



TeslaGREEN, Inc.

Waste Management System(WMS)





TeslaGREEN, Inc.

Who We Are

TeslaGREEN Inc. is an ISO 9001:2015 certified green technology company with offices in India and Malaysia, providing low-cost waste management and energy solutions. TeslaGREEN Inc. generates energy from waste. The machine converts carbon-based matter into self-sustaining fuels. No external energy source is required. Dioxins and Difurans are dissociated within the chamber. This Energy is utilized for waste management, energy generation and the production of byproducts.

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How It Works

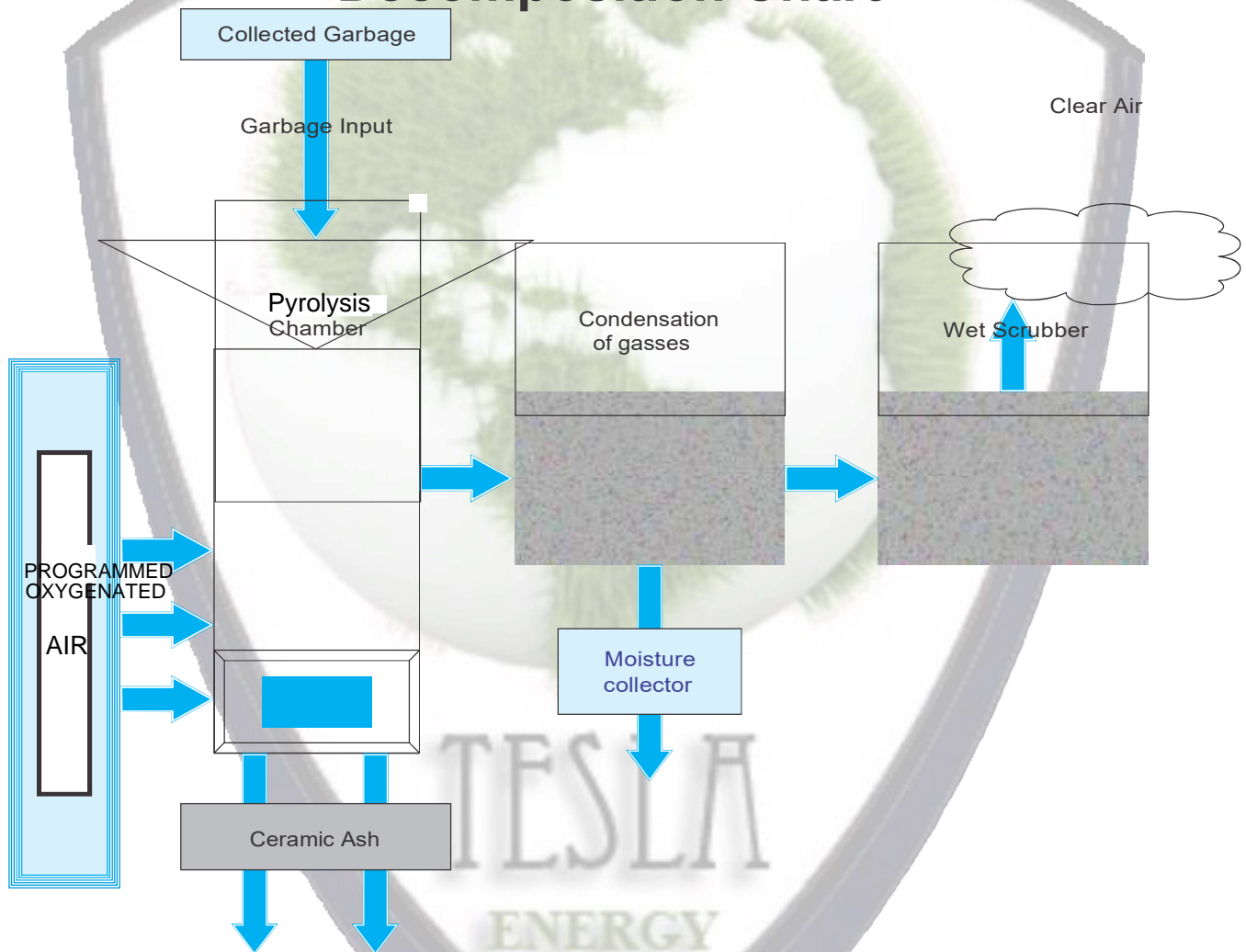
TeslaGREEN Inc.'s Waste Management system uses Ionized Oxygen Plasma(IOP), Tesla Flux Vortex(TFV) HEAT technology to create a chamber temperature of between 350 and 650 degrees Celsius. The SYSTEM uses a series of CENTRAL PROCESSING UNITS to create an atmosphere that produces flameless heat. The result minimizes environmental impact. The machine's byproducts are ash, sludge, biodiesel and electricity, which are environmentally safe to use and cost efficient to produce.

