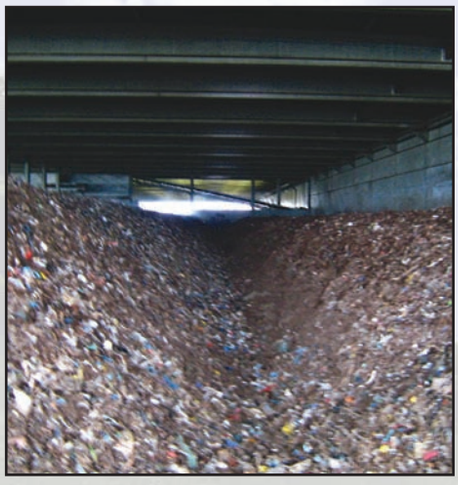
MECHANICAL BIOLOGICAL WASTE TREATMENT PLANTS



ECOCOM offers the most modern and complex solution in order to provide an environmentally safe waste treatment. Mechanical biological waste treatment plants are a combination of mechanical sorting and a 2-stage dry or wet anaerobic digestion (fermentation). Mechanical sorting is used for separating the waste into several streams to enable specific recycling and disposal. In this stage the fine organic fraction will be sorted out for the further anaerobic digestion (fermentation).

- In the first stage the high calorific fraction **"RDF" (Refuse Derived Fuel)** is sorted out to be used as fuel for generating heat and electricity
- Separation of **ferrous and non-ferrous metals for further recycling**
- At the fermentation stage emissions are minimized and **biogas** is produced. Biogas can be used in a cogeneration plant to generate electricity and heat
- The remaining sludge after the fermentation process is composted in order to receive an inert product that can be used for an environmentally safe disposal or the recovery of destroyed soils

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MECHANICAL BIOLOGICAL WASTE TREATMENT SCHEME

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