

“Enlightening Solutions”, LLC.



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Zero Organic Waste & Recycle Solar based
Alternate Integral Technology System Solution.

Featuring All Equipment:



BIOLOGICAL BASKETS (BB)

Recycle and transforms Solid Organic Waste (SOW) from gardens, kitchens and pets into high impact-quality BioFertilizer, odors and pathogen free, without leachate and going into rot.



Biological Baskets

are all made of recycled plastics

Biological Baskets

Use contributes to:

- 1.Reduce/Stop waste to landfills and all their adverse effects to the environment, like:
 - a) Infectious spots;
 - b) Leachate/odors;
 - c) Rot/harmful fauna;
- 2.Reduce Greenhouse Gases emissions;
3. Carbon retention;
4. Reduce carbon foot print by stop handling issue conventionally.



BIOLOGICAL CHAMBER (BC)

Recycle and transforms Solid Organic Waste (SOW) from gardens, kitchens pets/livestock into high impact-quality BioFertilizer, odors and pathogen free, without leachate and going into rot.



Biological Chamber

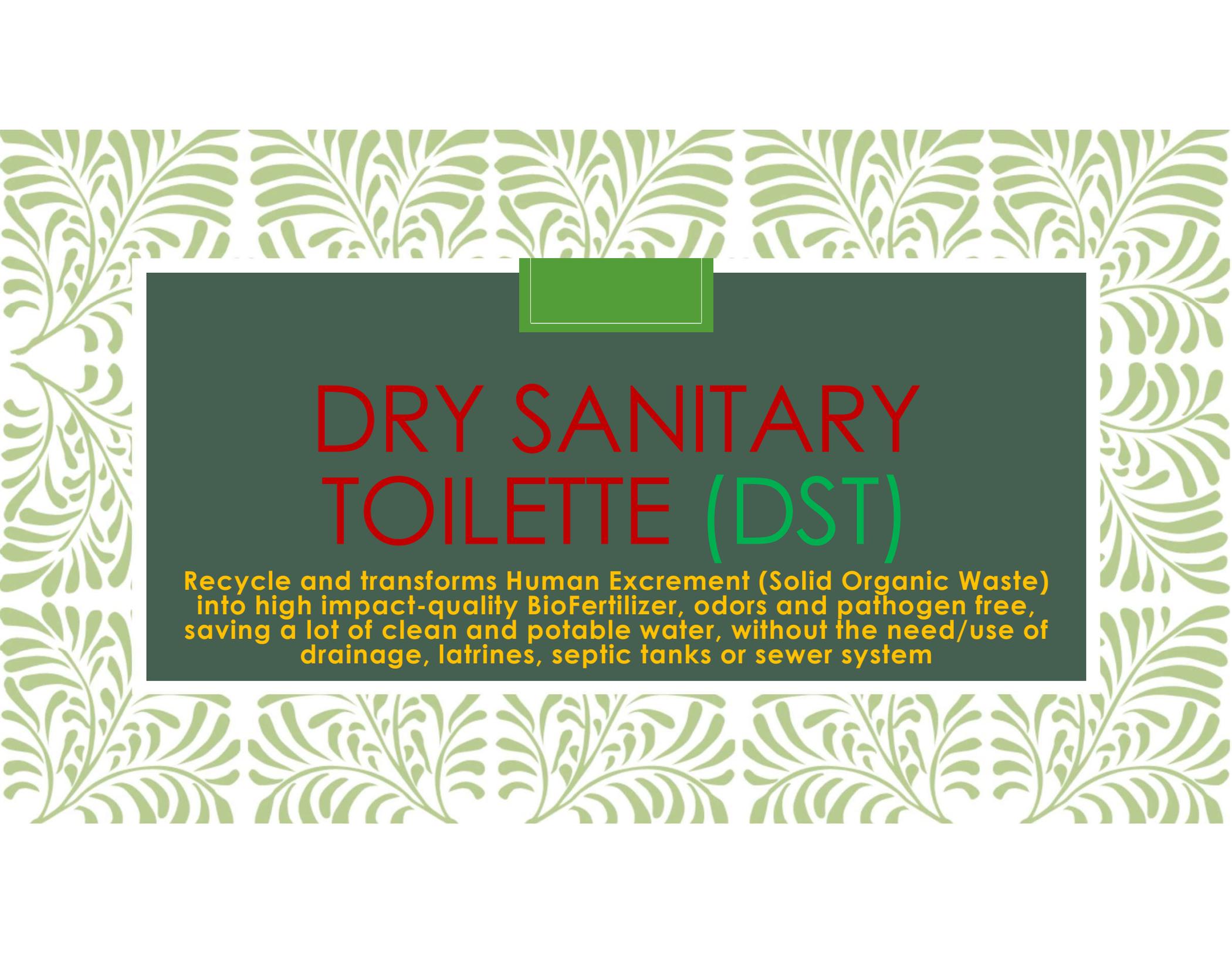
Modular Prefabricated made of fiberglass reinforced polyester resin with gelcoat and polyurethane coating inside, polycarbonate solar collector

