

INCINERATOR SYSTEMS

THERMOENGINEERING provides a wide range of advanced Incinerator Systems classified according to the waste fluid type:

- > Incinerator for waste gas flow only
- > Incinerator for waste liquid flow only
- > Combined Incinerator for waste gas and liquid flow



1

Incinerator is a device which uses combustion to convert waste to a less-bulky, less-toxic or less-noxious material.

Thermoengineering is specialized in the design of incinerators for liquid or gaseous waste, both for chemical and petrochemical fields, with or without heat recovery.

Each particular type of incinerator is equipped with one or more dedicated burners, designed by Thermoengineering to suit the specific application:

- > Natural Draft Burner
- > Forced Draft Burner
- > Low NO_x Burner

The most used burner type is a forced draft type which ensures better functionality and minimum NO_x emission.



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[1] Vertical Incinerator // Client: Agip // Place: Bronte (Italy)

[2-3] Thermal Oxidizer // Client: Aramco // Place: Khursaniyah (Saudi Arabia)

[4] Thermal Oxidizer // Client: TPL // Place: Maracaibo (Venezuela)

The combustion chamber and the vertical stack are thermally insulated by means of an internal layer, made of cement or bricks, in order to maintain the essential temperature inside the incinerator system.

Waste Gas Incinerator, in many applications, can be combined with an Emergency Elevated Flare that automatically can be switched in case of emergency.



[5] Thermal Oxidizer (Vertical Incinerator) // Client: OMV // Place: Korneuburg (Austria)

[6] Waste Gas Incinerator // Client: Pasargadoil Co. // Place: Arak (Iran)

[7] Incinerator // Client: Nesteoil // Place: Finland

[8] Incinerator // Client: Oiltanking // Place: Republic of Singapore