

TESLA ECO SYSTEMS



**WASTE** **GONE**  
Eco Decomposition System

THE ECONOMIC,  
INTEGRAL AND  
GREEN SOLUTION  
TO YOUR SOLID  
WASTE PROBLEM

# WASTEGONE

Eco Decomposition System



## Self sustainable converting waste into resources

Waste is not only an environmental problem, in general it is considered to be an economic loss also. And whether that waste is decomposed or recycled, both alternatives require additional economic resources. The WASTEGONE Eco Decomposition System however not only solves your solid waste problem by converting solid waste into renewable resources and energy, it's also self sustaining and therefor truly contributes to the circular economy!

## Running on waste and air

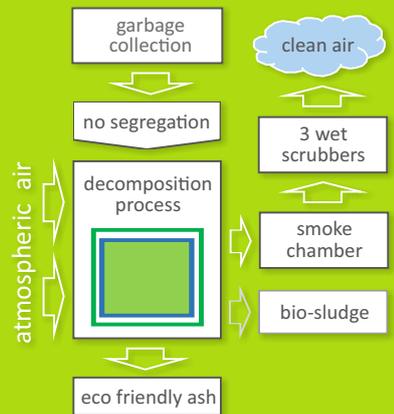
Without having to segregate, the WASTEGONE decomposes - in the ratio of 1/200 - 1/300 times the input volume - a variety of solid waste: municipal, food, leather, PET, BUTYL, E-waste, paper, plastics, rubber and medical waste. And because the applied 'Oxy-Ion Magnetic Decomposition' technology only requires atmospheric air, no electricity or fuel is required. And on top of that, due to that same innovative technology and 3 wet scrubbers the WASTEGONE emits only clean, non toxic air.

## HOW DOES IT WORK?

The decomposition process is ignited by directing a small amount of heated atmospheric air (oxygen) through the strong magnetic field created by the WASTEGONE's own magnet cores in the oxygen starved decomposition chamber.

The heated oxygen absorbed by the strong magnetic field not only generates the required high temperature (200°C - 1200°C), at the same time highly reactive, negatively charged oxygen ions are formed. The heat inside the chamber decomposes the waste, and the highly oxidative oxygen eliminates by oxidation the dioxins and other harmful compounds that are a result of the decomposition process.

The emission is then treated through 3 wet scrubbers to bring it well under the norms as required by strict U.S. and European emission regulations.



## A source of free green energy and renewable products

The WASTEGONE not only generates considerable amounts of free green energy that can be stored to realize energy savings or provide entire communities with energy. As a result of the applied technology the WASTEGONE produces also by-products that are of interest to a variety of industries. If mixed solid waste is processed the resulting eco friendly ash can be used as an ingredient of concrete, tiles and bricks. Mixed with water the ash can also be used for improving soil conditions. In case of non mixed solid waste containing a substantial amount of plastics, the WASTEGONE also produces bio-sludge that can be processed into bio fuel/oil.

## Affordable, upscalable and mobile

The WASTEGONE is not only available in a wide range of waste processing and power generating capacities, the maintenance costs are minimal and it doesn't require highly skilled operators. This solution is therefore affordable to smaller organizations with limited budgets and human resources. To meet an increasing waste processing demand the installation can be upscaled easily by putting two or more units in line. And due to its modular and compact design the WASTEGONE can be relocated easily.

## Superior to incineration and Waste to Energy alternatives

The PLC operated WASTEGONE offers numerous advantages over incinerators and Waste to Energy alternatives. Two comprehensive lists stating its advantages can be found in the document „WASTEGONE vs Incinerator & Waste to Energy alternatives“