Biological Chambers

Use contributes to accomplish the 4 same benefits listed for the Biological Baskets,

processing and receiving 1/4 of cubic meter per day

Modular scalation up to 4 BCs allows to process 1 cubic meter per day.



DRY SANITARY TOILETTE (DST)

Recycle and transforms Human Excrement (Solid Organic Waste) into high impact-quality BioFertilizer, odors and pathogen free, saving a lot of clean and potable water, without the need/use of drainage, latrines, septic tanks or sewer system



Dry Sanitary Toilet (DST)

Made of rotomolded polyethylene Gelcoat coated hut

Use contributes to:

1. Reduce/Stop wasting clean potable water to create "residual waters" with all their adverse effects for environment:

- a) Polluting acquifers & many water bodies;
- b) Infectious spots;

2. Reduce/Stop building expensive drainages & sewer systems;

3. Carbon retention and reduce GHG emissions;

4. Reduce carbon foot print by stop handling this issue conventionally.



WET SANITARY BIODIGESTOR (WSB)

Recycles “residual waters” from business or living places, recovering up to 70% to reuse for ornamental plants irrigation, with Zero Discharges and without need/use of drainage, latrines, septic tanks or sewer system, saving their expensive costs and its maintenance.



Wet Sanitary BioDigester

Made of fiberglass reinforced polyester resin and gelcoat coating.

Use contributes to:

1. Reduce/Stop wasting "residual waters" adverse effects for environment:

a) Polluting aquifers & many water bodies;

b) Infectious spots;

2. Reduce/Stop building expensive drainages & sewer systems;

3. Carbon retention and reduce GHG emissions;

4. Reduce carbon foot print by stop handling this issue conventionally.



BIODIGESTOR 3 COMPARTMENT

Recycles “residual waters” from 1-2 persons, by creating a habitat for bacteria to digest sludge, recovering up to 70% for reuse in ornamental plants irrigation thru evapotranspiration underground beds, with Zero Discharges and without need/use of drainage, latrines, septic tanks or sewer system, saving their expensive costs and its maintenance.



BioDigester 3 Compartment

Made of fiberglass reinforced polyester resin and gelcoat coating.

BioDigester Triple Compartment

CREATES a "habitat"
for bacteria that
digest sanitary
sludge.

ZERO downloads to
the environment.

USE contributes to
accomplish the 4
same benefits listed
for the Wet Sanitary
Toilet (WST).



FAT DIGESTOR (FD)

TO DIGGE the effluent grease such as the kitchen sink, clothes washer and others, allowing to recycle said effluent for irrigation of ornamental plants. It is NOT a fat trap, or to decrease the size of fat molecules (sulfactants).



Fat Digestor

Made of fiberglass reinforced polyester resin and green gelcoat coating

CREATES a “habitat” (of tezontle and anthrasite) where the bacteria proliferate.

ZERO downloads to the environment.

RECEIVES the effluent from the kitchen sink and laundry, retains solids and lint, which then pass through the “habitat” and the effluent comes out clarified, suitable for irrigation of ornamental plants.



BIOLOGICAL FILTER (BF)

Recycles gray and soapy waters (sinks, showers and tubs) for its reuse on garden and edible plants, for washing floors and even to operate WCs instead of using drinking water, if the building design makes it feasible or redesigns makes it possible.



Biological Filter

Manufacture "in situ" of masonry. Fiberglass reinforced polyester resin inner cone.

SIZES are calculated according to the amount of gray water to be recycled.

ZERO downloads to the environment.

Possible to combine rainwater with the gray water.

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