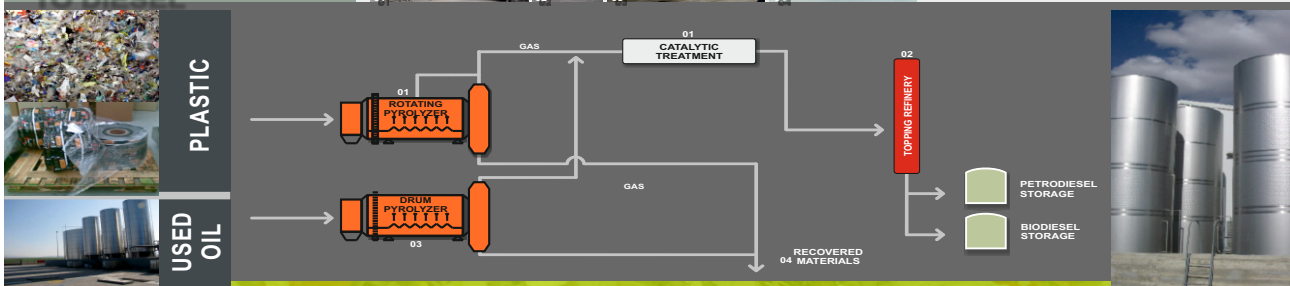


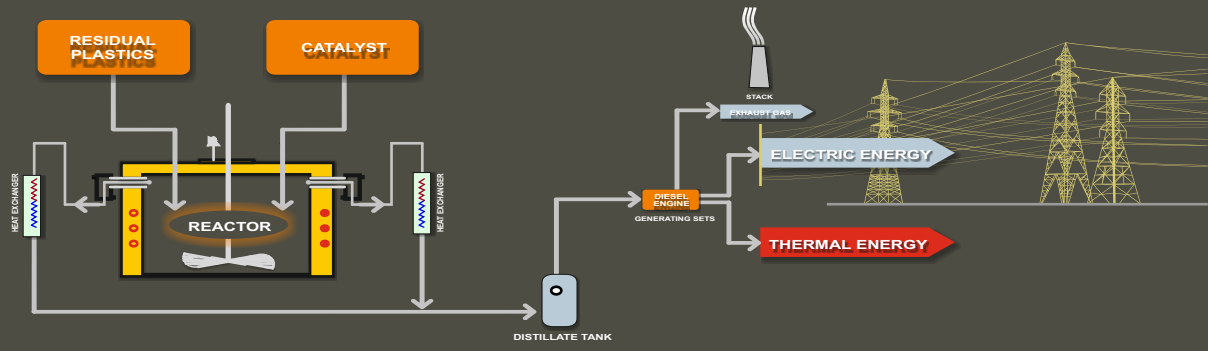


# Residual plastics thermocatalysis for liquid hydrocarbons production

Organic Matrices:  
**PLASTICS & OILS  
TO DIESEL**



- 01 Residual plastics
- 02 Charging and dosing system
- 03 Pyrolysis reactor



- 04 Distillate tank
- 05 Transfer pump
- 06 Diesel distillate

#### TECHNOLOGY CHARACTERISTICS

Biopetrol technology consists in residual plastics pyrolysis, mostly polyolefinic plastics (polyethylene and polypropylene), for alternative fuel production, whose characteristics are very similar to commercial liquid fuels.

#### TECHNOLOGY ADVANTAGES

- Possibility to operate in a temperature range between 400° and 500° C;
- Presence of catalysts inhibiting effect as regards some hydrocarbons formation, particularly of chlorinated ones;
- Recovery of cheap materials, joined to an efficient plant management;
- High plant flexibility, sets as a modular structure;
- Variety of applications for the derived fuel, which can be used in conventional plants for electric and thermal energy production.