

Developer: New Age Energy Group, LLC of CT

Green Electromotives Corporation

"Offers the 21st Century's Best Solution to Major Environmental Headaches"

The Plasma Method

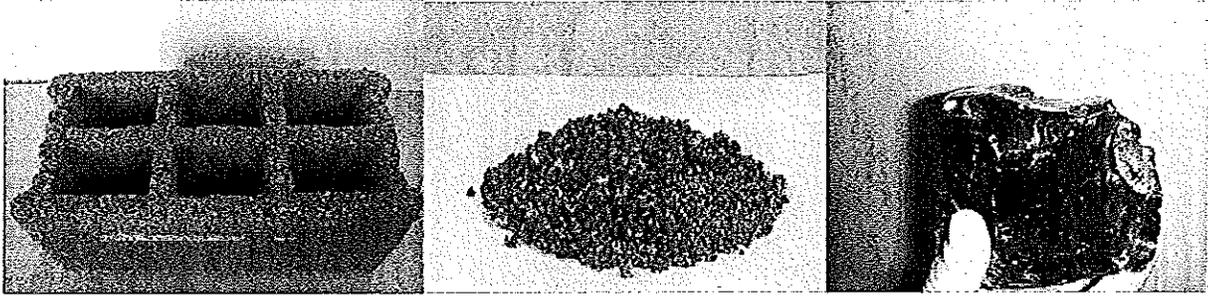
Plasma, as defined in physical science terms (unrelated to biological definitions), is: "an electrically neutral, highly ionized gas composed of ions, electrons, and neutral particles".

The nature of all matter is found in one of 3 natural stages: solid, liquid, or gas at our normal ambient temperatures, and plasma (the 4th stage) under certain conditions. For example, water is a liquid at ambient temperatures, a solid form below 32° F, and a gas (or vapor) at 212° F. The method we use to dispose of any waste is our U.S. patented Plasma method, and is generally accomplished via a process known as "molecular dissociation". This process essentially breaks down all organic molecules of any waste material under plasma-like conditions which converts the MSW fed into our reactor section into smaller molecules, atoms, or charged ions which become the "syngas" that powers the turbines that produce large quantities of electrical power. Our patented process accomplishes this task under "plasma conditions" and at elevated temperatures averaging 1600 to 1800° C (about 2900 to 3250°F). We accomplish this molecular dissociation within our specially designed reactor section on the organic portion of the waste that converts it to fuel for the turbines. At the same time, the reactor heats the inorganic waste material up to those high temperatures that convert these metal compounds and inorganic salts to more elemental subcomponents or base materials and a liquid lava state that is discharged from the reactor as "slag". This liquid slag solidifies and is completely inert, usable for many applications. When the waste material is ultimately reduced to that basic level through the patented reactor stages, the primary product of the organic (hydrocarbon) portion of the waste is simple "syngas" that is then used to power turbines that generate electricity as a product of the waste disposal method. The net result of this method is the production of a large amount of electricity – in the megawatts range - that can then be sold back to the power grid, producing an attractive net profit for the entire operation. Additionally, there are no measurable air emissions from our Plasma Plant since our patented Gas Cleaning process removes all common pollutants found in industrial air emissions to non-detectable, "near zero" levels. This method makes our process the only 100% complete process for MSW as well as all other common waste handling challenges. Summary: Garbage goes in - - clean electricity comes out.

The environmental benefits and advanced engineering functionality, combined with the

economics derived from our Plasma Plant method make our technology even more impressive:

- The landfill is cleaned up over time as all the waste is consumed in the production of usable and profitable end products: megawatts of electricity and inert slag material usable for many applications.
- All recyclables are separated as desired for added revenue generation
- There are no chimney or exhaust fumes, and no electromagnetic pollution
- Our patented "Gas cleaning" method produces "near zero" emissions, hence, a dramatic reduction of all Greenhouse gases to undetectable levels
- There is no discharge of water or other liquids.
- There is no part of the process under pressure, no pressurized liquids, no flammability
- Gasification process in plasma reactor requires 8 times less air than incinerators
- Can be operated indoors, taking 10 to 20 times less space than conventional incinerators of comparable capacity.
- Energy yield is multiple times higher than conventional incinerators due to our patented plasma plant process.
- Simplicity in functioning
- Can be operated continuously
- Highly automated operation requires a much smaller workforce.
- The system can also be designed to provide steam or superheated water.
- The system operates in a sterile environment at 24° C.
- Flexibility in design parameters, adapting the specific plant method to the specific nature of the waste. This includes handling medical waste, hazardous waste, and more.
- Elimination of CO₂ and noxious odors from landfills.
- Toxic components are destroyed in the Plasma plant reactor section.
- Heavy metals are immobilized and rendered inert within slag produced.
- Maximizes resource recovery from landfill and other wastes.
- Economically disposes of hazardous, toxic, medical, and other problem wastes.
- Technology includes our patented method to clean **any** exhaust gas emissions to levels far superior to EPA standards, and can be adapted as a stand-alone process for industrial plants.
- Capital cost to build our patented Plasma plant is lower than many conventional plants by as much as 30%.
- Operation and maintenance Costs are minimal since our "fuel" is garbage, and a very small percentage of revenue (± 2%) is required for maintenance.
- No other technology in the world exists that will perform the functions that our Plasma plant can with such stunning results and cost effectiveness.
- As a result of the above benefits of our Plasma plant, the investment potential offered, or ROI, is superior to any other known methods for any waste handling.

