



Integrated waste management system for Calabria Sud, Italy. Facilities for the Sorting of MSW and for the Recycling of Selected waste.

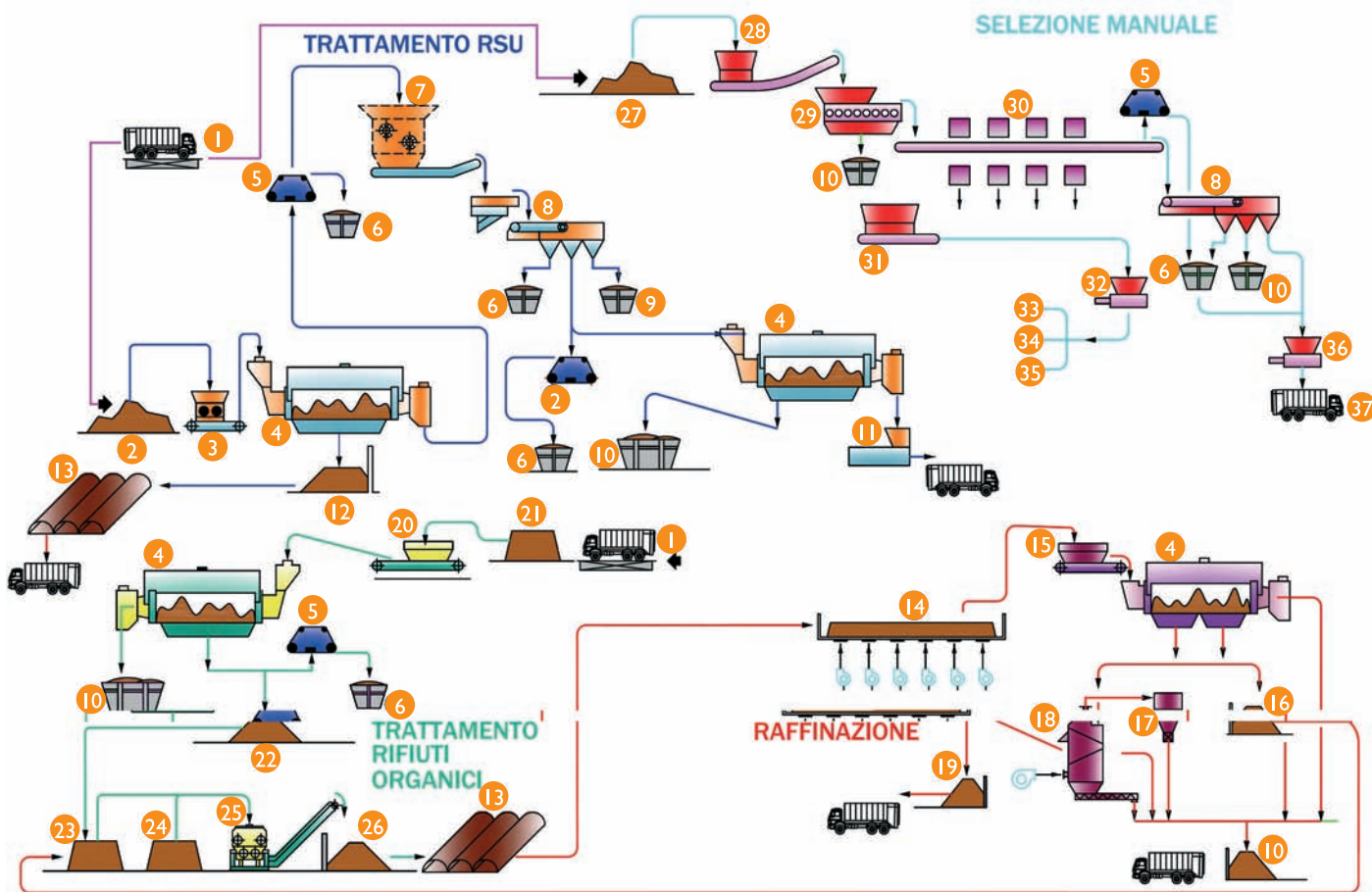
## Crotone, Italy

The waste management system of the Calabria Region, Italy, is composed of a Waste to Energy plant in the Municipality of Gioia Tauro (RC), and of five Sorting, Composting and RDF production plants in the Municipalities of Reggio Calabria, Gioia Tauro, Siderno, Crotone and Rossano Calabro, for a total treatment capacity of 411.000 t/year of MSW.

TME was awarded the contract on Project Financing basis.

**In this network of facilities, the plant of Crotone for the sorting of MSW and the recycling of selected waste can handle 75,000 ton/year of MSW.**





The plant is located in the Industrial pole of the Municipality of Crotone and can receive and treat 50,000 ton/year of MSW and manage 25,000 ton/year of waste deriving from selected waste collection.

**Legend**

- 1 Weigh bridge for trucks
- 2 MSW reception and storage
- 3 Bag opening
- 4 Drum screen
- 5 Removal of ferrous metals
- 6 Sorting of ferrous metals
- 7 Shredder
- 8 Eddy current separator
- 9 Collection of ferrous parts
- 10 Scrap
- 11 RDF stationary press
- 12 Organic MSW fermentation
- 13 Biotunnel
- 14 Maturation bay
- 15 Clod-breaker, feeder, batcher
- 16 Recycle
- 17 Cyclone
- 18 Vibrating separator
- 19 Compost
- 20 Organic RD feed belt
- 21 Organic waste to be treated
- 22 Treated organic waste
- 23 Recirculation and recycle material
- 24 Selected organic waste
- 25 Shredder-mixer
- 26 Organic RD mixed to biotunnel
- 27 Selected waste
- 28 Disc screen
- 29 Manual selection station
- 30 Manual selection station
- 31 Conveyor belt
- 32 Paper-plastic press
- 33 Compressed paper bales
- 34 Compressed carton bales
- 35 Compressed plastic bales
- 36 Press for metals
- 37 Bales of ferrous parts

**Main data of the plant**

MSW average hourly treatment capacity	20 t/h
MSW yearly treatment capacity	50.000 t/y
Yearly stabilisation capacity of organic MSW	20.000 t/y
Capacity of RD dry waste treatment line	15.000 t/y
Capacity of the RD organic waste composting line	10.000 t/y



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