



Magnum Group International Inc. (MGI) owns and operates a state of the art technology (patent pending) capable of converting organic waste into marketable by-products. The process incorporates Pyrolysis through an innovative, secure and very efficient Advanced Pyrolysis System (APS).

This proven technology is capable of converting organic waste such as Municipal Solid Waste, Plastic, Wood bio-mass, Coal, Used Tires, etc., into Fuel Oil, Activated Carbon and Fertilizer, which are all marketable by-products.

The application of our technology successfully addresses the global challenge of waste disposal with a cost effective and safe non-polluting, non-toxic process which is compatible with all environmental standards. It incorporates the best features of traditional pyrolysis systems with a second and third stage gasification process.

The APS Technology is scalable, safe, profitable and proven solutions that can help communities of all sizes solve their Waste disposal challenges.



APS Advantages and Investment Considerations:

- **Leading edge Technology**
 - Avoids tar build up in condenser piping
 - Eliminates creation of dioxin
- **Marketable By-products:**
 - Carbon Black with high surface area and iodine absorption rate
 - High quality fuel oil, free of carbon dust
- **Compliant with all emissions standards**
 - No secondary pollution
 - Dioxin Free
- **No incineration and/or landfill required**
- **Efficient re-use of gases produced** Complete cracking of feedstock
- **Magnum is offering Joint-Venture opportunities**
- **Technology patents pending in the USA**
- **ROI, with estimated payback of less than 3 years depending on feedstock**
- **Proven technology**

WASTE TO ENERGY

The US Energy Recovery Council states that:

“Waste to energy facilities produce electricity with less environmental impact than almost any other source of electricity”

“Waste to energy reduces greenhouse gas emissions by one ton of CO₂ for every ton of trash processed”



“Waste to energy is renewable because the fuel source is sustainable and non-depletable”

COMPETITION

Competitor offerings are configured mainly as large, immobile, non-scalable, multi-million dollar facilities. Magnum Group International Inc. delivers mobile, scalable units which produce valuable high quality products.

** Other Revenue Models exist for other feedstock, such as plastic, biomass. Additional revenue exists from GHG credits, which hasn't been modeled.*

REVENUE MODEL*

Based on conservative world spot price as of April, 2012

1. Conversion of Used Tires

Revenue Sources: TYPICAL 50-TON-PER-DAY PLANT (APS2000)

- Fuel oil
- Regular quality activated carbon
- R.O.I. in less than 3 years after completion of plant

Source	Annual Output	price/ton	Annual Revenue
Fuel Oil	6,750	1,000	6,750,000
Carbon Black	5,250	1,500	7,875,000
Steel	1,050	300	315,000
Total Revenue			\$14,940,000
Total Operational expenses			3,894,468
Depreciation			525,000
Net Income Before Tax			\$10,520,532

2. Conversion of Wood Waste

Revenue Sources: TYPICAL 50-TON-PER-DAY PLANT (APS2000)

- Bio oil
- Activated Carbon
- R.O.I. in less than 3 years after completion of plant

Source	Annual Output	price/ton	Annual Revenue
Activated carbon	6,000	1,750	10,500,000
Bio Oil	2,250	600	1,350,000
Total Revenue			\$11,850,000
Total Operational Expenses			3,251,732
Depreciation			400,000
Net Income Before Tax			\$8,198,268

3. Conversion of Used Plastics

Revenue Sources: TYPICAL 24-TON-PER-DAY PLANT (APS500)

- Bio Oil
- Bio char
- R.O.I. in less than 3 years after completion of plant

Source	Min. Annual output	price/ton	Annual Revenue
Bio Oil	5,040	1,000	5,040,000
Bio Char	72	600	43,200
Total Revenue			\$5,083,200
Total Operational Expenses			1,811,950
Depreciation			250,000
Net Income Before Tax			\$3,021,250

MANAGEMENT

- ❖ Experienced and dedicated management team with degrees & experience in; Science, Engineering, law, accounting, marketing, business administration, information technology and sales – various members of the team have now worked together for over 20 years
- ❖ Public and private corporate credentials
- ❖ Advisory board with over 130 years of experience

CORPORATE INFORMATION

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