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Decomposition Chart





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Waste the Machine Can Decompose



All Carbon-Based Waste

Waste Paper

PET Bottles

E-Waste (computers, televisions, electronics)

Municipal Waste

Tires

Butyl Tubes

Plastic Waste

Food Waste

Impact of the Machine



The Volume of Municipal Waste is reduced by 80%.

Reduces cost of transporting trash

Less garbage trucks on the road

Less garbage strewn in the environment

Reduces size of landfills

Elimination of waste odors

Byproducts

Production of biodiesel

Production of aggregates for concrete

Production of gas fuels

Production of electricity



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Waste Management

TeslaGREEN, Inc.'s WASTE MANAGEMENT SYSTEM(WMS) provides solutions in many categories of waste with the exception of explosives:

- E-Waste (computers, electronics, televisions)
- Municipal Solid Waste
- Tires
- Plastics/PET Bottle
- Medical Waste
- Butyl Tubes

TeslaGREEN, Inc.'s Waste Management System uses Programmed Ionized Oxygenated plasma heat process to reduce the volume of trash. The process is environmentally friendly and financially economical. TeslaGREEN, Inc.'s Waste Management System reduces waste volume up to 80%.

The machine requires no separation of waste material. Material, such as glass, metals and appliances, are dropped into the chamber and removed at the end of the cycle. The processed waste is sterilized and safe to handle. TeslaGREEN, Inc. manufactures machines ranging in size from ½ ton to 1,000 tons. Machines are environmentally safe, requiring minimum space and infrastructure to operate.



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A unit could be placed at an airport, hospital, apartment complex, and any location that produces waste. This ability eliminates the need for there to be a large infrastructure to move the waste from point to point and eliminates the need for costly and environmentally hazardous landfills.

Depending on the unit's configuration, TeslaGREEN, Inc.'s waste decomposition machine produces a variety of byproducts.

All machines produce ceramic ash that has been used in the production of concrete and bricks.

The machine also produces sludge, which can be used in the production of asphalt and biodiesel. The machine requires no external source of electricity to operate.

The Machine can produce electricity. The 1,000 ton unit can produce up to 65 megawatts of electricity per hour.

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Waste Management systems

	<u>100 TONS</u>	<u>500 TONS</u>	<u>1,000 TONS</u>
<u>ELECTRICITY</u>			
Daily	360,000 Kilowatts per day	840,000 Kilowatts per day	1,560,000 Kilowatts per day
Yearly	129,600,000 Kilowatts per year	302,400,000 Kilowatts per year	561,600,000 Kilowatts per year
<u>BIODIESEL</u>			
Daily	12,000 Liters per day	60,000 Liters per day	80,000 Liters per day
Yearly	4,320,00 Liters per year	21,600,00 Liters per year	28,800,000 Liters per year
<u>CEMENT ASH</u>			
Daily	7 Metric Tons per day	35 Metric Tons per day	70 Metric Tons per day
Yearly	2,777 Tons per year	13,888.80 Tons per year	27,779 Tons per year
<u>TIPPING FEE</u>			
Daily Savings	100 Tons per day	500 Tons per day	1,000 Tons per day
Yearly Savings	28,800 Tons per year (288-day year)	144,000 Tons per year (288-day year)	288,000 Tons per year (288-day year)



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Operation of TeslaGREEN, Inc.'s Waste Decomposition Machine

TeslaGREEN, Inc. will train employees at your site. The initial start-up process is by using PET Bottles, cardboard and wood to reach the appropriate internal temperature. This process takes up to five hours.

