



Global Warming Phenomenon

CO2 reduction system using biomass gasification

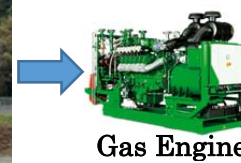
Raw Materials

- ① Wood
- ② Waste
- ③ Processed Food Residue
- ④ Livestock Manure
- ⑤ Sludge
- ⑥ Collected Garbage
- ⑦ Beach Driftage
- ⑧ Coal



Gasification Plant AMATERAS

Generation



Gas Engine

CO₂



Hydro Energy α



CO Gas Energy reuse

CO₂



Zero CO₂ Emission

Heat Use



Heat Exchange



Use of emitted charcoal further reduces CO₂ emissions

Use of heating and cooling in buildings and facilities