

Our Hospitals Solution

Small Scale / Footprint

Our Technology

- Modular design to accommodate various waste throughput capable of expansion
- No oxygen = no combustion = **no incineration**
- Enclosed facility
- Clean emissions which comply with EPA and EU standards

Our Process



Medical Waste

Waste Received and Conditioned

Waste is weighed and directed to a secure location within the enclosed building. After inspection, the waste is processed and prepared for gasification



Waste-to-Energy

Pyrolysis and Gasification

Waste is delivered to the feed hoppers for storage. The cycle begins with the feedstock (the waste) been discharged from the feed hoppers into the gasifier where the waste is heated in an oxygen deprived environment. This is when the feedstock is transformed into a synthetic gas (syngas). Our process **DOES NOT BURN** waste.

The remaining inert (recyclable) solids of around 5 percent are discharged from the gasifier and conveyed to storage containers for disposal or other use. The inert solids are tested and can be used for landfill closure operations.



Renewable Energy Generation

The system produces thermal heat that can be sent to an existing boiler or chiller to offset the use of fossil fuels, or it can converted into electricity

