



Solid Waste Management Complex

From Collection to Sorting, to
Incinerating and Ash Disposal –
an Environmentally Friendly Solution



From the front-door to the incinerator and not the land fill in a clean and socially as well as culturally responsible manner.





Sorting of waste, recycling and safe disposal of hazardous waste are part of the waste management cycle that creates jobs and ensure a safe and clean environment.



Santes Incinerator System



OPERATION PERIOD: 8 - 24 HRS/DAY - 7 DAYS / WEEK
PRIMARY COMBUSTION CHAMBER TEMPERATURE: 900 °C
SECONDARY COMBUSTION CHAMBER TEMPERATURE: 1200 °C
SECONDARY COMBUSTION CHAMBER RESIDENCE TIME: 2 SECS.

THE SYSTEM IS FREE FROM DUST, ODOR, NOISE ETC.
EQUIPPED WITH FLUE GAS TREATMENT SYSTEM; COMPLY WITH EUROPEAN STANDARTS

WASTE REDUCTION EFFICENCY IS 97% MINIMUM.

DIESEL, LPG, FUEL OIL OR NATURAL GAS CAN BE USED AS FUEL.

THE SYSTEM IS EQUIPPED WITH OPTIONAL AUTOMATIC LOADING AND ASH REMOVAL MECHANISMS.

ENERGY CAN BE RECUPERATED AND IS USED IN THE GENERATION OF HOT WATER, STEAM, SUPERHEATED WATER, ETC.

COMBUSTION EFFICENCY IS 99.99%.

SPARE PARTS ARE EASILY ACCESSED AND MAINTENANCE IS EASY.

OPERATIONAL HANDICAPS ARE ELIMINATED THANKS TO PLC (PROGRAM LOGIC CONTROL) SYSTEM ALL UNITS.

FLUE GAS TREATMENT IS ACHIEVED BY MEANS OF DRY OR WET FILTERING UNITS. EUROPEAN EMISSION STANDARTS ARE MET; HARMFUL GASSES ARE CAPTURED IN THE GAS FILTERING UNIT.



Ash Pit

Incinerator System Complete with Sorting Building



Design-Built of complete solid waste management complexes ensuring environmentally sound disposal of waste free of landfills and associated environmental hazards



Away from residential areas, yet a compact solution for their comfort and health



Office Buildings, fuel and water tanks, electric power source – all in one system



THE FOLLOWING TYPES OF WASTE ARE DESTROYED BY INCINERATOR

- MEDICAL WASTE
- DOMESTIC WASTE
- ANIMAL CARCASS WASTE
- AIRPORT WASTE
- WASTEWATER SLUDGE
- MUNICIPAL WASTE
- ORGANIC AND INORGANIC WASTE
- PACKAGING WASTE (CELLULOSE AND PVC)
- OIL WASTE



Various Types of Specialized waste Incinerators are designed, installed and operated

50 Kg/hr Medical Waste INCINERATION System



1 ton/hr Capacity Animal Waste INCINERATION Plant



500 Kg/hr Capacity Airport Waste INCINERATION System With Flue Gas Treatment