## STERGY plants VSTERGY plants





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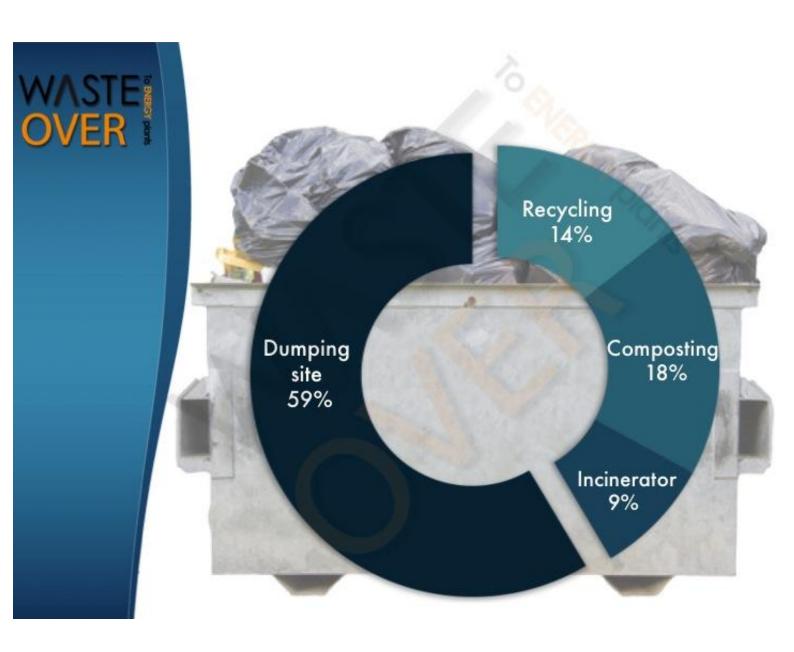


Waste as a Renewable Energy Source





2.THE
PROBLEMATICS
OF WASTE.







- Creation of Infection sources, places prone to developing insect and disease-carrying rodents
- 2. Unpleasant odours caused by decomposing organic matter.
- 3. Underground and surface water contamination(leachates).
- 4. Air contamination by spontaneous combustions.
- Landscape destruction and socio-economic degradation of environment.





- 1. Waste into toxic ash transformation.
- 2. CO2 and dioxin emissions.
- Among the gases emitted have been detected toxic metals like lead, mercury and cadmium, and so dangerous products such as dioxins (substances that accumulate in fatty tissues and are highly carcinogenic).





- It is a good system for compost generation with the use of organic fraction of garbage or remains of pruning, etc
- 2. Slow and uneconomical process
- 3. Admission of certain waste only.

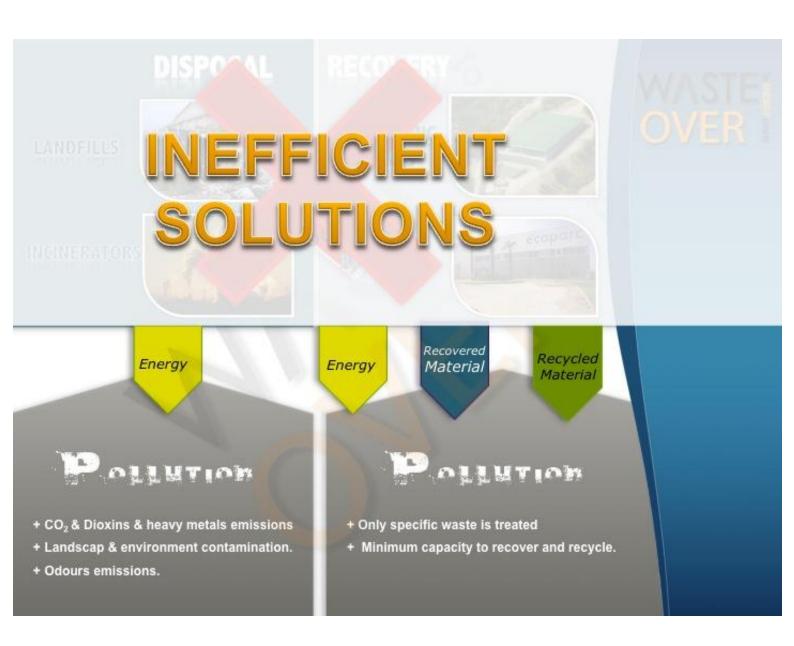




- Waste volume rejected and sent to landfill exceeds 60% the garbage entry.
- Significant level of odours emissions and gases into the atmosphere.
- 3. The Biogas generation system employed has been rejected for years in other countries











