



**EnergyBin™** is a state of art, compact, pre-fabricated plug and play biogas plant for universal organic waste, like foodwaste and liquid manure. The state of art construction of the **EnergyBin™** plant enables a quick, uncomplicated installation at an Industrial canteen, housing society, townships, hotel/resort, institutes and agricultural farm, in a day, since the components are delivered pre-installed.

The small biogas plant **EnergyBin™** makes it possible for installation at any place where there are small amounts of waste generation (from 100 kg/day, up to 2000 kg/day), for whom the construction of a conventional biogas plant is not lucrative, to convert their waste into source of energy. It also exponentially boosts the fertilizing properties of the manure generated. The operation of a small biogas plant is economically interesting, as it saves the cost of disposing the waste, treat the waste scientifically and also generate revenue from it.

Xeon Waste Managers (XWM) target is to make India a Bin free nation and eliminate land filling, by Installation of **EnergyBin™** at the source of organic waste generation.

So let's eradicate **GARBAGE** by installation of an **EnergyBin™** and contribute in Prime Minister Narendra Modi's Swachh Bharat Abhiyan – the country's biggest ever cleanliness drive which has the vision of having a 'Clean India' by the 150th birth anniversary of Mahatma Gandhi.

#### **The Key Features of EnergyBin™ at a glance:**

- 1 tons/day of food waste treated per annum, will avoid 300 tons of CO<sub>2</sub> being emitted in atmosphere and will indirectly reduce CO<sub>2</sub> absorption load on 15000+ full grown trees
- Improved two stage Laterally Stirred Tubular Reactor (L-STR), with a patented scum breaker design and packed microbe holding arrangement
- Indigenously developed efficient crushing-cum-pumping system
- Uncomplicated installation, quick construction time and quick start-up
- Small space required, compact construction form
- Submersible agitator for biomass with high dry matter or demanding substrates
- Submersible heater for automatic temperature control
- Interfaces perfectly matched one to the other
- High-quality standardized components and parts, low maintenance operation
- Stand-alone operation possible