

REVAMPING SALICETI PLANT OWNED BY RECOS COMPANY (WDF RECOVERY)

CATEGORY

Waste management efficiency and recycling (Waste collection and sorting upgrades)

LOCATION



DESCRIPTION

The plant is reserved for the treatment of unsorted, non-dangerous urban waste for transformation into fuel to be used in the production of alternative energy. The plant was subject to revamping, leading to positive environmental effects. The WDF production cycle entails mechanical-biological type processes which do not involve the use of heat or chemical substances and/or preparations. The process is sub-divided into 3 phases:

Phase 1: receipt of the unsorted waste

Phase 2: biostabilisation of the waste

Phase 3: WDF refining and production.

As regards the incoming quantities of urban waste, the plant makes it possible to:

- transform a significant portion of urban waste into WDF to be used in energy production plants;
- select a portion of urban waste (about 3%) for the recovery;
- reduce the quantities of outgoing waste compared to incoming waste, due to the biostabilisation process, which entails evaporating the wet components.

The applied technology is bio-oxidation in biocells and WDF production and has a capacity of 85,000 tonnes/year.

AMOUNT

Full project amount (€ millions)	Financed amount (€ millions)
7.7	7.3



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2017	2018	2019	2020	2021	2022
Waste-derived fuel (WDF) per operating year	t	7,886	2,585	16,523	9,429	29,811	29,811
WDF on total treated waste per operating year	%	10%	5%	32%		29%	29%