

Revise	Incineration	Thermal Decomposition
Oxygen Present	High	Low
Temperatures needed	Very high 1200 C minimum	Medium 550-600 C
Process	Single stage, uncontrolled combustion with large chamber and tall exhaust chimneys	Two-stage -thermal decomposition plus separate combustion in small chambers, short chimneys
Agitation of Waste	Severe much particulate	No, next to no particles
Energy Inputs	High to create heat needed, thus reducing its energy efficiency	Very little and the gas produced is used in the 2 nd stage of our process
Size of plants	Very large	Small to large as needed
Residue	20-25% toxic residue, creating dioxins and furans	3-5% inert residue
Appropriate for	Large Cities or centralized waste treatment	Communities of all sizes
Construction Cost	Begins in the hundreds of millions of euros	Begins at 5 million euros