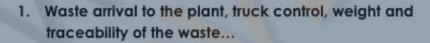


## 3, PROCESS DESCRIPTION



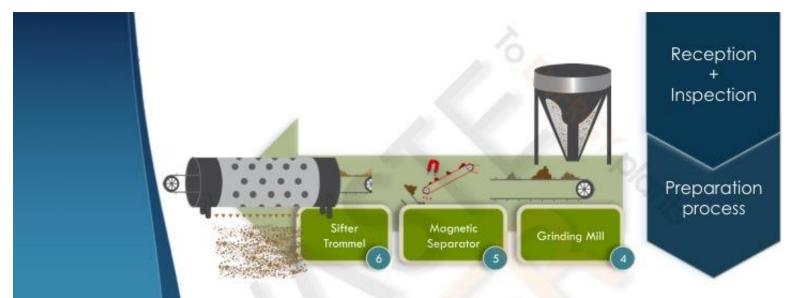






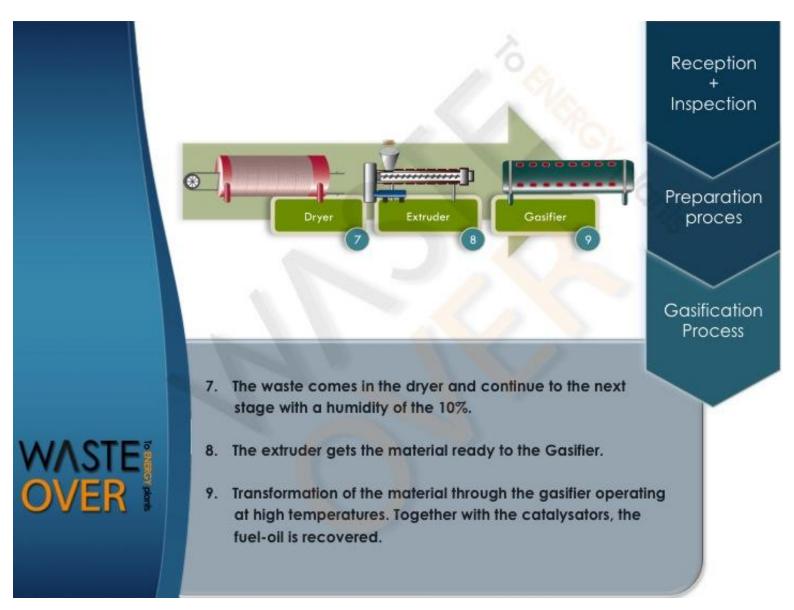
- Visual inspection of the waste, the bags previously go through the bag opener which will allow to check the content.
- Manual separation of the big volume non energy-giving materials permit the process to continue.

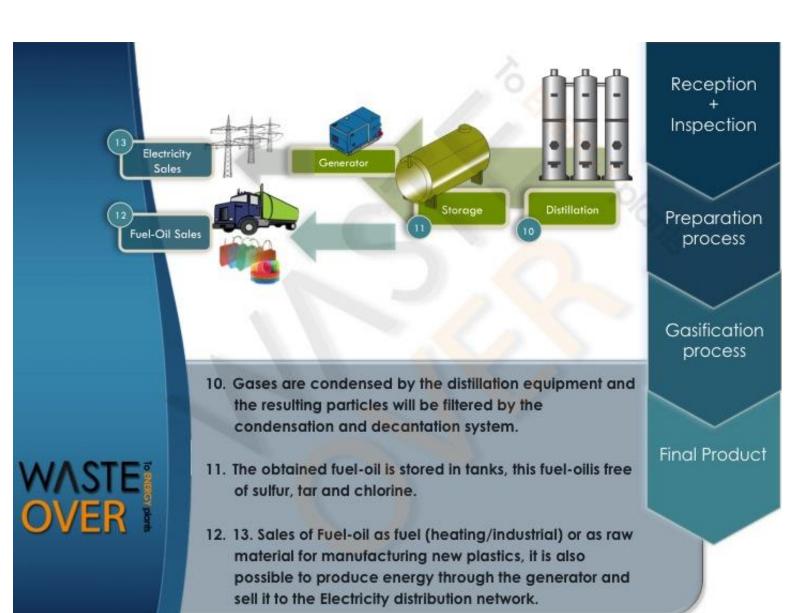






- 4. The waste goes through the mill which grinds and framentizes it.
- Several magnetics separators extract the metallic materials from the process, those will be treated separately.
- Separation of the different types of waste by density using the sifter trommel. The ones resulting with a diameter exceeding 50 mm return to the mill.

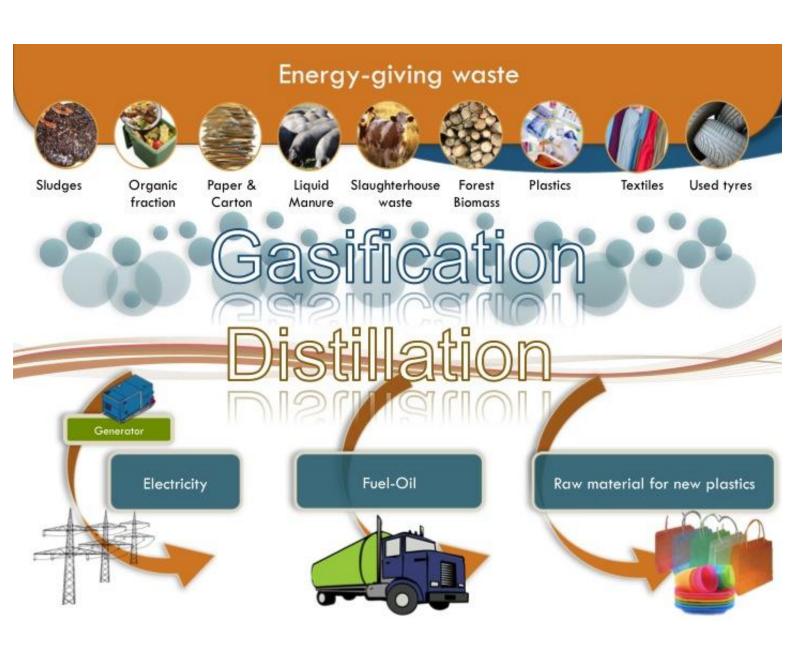








## 5. RESULTING PRODUCT









## 6. GRAPHIC MATERIAL



