



## The Latest Progress in Waste-to-Fuel Technology



### \*High Molecular Pyrolysis System

- Low temperature, low oxygen process
- Minimal CO<sub>2</sub> footprint
- Output gas reused as fuel
- Continuous running
- Highly efficient

*Output:*  
**Fuel oils/Gas & recyclable char**



\*Patented

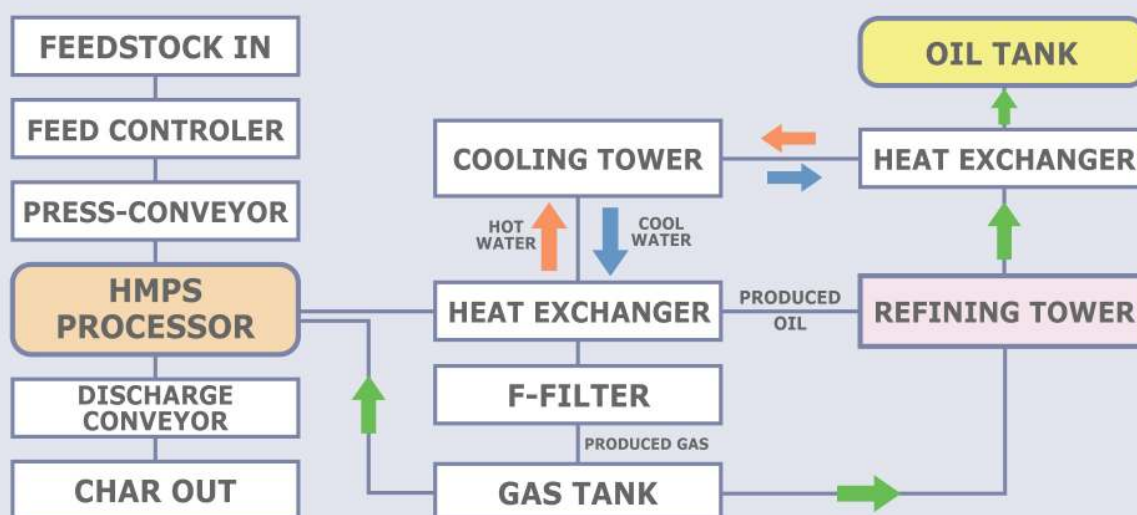
# High Molecular Pyrolysis System



## The Plastic Bag Problem

Plastic Bags are a true menace to our ecosystems and our waste diversion goals. Barely recyclable until now, almost all of the 600 bags used in the State per second are discarded. Once discarded, they either enter our landfills or our marine ecosystem. People think of plastic bags as being free. Instead, they actually cost taxpayers millions every year. In San Francisco alone, City officials estimate that they spend \$8.5 million annually to deal with plastic bag litter—that equates to roughly 17 cents for every bag distributed in the city.

## How HMPS (High Molecular Pyrolysis System) Works



## Specifications - a Sample Plant

**Plant size:** 5,400 sq.ft.  
**Process Capacity:** 20 tons/day  
**Processed Material:**  
 PE, PP, PS, Food Waste, Sewer Sludge  
**Process Temperature:** 660 - 840 F

**Output**  
 Oil: 5 - 8 tons/day  
 Gas: 3 - 5 tons/day  
 Char: 4 - 6 tons/day  
**Power Consumption:** 120kW, 380 Vac