



Integrated waste management system of the Versilia region,
Italy.
Waste to energy plant.

Pietrasanta (LU) - Italy



The integrated waste management system of the Versilia region is composed of a sorting and RDF production plant in the Municipality of Massarosa (Lucca) and of a waste-to-energy plant in the Municipality of Pietrasanta (Lucca), for a total capacity of 140.000 tons/year.

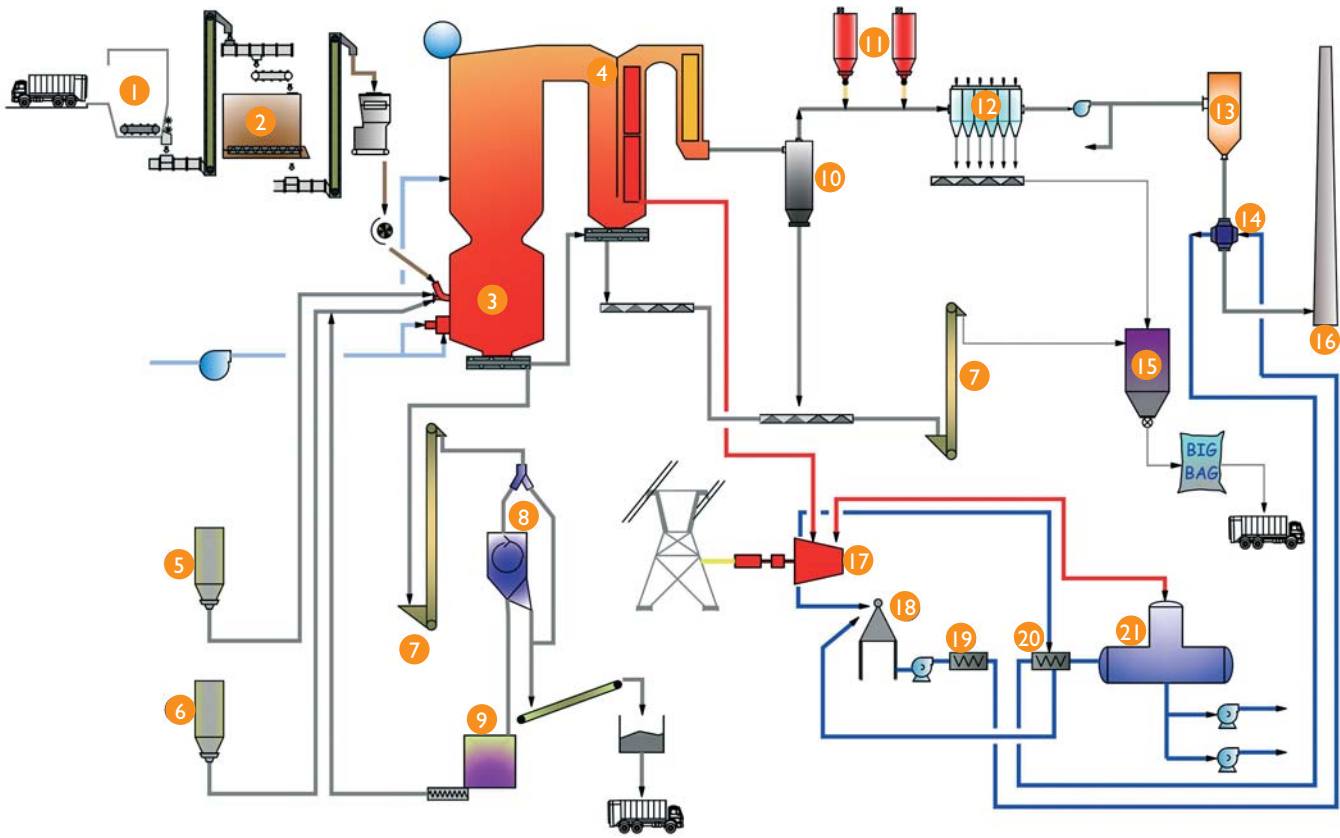
The waste to energy plant uses a fluidised bed boiler system for the combustion of RDF produced in the sorting plant located in the neighbouring Municipality of Massarosa (Lucca).

TM.E. built the entire plant on a Project Financing basis.



Energy and waste division





Legend

- 1 RDF unloading hopper
- 2 RDF fluff silo
- 3 Fluidized bed
- 4 Boiler
- 5 Dolomite silo
- 6 Sand silo
- 7 Bucket type elevator
- 8 Screen
- 9 Sand recirculation container
- 10 Cyclone
- 11 Activated carbon and bicarbonate silos
- 12 Baghouse filter
- 13 Scrubber
- 14 Condensated flue gas exchanger
- 15 Dust and fly-ash storage
- 16 Stack
- 17 Turbo-generator
- 18 Air condenser
- 19 Screw exchanger
- 20 LP exchanger
- 21 Deaerator

Main data of the plant

Number of lines	2
Total throughput	170 tons/day
Energy recovery	6 MWe



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