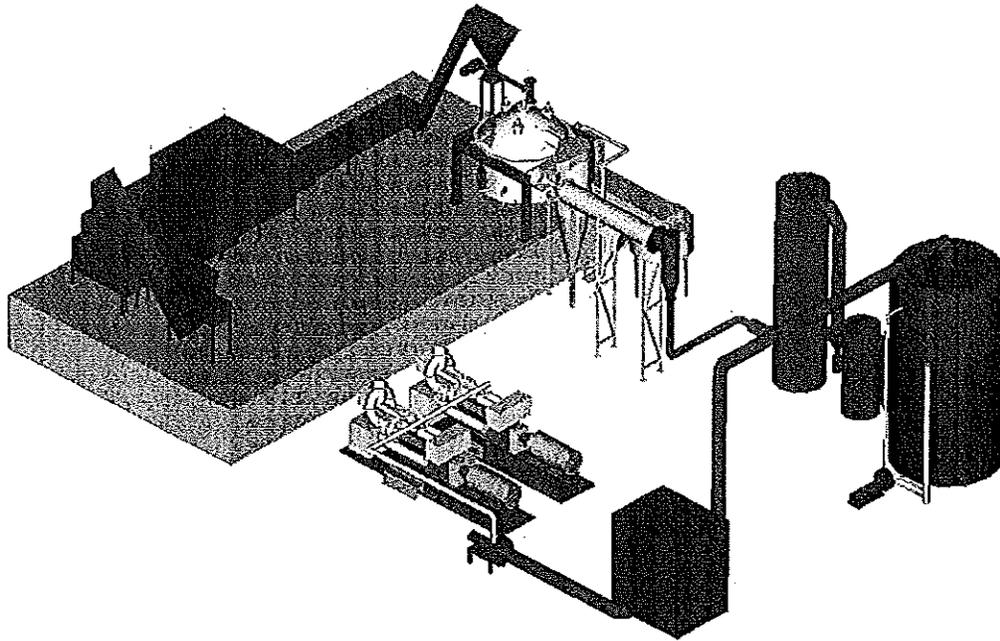


Sample

of "slag" waste

Ground up slag sample

Ground slag + 12% Portland cement



drawing of our Plasma Plant

A simplified

Charts measuring results achieved before and after our Gas cleaning

The following charts indicate values measured before and after the treatment of the exhausted gas, using our Plasma Plant process. These were verified measurements that clearly demonstrate the highly effective method we offer to completely clean the emissions of any detectable levels of pollutants in the air. The first chart shows the levels of gases and particulates in the exhaust of the turbines but prior to entering our Gas cleaning process. As indicated, the emissions are well within EPA limits already.

Compound	Plasma	Legal limits (U.S. EPA)	Legal limits (2000/76/CE)
Particles	<3.5 mg/m ³	< 15 mg/m ³	< 10 mg/m ³
HCl	0.3 mg/m ³	< 30 mg/m ³	< 10 mg/m ³
SO ₂	18 mg/m ³	< 50 mg/m ³	< 50 mg/m ³
CO	36 mg/m ³	< 50 mg/m ³	< 50 mg/m ³

NO _x	124 mg/m ³	< 200 mg/m ³	< 400 mg/m ³
THC	0.8 mg/m ³	< 30 mg/m ³	< 10 mg/m ³

Syngas is cleaned of chlorinated particles and compounds before combustion, eliminating any potential formation of dioxin. The following chart indicates the reference values of the emission gas once it has passed through our exhaust gas cleaning treatment.

Compound	Plasma	Legal limits (U.S. EPA)	Legal limits (2000/76/CE)
Particles	<0.002 (nd) mg/m ³	< 15 mg/m ³	< 10 mg/m ³
HCl	0.0001 (nd) mg/m ³	< 30 mg/m ³	< 10 mg/m ³
SO ₂	0.002 (nd) mg/m ³	< 50 mg/m ³	< 50 mg/m ³
CO	0.0004 (nd) mg/m ³	< 50 mg/m ³	< 50 mg/m ³
NO _x	0.002 (nd) mg/m ³	< 200 mg/m ³	< 400 mg/m ³
THC	0.0003 (nd) mg/m ³	< 30 mg/m ³	< 10 mg/m ³

Legend: (nd) = non-detectable

A bit of history

Our Plasma plant technology was originally conceived and developed over several years to meet the U.S. Navy's nuclear submarine fleet operational objectives on handling their submarine garbage since they were often submerged for months at a time and needed a way to destroy all evidence of garbage that could leave a "footprint" for our adversaries. It was also adapted for use on some Navy battleships and others over time. Our founding Director was responsible for the development of this method that is now standard equipment on our nuclear sub fleet. Our civilian version is a direct spin-off from this state-of-the-art technology developed and perfected over the past 25 years. The technology has enjoyed wide success in various parts of Europe in several different applications over this time period, where the inventor and developer has focused his attention until now. Since we are now formally registered as a Texas corporation, we are pleased to present our Plasma plant as the most cost effective and environmentally effective way to convert your waste products into a profitable enterprise rather than dealing with it as an environmental headache.

Our company and its founders own the patents (registered in the U.S. Patents office) to this

game-changing technology. We can show clients the cost effective and profitable path to a truly “green” environmental solution to their waste disposal and air quality challenges. Our Plasma Plant technology is your twenty first century solution to creating a cleaner and healthier world. This is a winning “Green” technology for any community and for the standard of living quality enhancement it provides. Let us show you how.