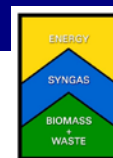


REFERENCE PROJECT - 1134



ENTECH – WtGAS PYROLYTIC GASIFICATION SYSTEM

- PROJECT NO.: 1134
- THERMAL CAPACITY: 7.36 MWt
- APPLICATION: Waste Derived Fuel (WDF)
- WDF TYPE: MSW (≈ 10 MJ/kg)
- ENV. STD.: Compliance to BS 3316
- CUSTOMER: Genting/Sri Layang Municipality
- DATE INSTALLED: 1999
- LOCATION: Malaysia



← View below
mezzanine waste
tipping floor



View of solid
residue / ash
(above)

PROJECT DETAILS: A resort complex and surrounding community processes around 60 T/dy of MSW. With this quantity of such waste derived fuel (WDF) converted into energy, significant environmental and economical benefits are achieved (as compared against equivalent energy from fossil fuel and waste disposal by composting) and include:

- Reduction of $\approx 4,350$ T/yr of virgin fossil fuel use.
- Hazardous ultrafine particulate emissions are negligible at ≈ 900 times less.
- CO₂ equivalent “greenhouse” emissions are $\approx \frac{1}{2}$, being equivalent to a reduction of 350,000 T over a 20-year project life.
- Toxic dioxin/NAH emissions are $\approx 1,000$ times less.
- Negligible effect on heavy metal discharge to land.
- Negligible haulage and landfill cost.
- Fossil fuel savings of \approx US\$2,000,000 per year.
- Eligibility for government recycling tax incentives and carbon credits.