

Waste Plastic to Fuel

Zero Pollution Conversion Technology



**PLASTIC
ADVANCED
RECYCLING
CORP.**

Who We Are and What We Do

PARC is a leading pyrolysis technology company that achieved continuous production to convert waste plastics into high quality fuel through patented systems that are financially and environmentally beneficial.

- **Reduce** waste plastic streams and mitigate environmental pollution by efficiently converting all types of plastics, including PVC
- **Produce** high-quality, ready-to-use fuel for industrial furnace and can be refined into Gasoline and Diesel by refinery
- **Create** a sustainable solution to today's most daunting problems: environmental deterioration and energy shortage
- **Offer** green jobs that are beneficial to local economy



Hawaii, US



Naples, Italy

Who We Are and What We Do

Industrial



Residential



• Generated:
More than **13 million** tons of plastic wastes in the US per year

• Recycled:
Only **7%** of those plastic wastes

Landfills



Incineration



PARC's Technology



- Environmental friendly method to dispose plastic wastes
- Alternative sources of energy
- New profit stream

Company Overview

- **Founded in 1994 and built first plant in Beijing in 1995**
- **PARC has devoted itself to improving and perfecting its waste-to-fuel technology for 20 years**
- **Currently have two operational plants in Jiangsu Province, China**
A new facility with two units are expected to be installed within 2015
- **Independently own three US patents. Certified by ISO 9001**

Facility in Nantong, China



Waste Plastic to Fuel

Advantages:

- Continuous operation with high efficiency and capacity
30 tons of waste plastic per day; 10,000 tons per year
- Automatic continuous feeding and discharging system
- New technology pyrolysis reactor
- No sorting is needed;
able to process co-mingled
plastics
- System is scaled to need
- Minimum emission
- High output ratio



Waste Plastic to Fuel

Process:

- **Feedstock**– Plastic packaging, agricultural film, food and beverage containers, etc.



- All types of plastic
- Single unit of equipment can process 30 tons of waste plastic a day, totaling 10,000 tons a year
- Types of plastic that have high oil yield: PP, PS, LDPE, HDPE
- Low-temp & pressure **800°F/500 °C** pyrolysis reaction
- Reaction-- solid to liquid and gas
- Filtrated and condensed into mixed fuel
- (optional) Refine into diesel and gasoline



Waste Plastic to Fuel

Output:

- **Up to 60%** of the output is mixed fuel (depends on feedstock), which can be used in industrial boilers, generators, or can be further refined into diesel and gasoline by the refinery



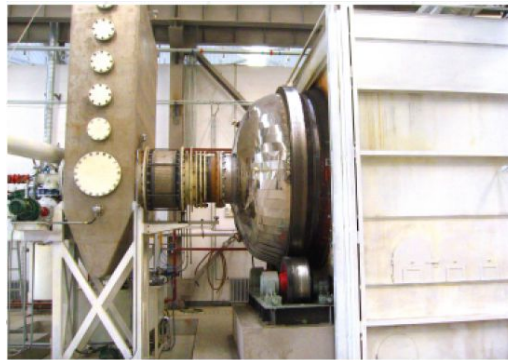
- **17%-32%** is solid residue, which can be used as a heating source similar to lean coal.
- **15%-18%** is combustible gas which is recycled back to the furnace as heat.

Value Proposition

- Reduce plastic waste pollution and tipping fees associated with plastic sourcing.
- Reduce GHG emissions related to incineration and oil extraction.
- Reduce dependency on foreign oil and exposure to volatile oil prices.
- Create additional revenue through mixed fuel sales.
- Create green jobs for local community.
- Create strong environmental stewardship with local community by better waste management practice.



DRYER



FILTER



CONDENSER

Thank You !



Plastic Advanced Recycling Corporation

Add: 7884 S Quincy St.

Willowbrook, IL 60527, U.S.

Tel: 1-630-655-6976

Fax: 1-630-654-0530

Email: info@plastic2x.com

www.plastic2x.com