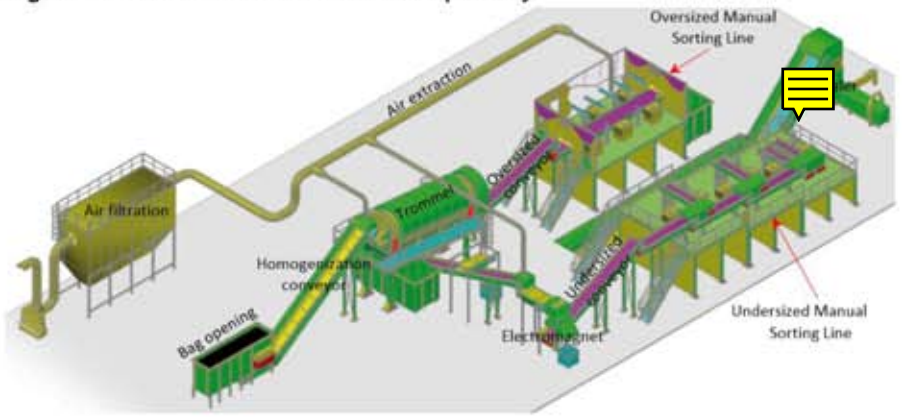


# Design of sorting and compost plants

EDESSA was commissioned by MAN Enterprise to prepare the design of a sorting and compost plant for the Caza of Jbeil. The project started by a study of the waste quantities and composition and a detailed study of the site where the facility will be built. The facility is designed to receive 100 Tons of waste per day.

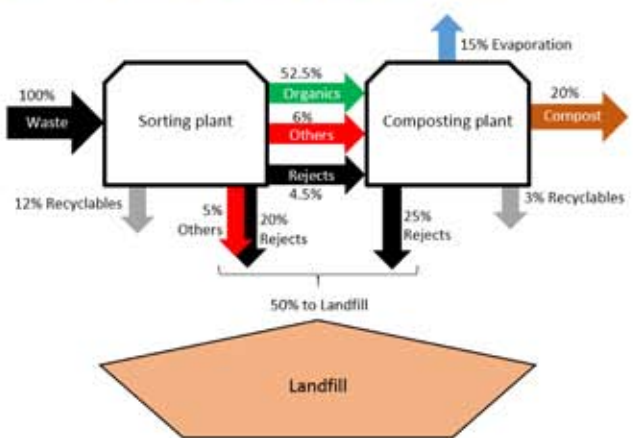
The sorting plant included:

- Receiving area,
- Bag opening,
- Size separation trommel
- Conveyor belts
- Manual sorting lines
- Electro-magnets
- Baler
- Shredder



The compost plant will be based on tunnel composting technology.

The design included a detailed material flow analysis at each stage of both plants and the dimensioning of the individual proposed equipments. It also included the preparation of specifications, contacting potential suppliers and budgeting the project construction and operation phase. A target diversion rate from the landfill was set at 50% after full-scale implementation with an intermediate 12 to 15% target for recyclable collection.



CLIENT:

