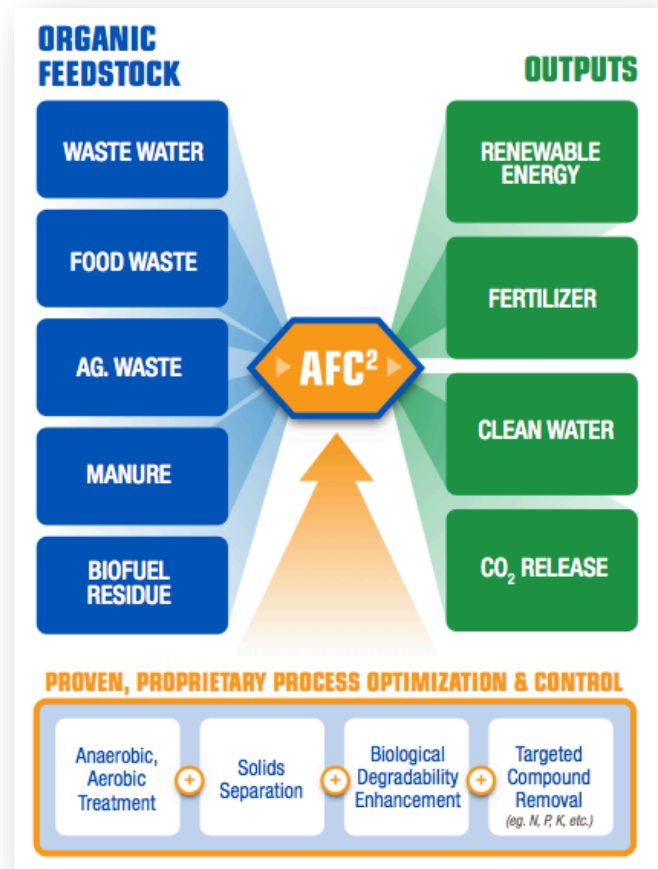


Sales Sheet: BioConversion Solutions

Advanced Fluidized Co-Digestion & Co-Generation (AFC²) Technology

Overview

AFC² is a biomass-to-renewable energy conversion process with industry leading efficiency and yield. AFC² is based on the BioConversion Solutions' proven AFC (Advanced Fluidized Composting) process that has been implemented in numerous plants worldwide to completely eliminate sludge. An optimized, continuous flow process, AFC² efficiently converts most organic feedstock into renewable energy (methane or lipid oils), fertilizer, clean water, and carbon neutral CO₂ as shown in the figure on the right.



Benefits

- More profitable than alternative processes
- Up to 90%+ conversion efficiency using optimized anaerobic digestion and mechanical biodegradability enhancement
- Mesophilic operation for greater process stability and control
- Can produce multiple forms of renewable energy
- Converts most organic feedstocks
- Produces concentrated fertilizer materials: N-P-K (nitrogen, phosphorous, and potassium) as a valuable byproduct
- Generates minimal or no residuals
- Produces clean water for safe discharge or reuse

