



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

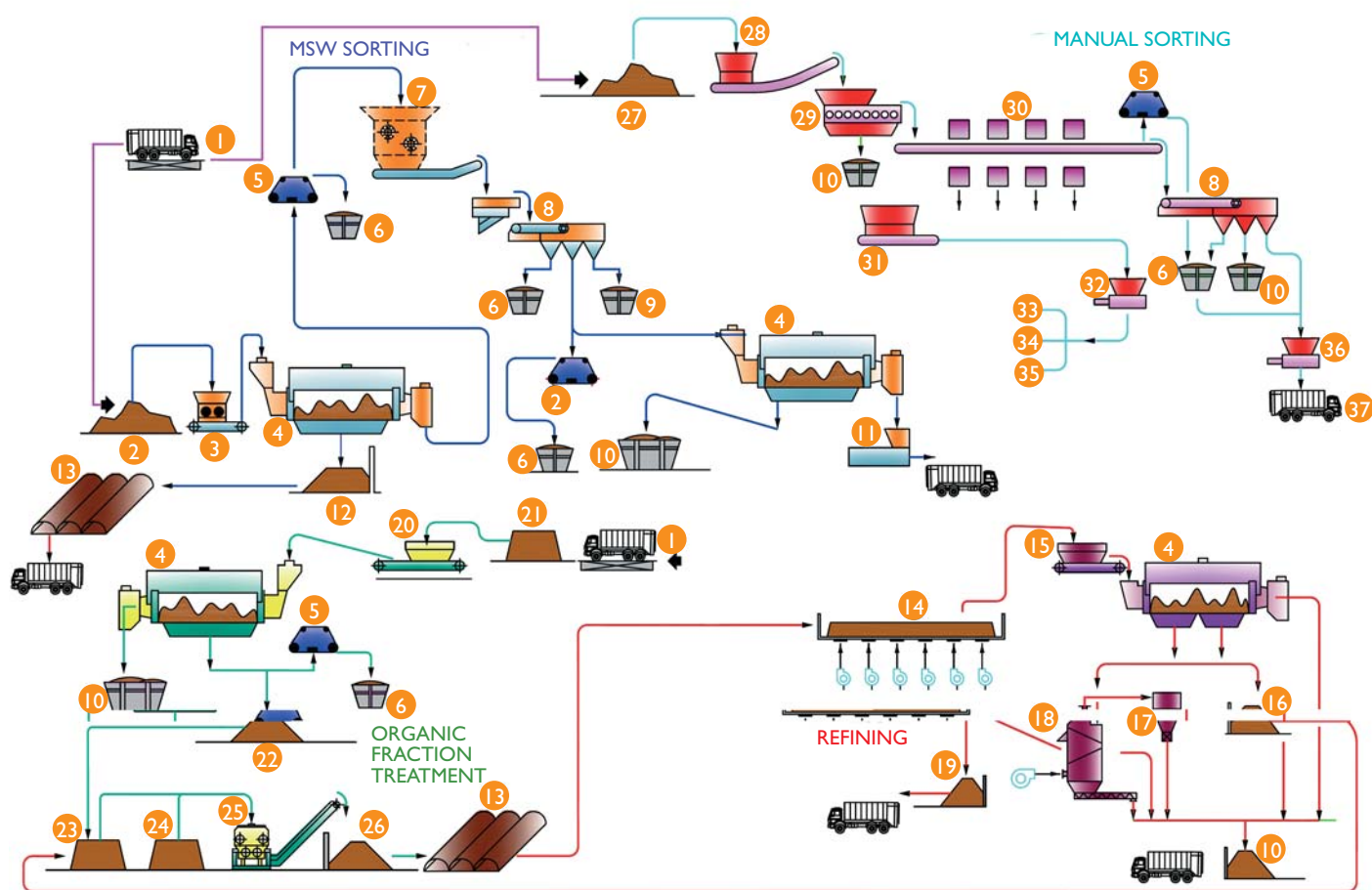
Crotone (KR) - Italy

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 tons/year of MSW. TME was awarded the contract on Project Financing basis.



Energy and waste division





The plant is located in the Industrial area 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 | 25 Shredder-mixer |
| 2 MSW reception and storage | 26 Organic RD mixed to biotunnel |
| 3 Bag opening | 27 Selected waste |
| 4 Drum screen | 28 Disc screen |
| 5 Removal of ferrous metals | 29 Manual selection station |
| 6 Sorting of ferrous metals | 30 Manual selection station |
| 7 Shredder | 31 Conveyor belt |
| 8 Eddy current separator | 32 Paper-plastic press |
| 9 Collection of ferrous parts | 33 Compressed paper bales |
| 10 Scrap | 34 Compressed carton bales |
| 11 RDF stationary press | 35 Compressed plastic bales |
| 12 Organic MSW fermentation | 36 Press for metals |
| 13 Biotunnel | 37 Bales of ferrous parts |
| 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 | |

Main data of the plant

MSW treatment capacity	50.000 tons/y
Stabilisation capacity of organic fraction from MSW	20.000 tons/y
Capacity of RD dry waste treatment line	15.000 tons/y
Capacity of the RD organic waste composting line	10.000 tons/y



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