



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

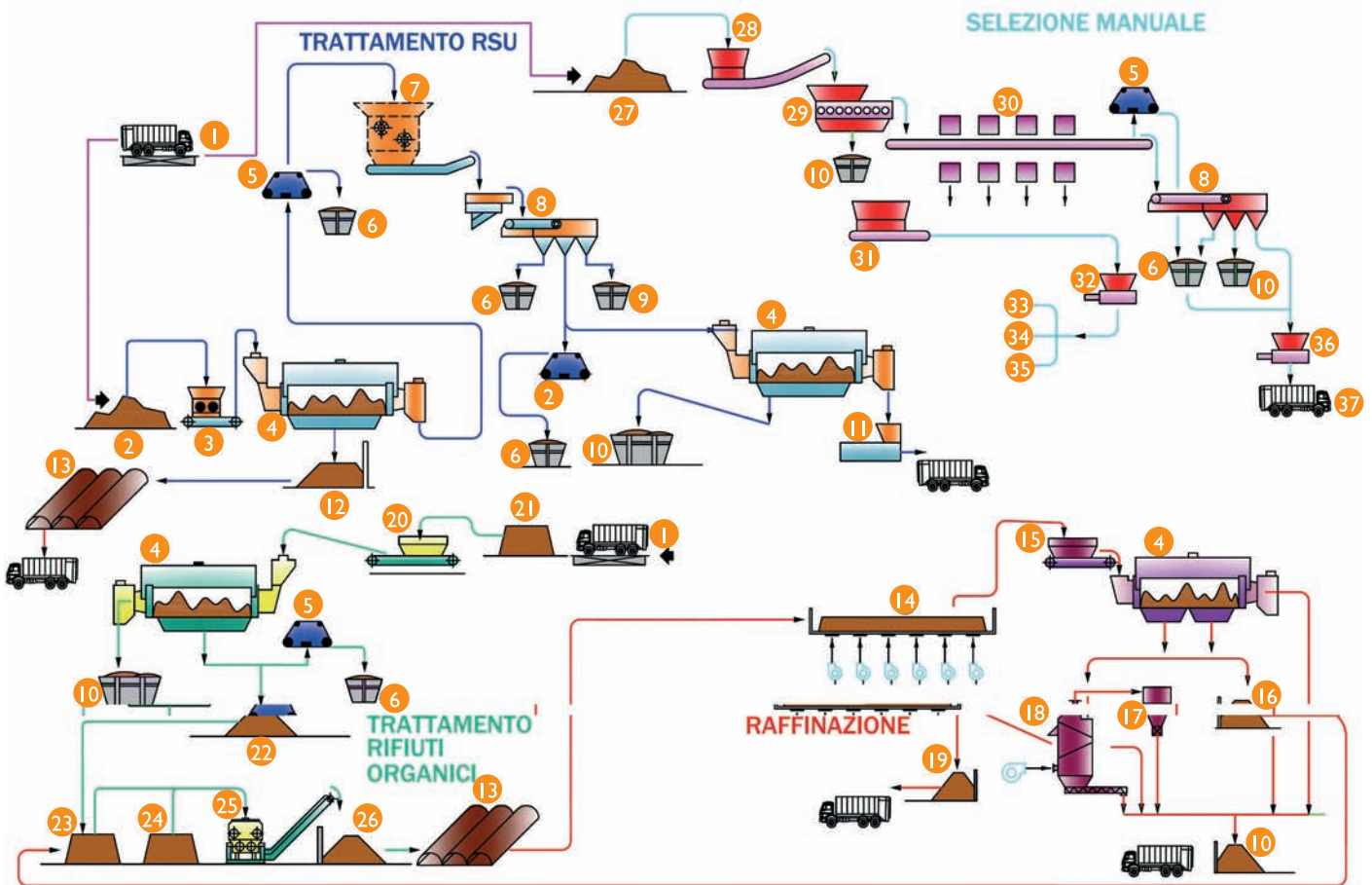
Siderno, Italy

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, Crotona 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 Siderno for MSW sorting and recycling of selected waste can treat 85,000 ton/year of waste.





The plant is located in the proximity of Fiumara Novito, the natural borderline between the Municipalities of Siderno and Locri.

Legenda

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|-----------------------------------|--------------------------------------|
| 1 Weigh bridge for waste trucks | 25 Shredder mixer |
| 2 Waste reception and storage | 26 Organic RD mixed in the biotunnel |
| 3 Bag opening machine | 27 Selective waste sorting material |
| 4 Drum screen | 28 Conveyor belt |
| 5 Sorting of ferrous metals | 29 Disc screen |
| 6 Collection of ferrous material | 30 Manual selection cabin |
| 7 Shredder | 31 Conveyor belt |
| 8 Eddy current separator | 32 Paper-plastic press |
| 9 Sorting of non-ferrous material | 33 Paper bales |
| 10 Scrap | 34 Carton bales |
| 11 RDF stationary press | 35 Plastic bales |
| 12 Organic fraction from MSW | 36 Metal press |
| 13 Biotunnel | 37 Bales of scrap metal |
| 14 Maturation area | |
| 15 Clod-crusher, feeder, batcher | |
| 16 Recycle | |
| 17 Cyclone | |
| 18 Vibrating separator | |
| 19 Compost | |
| 20 Organic RD conveyor belt | |
| 21 Organic waste to be treated | |
| 22 Treated organic waste | |
| 23 Recycle | |
| 24 Selected organic waste | |

Main data of the plant

MSW average hourly treatment capacity	20 t/h
MSW yearly treatment capacity	40.000 t/y
Stabilisation capacity of organic fraction from MSW	16.000 t/y
RD organic waste composting line capacity	27.000 t/y
RD organic waste composting line capacity	18.000 t/y



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