

Landfill waste is a problem throughout the world...

AMMONIA



HYDROGEN SULFIDE



CARBON DIOXIDE



METHANE



NITROGEN



▲ PHENOLS

▲ HEAVY METALS

▲ AMMONIA

▲ CHLORINATED PESTICIDES

▲ OTHER CHEMICALS

▲ DIOXINS

▲ BENZENE

▲ TOLUENE

▲ POLY-CHLORINATED BIPHENYLS



HAZARDOUS TO HUMANS

- Birth defects
- Cancer
- Respiratory illnesses
- Suppressed immune system

Now there is an eco-friendly solution to mine it and reclaim energy and resources ...

R. E. A. L. M.

Waste Management Proposal Snapshot

PHASE 1

Landfill mining

- Composting of organic waste for the production of bio-fertilizer and/or construction materials additives - Refuse Derived Fuel (RDF) material preparation
- Recyclables (bottles, metals and usable plastics)
- Unlocking valuable land space for urban development



PHASE 2

RDF processing

- Production of syn-gas from hi-temp gasification process
- Production of Syn-gas for electric energy for both parasitic use and export
- Conversion of Syn-gas for production of bio-fuels (methanol / DME / etc)



PHASE 3

Energy Crop Plantation

- Providing an alternative sustainable feed-stock material in contingency of common feedstock supply shortfall - An alternative approach to enhance non-fossil based energy resources
- Promotion of rural economy thus eradicating poverty and sustainable income for rural farmers



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RESOURCE EXTRACTION AND ADVANCED LANDFILL MINING

Cost-Effective
Complimentary
Systems for
Waste-to-Energy
or Biofuel

ONE BIOFAME SDN BHD

and its consortium of Green And Renewable Energy Technologies and financial partners, offers solutions which will effectively generate Economical Environmentally Friendly and Efficient Alternative Biofuel and Renewable Energy activities. It's "State-of-the-Art" technology solutions that are multi-feed and fuel-flexible can utilize various sorts of carbonaceous waste streams (household, commercial, industrial, waste water sludge and landfill mining) and various forms of biomass (agricultural industries, contract farming and re-planting/land-clearing activities).

ONE BIOFAME SDN BHD is the lead technology promoter for Aggregated Waste Conversion & Energy/Biofuel Recovery Projects with an emphasis on the 5Rs environmental goal, namely Recycle, Reuse, Reduce, Recover and Residual Disposal. We are equipped with seasoned expertise, efficient environmental renewable energy technologies and financial partners to implement our programme consisting of:

Multi Fuel Gasification System,
Clean Air Solutions Technology & Water Salinization Process, Turbine Power Generation,
Syngas Liquefaction Process into Methanol, Bio Diesel, Bio Kerosene, etc.,
Biomass to BioDiesel CHyP Technology Process,
Industrial Size Energy Storage Systems (250 kW to 2,000 MW);

ONE BIOFAME also specializes in Organic Nano BioTechnology Based Treatment for Total Waste Management, Water Treatment Systems, Agro Enhancement and Energy Efficiency Innovations.

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