

# Anaerobic Digestion

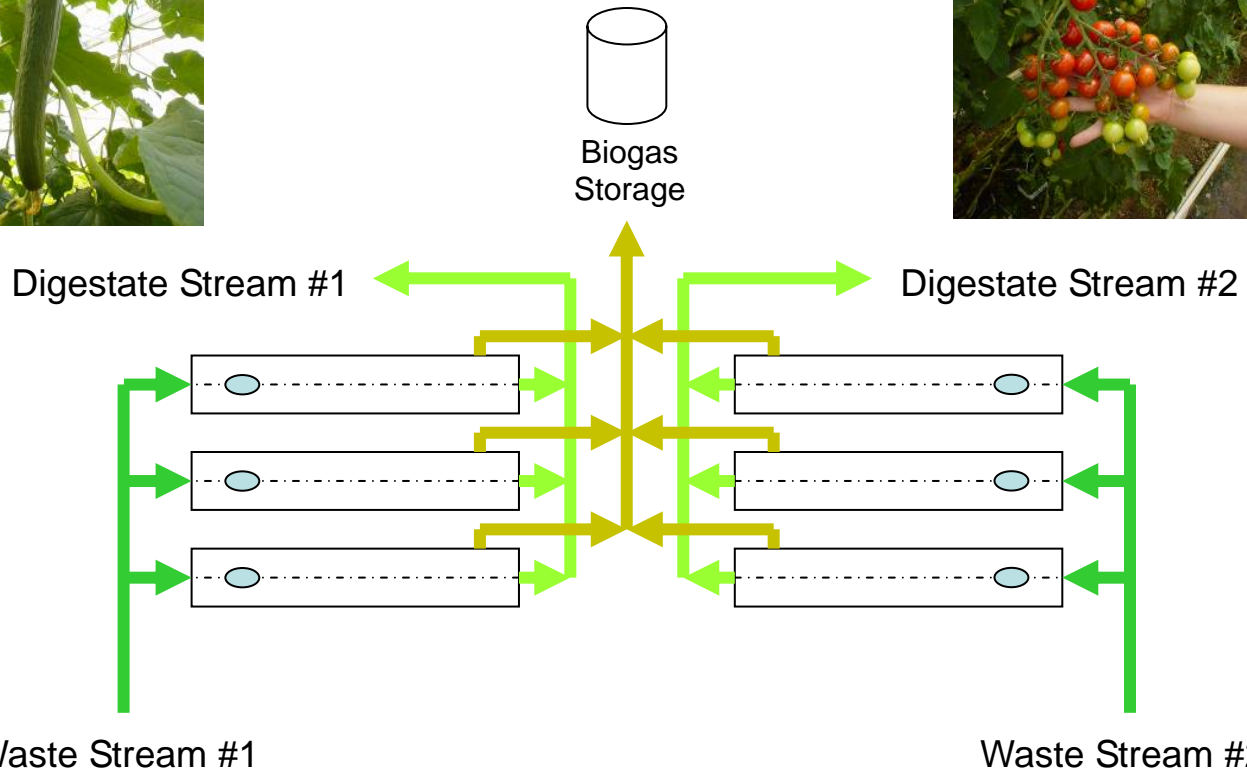
## *A Waste To Energy Solution*

High protein organic waste can be converted directly into energy through anaerobic digestion. ZWES has developed a unique small-scale anaerobic digestion system that is used to convert food and beverage wastes into biogas, with the residual organics acting as an ideal binder in the engineered fuel process.



**Methane Production 70% Plus!**  
**Virtually 100% Pathogen Kill!**  
**Hydraulic Retention Time of 4 to 5 Days!**

# Anaerobic Digestion



ZWES' Anaerobic Digester is a *horizontal, thermophilic* biological reactor that operates at 55 degrees Celsius. System features include:

- Improved gas quality and yields with higher solid destruction rates ensuring pathogen destruction.
- Shortened Hydraulic Retention Time (HRT), processing material 66% faster than mesophilic systems.
- The system is designed to reduce thermal parasitic loads and increase the overall efficiency of the system to over 90% by capturing heat generated from a co-generation system or boiler .
- Self-cleaning digester via sloped design and internal agitation.
- Feed stocks can be processed and digested separately with biogas collected in a central location.
- Plant design can be easily scaled to meet increasing requirements - one digester at a time.
- Digesters can be shipped on standard low-bed tractor trailer without the use of an escort.

[www.zwes.ca](http://www.zwes.ca)

**Head Office**  
6074 Shawson Drive  
Mississauga, Ontario  
Canada, L5T 1E6  
Tel. (905) 266-0314  
Fax (905) 362-1356

**Manufacturing**  
245 Industrial Parkway S.  
Aurora, Ontario  
Canada, L4G 3V5  
Tel. (905) 266-0314  
Fax (905) 893-5624

**USA**  
460 Eagle Drive  
El Paso, TX 79912-5810  
Tel. (915) 584-5729  
Fax (915) 581-3713



**USA**  
152 McCarty Rd.  
Jackson, MS. 39212  
Tel. (601) 372-4452  
Fax (601) 502-1784

