

Brief Description of our Technology in a Waste-to-Energy Solution

Waste-to-energy (WtE) essentially means using waste materials as a fuel source to generate energy. It's also known as Recycled Energy, or Energy Recovery. WtE plants burn municipal solid waste (MSW), often called *garbage* or *trash*, to produce steam in a boiler, and the steam is used to power an electric generator turbine. Our unique technology and process accomplishes that using a variety of waste materials – MSW, coal fines, landfills, medical waste, woody biomass, agricultural waste, including sargasso, and even scrapped tires. It's the oldest, most efficient, and lowest cost method of generating electricity.

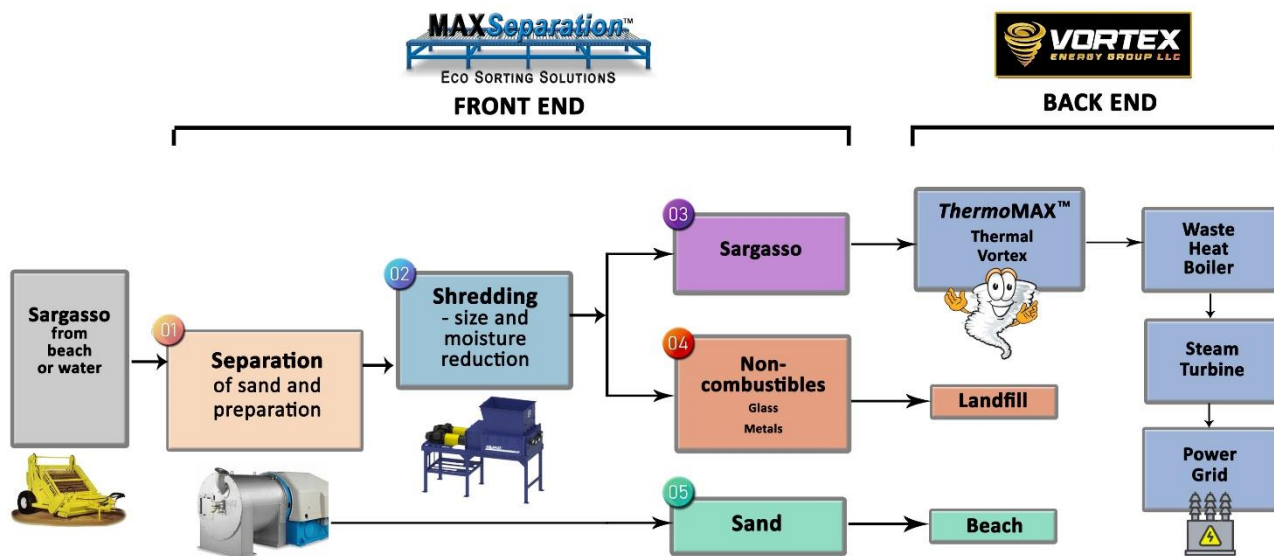
And there is **no** technology in the world even close to our patented technology.

Capacity: up to 4 tons/hour for our **ThermoMAX3™** and up to 8 tons/hour for our **ThermoMAX6™**

Operating temperature range: 1,800°F to 2,200°F, typical around 2,000°F

Turbulence: 90 mph tornado (vortex), rated as an F1 on the tornado scale

Innovative sargasso separation/sorting & processing



- 01 The MSW delivered to the plant is being extensively sorted into four waste streams
- 02 25-30% of the MSW is biodegradable, which is shredded and pneumatically conveyed into the vortex unit
- 03 40-45% of the MSW is other waste materials, which is shredded and pneumatically conveyed into the vortex unit
- 04 15-25% of the MSW is residue or inert materials, which is delivered to a landfill as dry material
- 05 10-15% of the MSW is recyclable materials, which is separated and sold to the market