Community-based Sound Material Cycle Waste-to-Power Project in Industrial Parks and Surrounding Areas in the Philippines

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MOEJ: FY 2014 Project on the Overseas Business Development of Material-Cycle Industries in Japan (July 2014~) ㊾

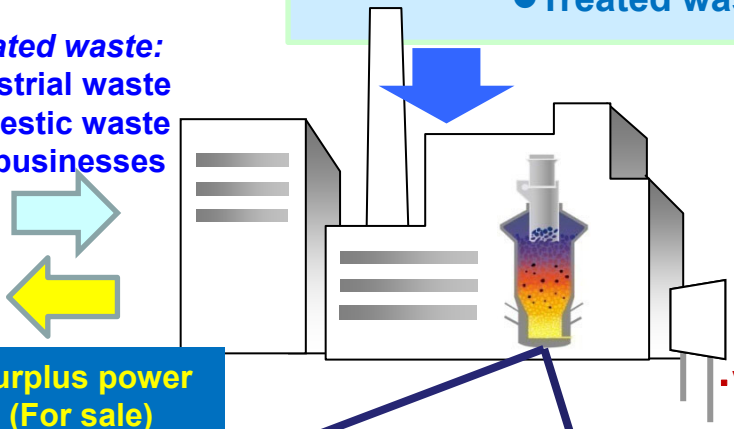
Study on the potential to create businesses that can carry out the combined treatment of industrial and business waste that is discharged from industrial parks located in the provinces of Laguna and Batangas between the Manila and Batangas area, and produce power from waste, recover resources through material recycling, and safely process waste that is difficult to treat.

Municipal waste in provinces of Laguna and Batangas

●**Treated waste: Municipal waste**

Industrial parks

●***Treated waste:***
Industrial waste
Domestic waste
from businesses



Surplus power (For sale)

Minimize amount of waste sent to final disposal site (Extend life of final disposal site)

●***Technologies & scale***
・Vitrification technologies to produce gas in shaft furnace: 250t/day
・MBT: 100t/day X 2 furnaces


Metal


Iron industry


Counterweight

Metal recycling


Slag


Asphalt paving


Marine block

Slag recycling