



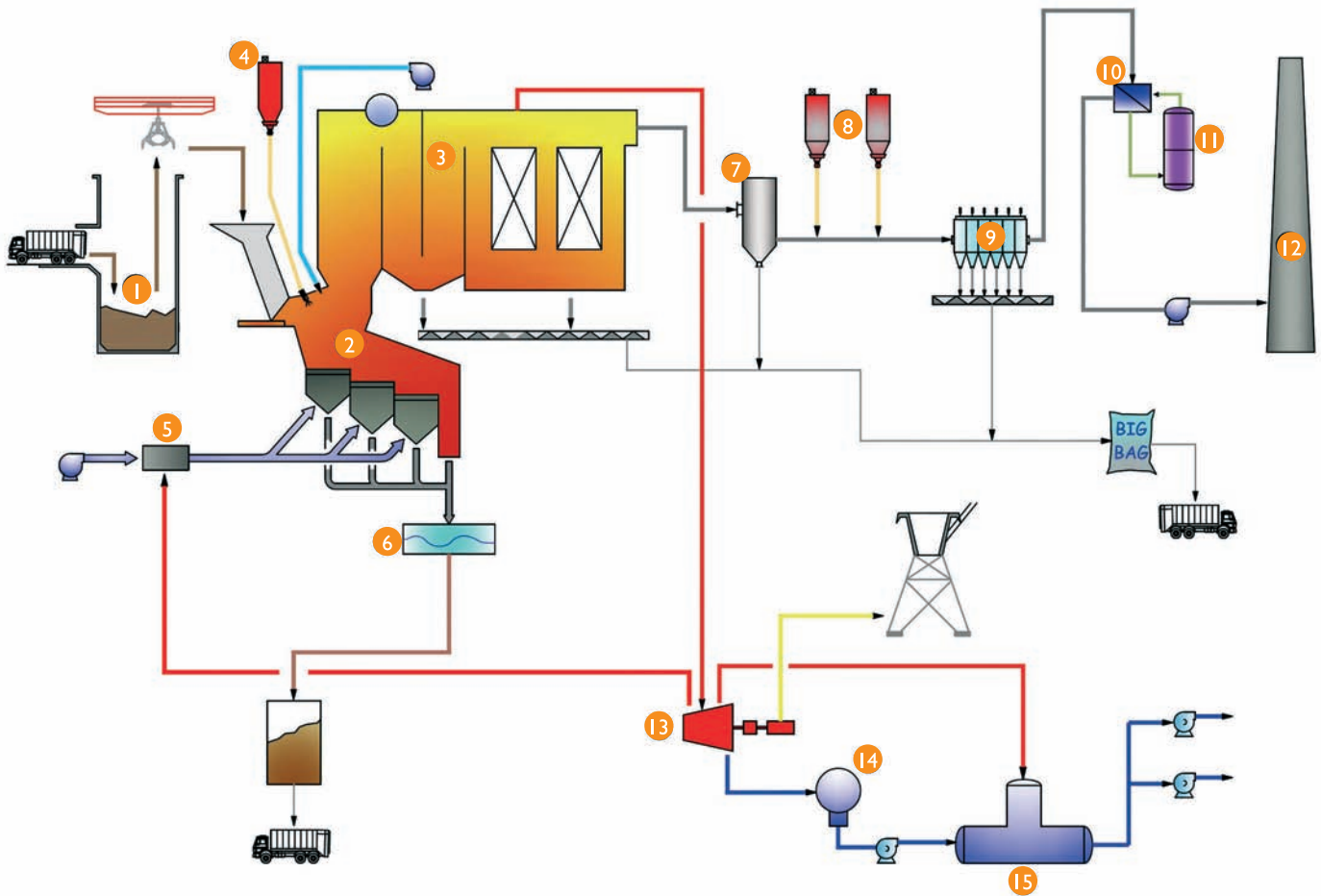
Waste to Energy plant

## Cagliari, Italy

The Waste to Energy plant of Cagliari is installed within the TECNO CASIC Industrial Consortium. TM.E built a third line contiguous to the two former lines using the existing MSW pit and infrastructures.

A new thermal cycle and turbine for the new line have been made using a section of the existing building. There will be the possibility of feeding the existing turbine with the steam of this new line.





### Legend

- 1 Waste pit
- 2 Furnace
- 3 Boiler
- 4 Urea silo
- 5 Air pre-heater
- 6 Slag extractor
- 7 Conditioning tower
- 8 Activated lime and carbon silo
- 9 Baghouse filter
- 10 Gas/gas exchanger
- 11 Scrubber
- 12 Stack
- 13 Turbine
- 14 Water-cooled condenser
- 15 Degasser

### Main data of the plant

Number of new lines	1
MSW continuous maximum capacity	8.80 t/h a 8.37 MJ/kg
Steam characteristics	39 bar, 390° C
Continuous maximum steam production	6.9 kg/s
Feed water temperature	130° C
Electric power produced	4.58 MWe



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