Scrap Tire to Fuel
Zero Pollution Conversion Technology
About Scrap Tire

• In 2013, US generated 233.3 million scrap tires; 89.5% is light duty tires; 10.5% commercial tires¹.

• There are still 75 million stockpiled tires in US by 2013

• Scrap tires are problematic in landfills because they are difficult to compact and do not decompose easily

• Scrap tires stockpiles harbor mosquitoes, snakes and other vermin

• Scrap tires stockpiles present fire hazard. It is extremely difficult to extinguish fire from tire stockpiles
Who We Are and What We Do

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

- **Reduce** scrap tire stockpiles and landfills and mitigate environmental pollution by efficiently converting scrap tires
- **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
Company Overview

• Founded in 1994 and built first pyrolysis 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
Scrap Tire to Fuel

Technology Breakthroughs:
- New-style pyrolysis reactor
- Modular system
- Automatic continuous discharging system

- Continuous feed
- No coax buildup
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How it works:

Tire is made of natural and synthetic rubber, steel wire, nylon, carbon black, sulfur, additives (accelerator, antiager, oxidant, etc.) and processing oil. It is a source of alternative energy.
Scrap Tires to Fuel

Facts & Numbers:

• One single unit can process 50 tons of scrap tires daily, approximately 18,000 tons annually

• 35-40% of the output is mixed fuel with caloric value of 9,500-10,500 kcal/kg

• 10-15% is scrap steel wire

• 6-7% is combustible gas which is rerouted back into the furnace as heat

• 1-2% is waste water
Value Proposition

- Reduce scrap tire stockpiles accumulation and pollution.
- 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.
Thank You!

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