The purpose of this process is to build a base of ash and sludge. This process can be sped up two hours by preloading ash.

Once the ash and sludge levels are achieved, then the user can begin decomposition of “wet” waste, such as municipal solid waste, medical waste, tires, etc.

The machine is started with an electronic ignition. This is the only time that there will be any flame in the decomposition chamber, and lasts less than five minutes.

The operator will be trained to regulate the airflow to match the CPU valves in the chamber. The machine can to be operated 24 hours per day, and should run a minimum of 20 hours per day for optimal efficiency.



Loading of the Machine

TeslaGREEN, Inc.'s Waste Management System can be loaded in two ways.

The smaller units – up to 10 tons – can be loaded via conveyer belt. The larger units can be loaded by either conveyer belt or front loader. Below are examples of load amounts and number of units per hour:

Number of Tons Daily	Units per hour	Unit of feed
½ Ton	1	50 Kg
1 Ton	2	50 Kg
10 Tons	2	250 Kg
25 Tons	4	250 Kg
50 Tons	2	1,500 Kg
100 Tons	3	1,500 Kg
1,000 Tons	3	15,000 Kg

The machine can function at 60% of the maximum feed. The moisture content is not a consideration after the first 96 hrs of functioning.



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Detailed Dimensions & Related Technology

Metric Tons per day	Volume	BH@WMS	BH@LaTierra	BH@Tiesel	BH@GoldBOUND	TOTAL
100	5m/10m/3m L/B/H	25m/23m 575Sq.m	35m/30m 1050Sq.m	35m/30m 1050Sq.m	35m/35m 1225Sq.m	4950Sq.m
500	30m/15m/6m L/B/H	32m/30m 960Sq.m	40m/42m 1680Sq.m	50m/45m 2250Sq.m	50m/45m 2250Sq.m	8190Sq.m
1,000	50m/25m/8m L/B/H	35m/35m 1225Sq.m	47m/45m 2115Sq.m	58m/50m 2900Sq.m	58m/50m 2900Sq.m	10,190Sq.m

1. All measurements are in meters
2. BH@WMS = Waste Management System
3. BH@LaTierra = Electrical Components
4. BH@Tiesel = Bio-Diesel
5. BH@GoldBOUND = Cement & Bricks
6. Misc. Space = Space for the storage tanks, two personnel, office, restrooms, monitors, camera systems and access roads.
7. The basic waste decompensation machine requires two full time operators for the smooth and uninterrupted operation.
8. The Hopper size is customized per customer requirements.
9. The Electrical, Biodiesel and Cement components can be added at a later stage. These components will require additional space and personnel. The components will also require an additional one to two employees, depending on the components added to the machine.
10. TeslaGREEN, Inc. will provide all training & continuous output monitoring.
11. Inputted waste will be reduced to up to 80% in Volume. Waste with higher carbon content will have a higher reduction.
12. A concrete pad of eight inches and an industrial shed of 8-10 meters in height are required.
13. The Machine's scrubber is automated and the water is recycled not consumed.



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Environmental Studies/Impact

The machine uses Ionized Oxygen Plasma(IOP) & Tesla Flux Vortex(TFV)to reduce the volume of trash. The TeslaGREEN, Inc.'s waste decomposition machine uses a wet scrubber to ensure that the outgoing exhaust is environmentally safe. The following pages are certified environmental test results.

*This method is patented in over 145 countries.