

FS on energy recovery from waste management (2021)

Project name : Recycled Plastic Logistics Pallet Business in Singapore

1.FS implementation company

(Project Development)

JFE Engineering Corporation

(Partner)

JFE Engineering (S) Pte Ltd

2. Country and Waste types

(Year for FS implementation)

FY2021

(Country)

Republic of Singapore

(Waste types)

Waste Plastic

3.Planned project outline

(Technology)

Waste Plastic Separation Machinery, Plastic Injection Molding Machinery

(Project description)

The proposed business will produce pallets from recycled plastic waste. 3,000 metric tons of plastic waste will be used as raw materials every year, and processed using injection molding machinery. The increase in recycled plastic consumption will encourage the growth of the local recycling industry, and help develop a circular economy in Singapore.

(Project implementation formation)

JFE Engineering and its group companies will develop and implement this project with a local partner.

(Impact of reducing environmental burden)

- Increase in recycling rate of plastic waste in Singapore (approx. 0.5%)
- Reduce oil consumption by replacing virgin plastic pallets, and reduce CO2 emissions (10,801 t/year)
- Local production of pallets will remove the environmental impact of importing pallets from overseas

(General picture of this project)

