



Waste to energy plant

## Granarolo dell'Emilia (BO) - Italy

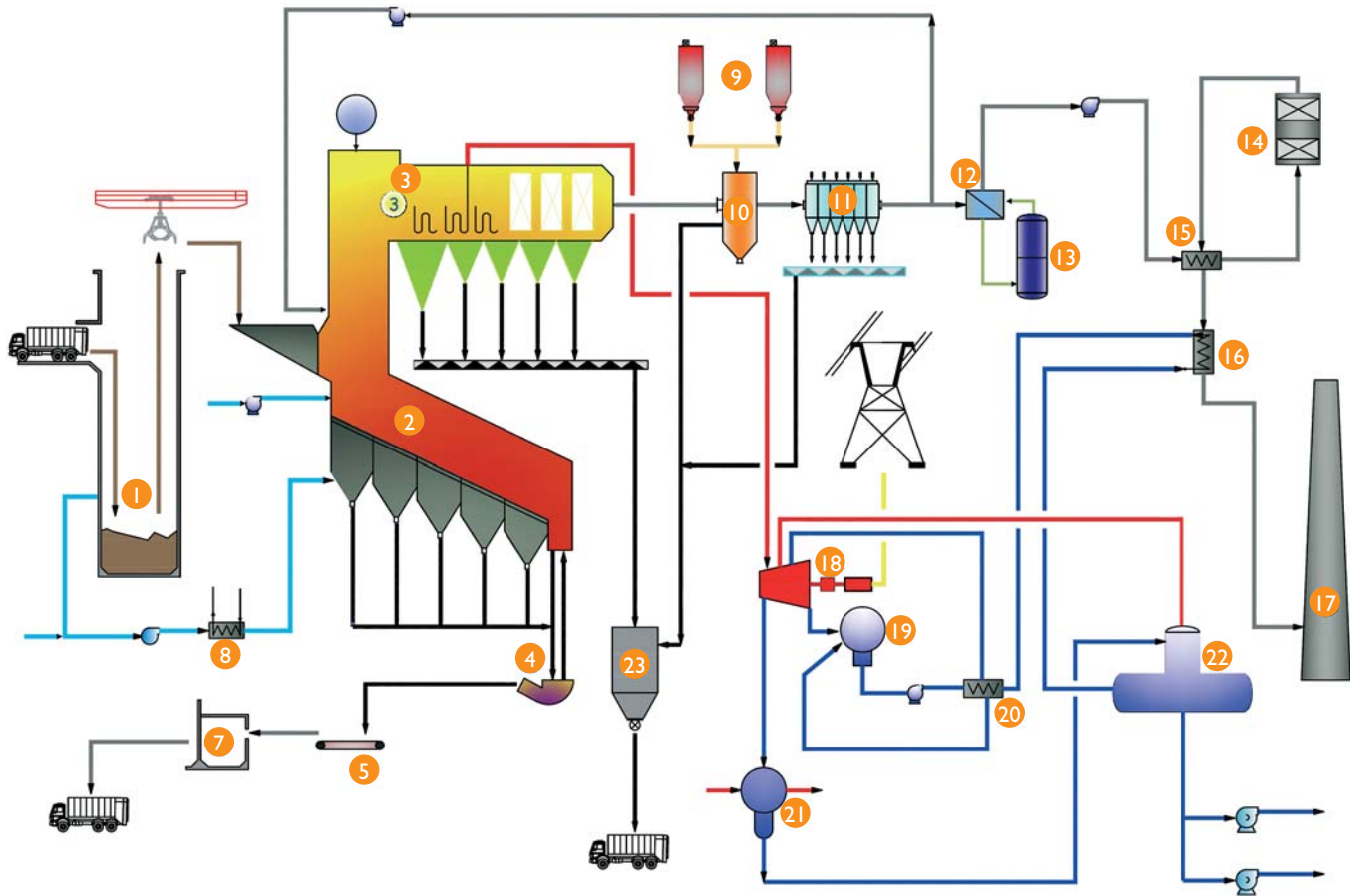


The Waste to energy plant of Granarolo dell'Emilia has been installed for the disposal of the municipal solid waste of the Province of Bologna. The plant, consists in two identical lines with a total throughput of 660 tons/day. Both flue gas treatment lines are equipped with a SCR (selective catalyst reactor) for NO<sub>x</sub> removal.



Energy and waste division





**Legend**

- ① Waste pit
- ② Furnace
- ③ Boiler
- ④ Slag extractor
- ⑤ Vibrating table
- ⑥ Ferrous separator
- ⑦ Slag/ferrous parts storage
- ⑧ Preheater
- ⑨ Hydrated lime and activated carbon silos
- ⑩ Reaction tower/quencher
- ⑪ Baghouse filter
- ⑫ Gas/gas exchanger
- ⑬ Scrubber
- ⑭ SCR reactor
- ⑮ Secondary gas/gas exchanger
- ⑯ Condensate/gas exchanger
- ⑰ Stack
- ⑱ Turbo-generator
- ⑲ Water-cooled condenser
- ⑳ LP exchanger
- ㉑ Remote heating exchanger
- ㉒ Deaerator
- ㉓ Dust storage

**Main data of the plant**

Number of lines	2
Total throughput	660 tons/day
Energy recovery	22 MWe



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