

# “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 fibreglass 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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