



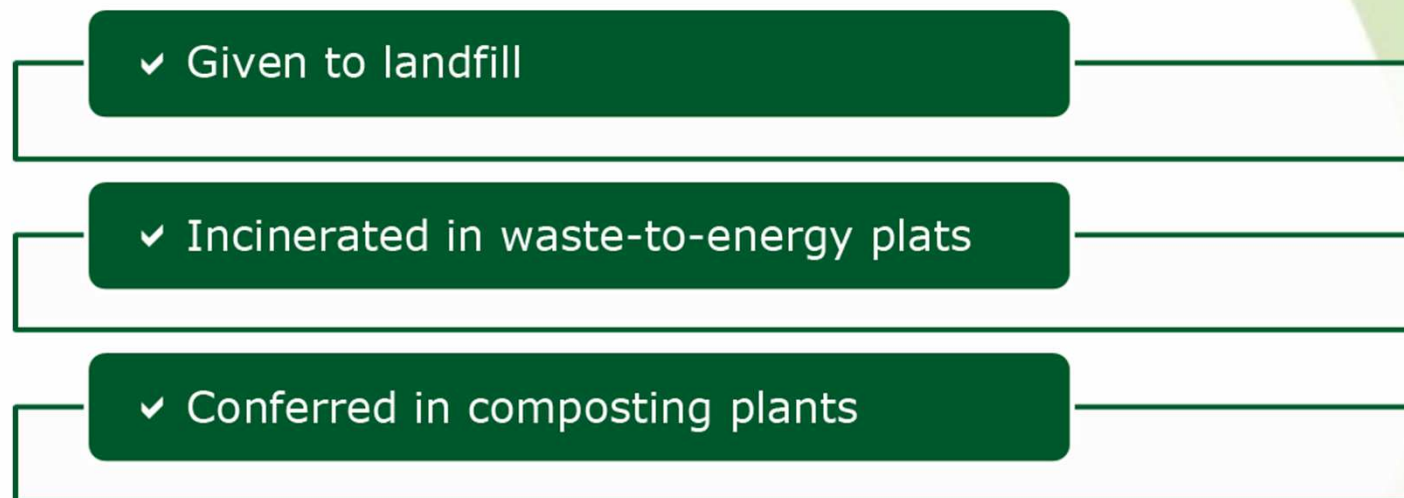
FREE WASTE

Accelerated demolition of organic waste
and transformation into resources

Fast Recycling Energy Environmental

Problems management for organic waste

- The waste organic in modern societies, is a problem.
- It is thought above all of disposal. The organic waste, in particular is:



The damage of bad management

✓ **environmental damage**



✓ **damage to health**



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ENVIRONMENTAL DAMAGE

- The organic waste unloaded in landfill create leachates that infiltrate the subsoil contaminating the aquifers, causing serious damage to land, crops and polluting the water used for human and animal



- Moreover, the inhabitants of the neighboring areas are forced to live with smelly and harmful fumes

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Damage to health

- The nano-particles released by the incineration of waste, by unanimous evaluation of the scientific world, through breathing are harmful, as they potentially develop tumors, to people or animals.
- The earth, the rivers, and the seas that receive daily quantities of waste return uncultivable fields, polluted air and foods loaded with heavy metals (lead, zinc, cadmium, etc.)

Composting installations

- Composting installations do not solve the problems of **contaminants** and **pollutants** present in organic waste.
- The waste, in fact, is left in "maturation" for a certain number of months and then it is introduced into the production cycle and into the market as it is.
- The waste transformed into compost presents inside presence of: **plastic, glass, heavy metals**, etc..

The vision

- The new conception of organic waste, on the other hand, must be the one that imagines it as a resource.

The waste must be **recycled** and **reused**.

- The Free Waste s.r.l. intends to use urban and extraurban organic waste as a resource to obtain through a

fast demolition

(about 3/4 days)

usable products.



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Mission

- through a system already tested in a prototype, and economically convenient, Free Waste S.r.l. is able to obtain the following resources from organic waste:
 - ✓ Highly biological compost as it is free of heavy metals (cadmium, copper, zinc etc.) and can be modified in the title with nitrogen, phosphorus and potassium
 - ✓ Bio-plastic
 - ✓ Ethanol
 - ✓ Other utilities, currently being tested

A more ecological future

- Free Waste s.r.l. the ambitious target is to create a virtuous cycle between waste and resources. This will no longer be necessary:
 - ✓ deduct products necessary for human consumption (sugar cane, corn, etc.) for fuel production
 - ✓ build incinerators or landfills
 - ✓ pollute the earth and water with non-biodegradable plastics
 - ✓ use chemical fertilizers that deplete the land, change the natural balance and are harmful to human health
 - ✓ use contaminated compost



FREE WASTE

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