



Waste to Energy Municipal Solid Waste Incineration Power Plant

ENGINEERING SOLUTIONS FOR OUR ENVIRONMENT, INDUSTRY AND COMMUNITY



Incineration is a waste treatment process that involves the combustion of organic substances contained in waste materials.[1] Incineration and other high-temperature waste treatment systems are described as "thermal treatment". Incineration of waste materials converts the waste into ash, flue gas, and heat. The ash is mostly formed by the inorganic constituents of the waste, and may take the form of solid lumps or particulates carried by the flue gas. The flue gases must be cleaned of gaseous and particulate pollutants before they are dispersed into the atmosphere. In some cases, the heat generated by incineration can be used to generate electric power.

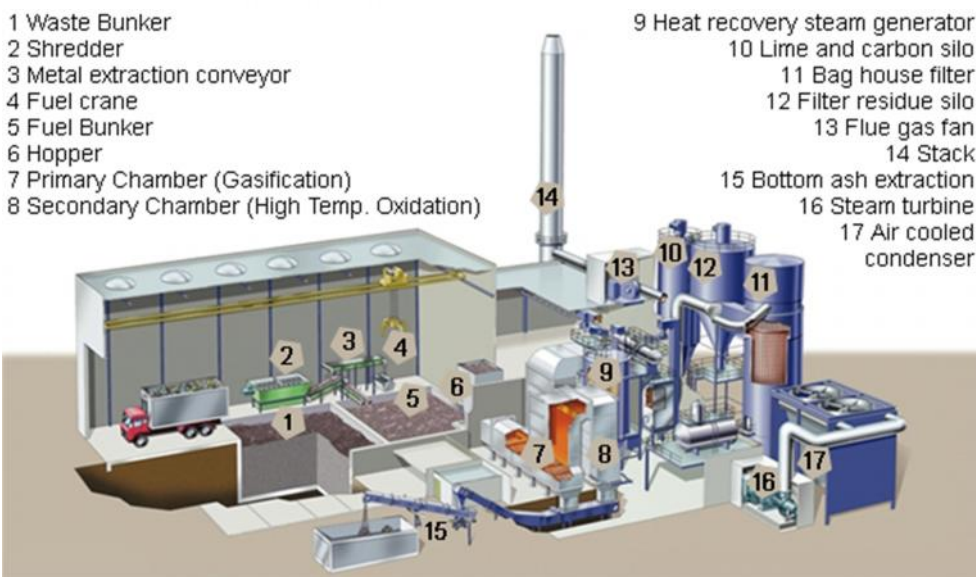
Waste can be a source of fuel in incinerators and thermal heat energy generated from the combustion is used to produce steam and drive a turbine to generate green electricity.



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The heat produced by an incinerator can be used to generate steam which may then be used to drive a turbine in order to produce electricity. The typical amount of net energy that can be produced per tonne municipal waste is about 2/3 MWh of electricity and 2 MWh of district heating. Thus, incinerating about 600 metric tons (660 short tons) per day of waste will produce about 400 MWh of electrical energy per day (17 MW of electrical power continuously for 24 hours) and 1200 MWh of district heating energy each day. PT. Centra Rekayasa Enviro in cooperation with China Tianying Inc have committed to become the number 1 leader in providing Waste to Energy – Municipal Solid Waste Incineration Power Plant system in Indonesia.



We design the incineration power plant based on the data provided by our customer.

Kindly contact us at info@cr-enviro.com for more information on waste to energy inquiries.