project)

