

WASTE TO ENERGY: RECEIVING, DOSING, PNEUMATIC TRANSPORT PLANT WITH RELATED ENVIRONMENT PROTECTION SYSTEM FOR RDF/BIOMASS

RDF/BIOMASS CO-FIRING PLANT



Waste To Energy (WTE) is a common expression to indicate the use of "Different Fuels" as Energy Source: the scope is the production of Thermal and/or Electric Energy through the simultaneous combustion (Co-Firing) of these "Different Fuels" (i.e. RDF, SUW, Biomass, etc.) with "Conventional Fuels" (i.e. Coal) in Furnaces.

RDF/Biomass applications require a small Plant for the Receiving, Dosing and Handling of materials in order to convey these solid fuels for the Receiving Zones to the Furnace.

The Plant is mainly composed of:

- Receiving Zone;
- Mechanical Transport System to the Dosing System;
- Dosing System;
- Pneumatic Transport System to the Furnace;
- Environment Protection System.

One of more important part of this Plant is represented by a Mobile Platform (Skid) in which we have installed the Dosing System, the Pneumatic Transport System and the Electrical Box. The Skid is realized with Steel Profiles and has dimensions that allows its transport, by truck, whenever it may be necessary.

The Plant is designed with modular composition and expansible according to the Customer's specific requirements.



Belt Weighfeeder



Screw Extraction System



Skid – Composed of Dosing System, Pneumatic Transport System and Electrical Box



View of Receiving, Dosing and Pneumatic Transport Plant