



FUEL SUPPLY

Manure, silage, cuttings, organic waste



DESCRIPTION

Métha-Garoterie is a project that brings together several partners united in the common goal of realising a plant to make the best use of effluent, agricultural by-products and organic waste from the territory, at the same time generating green energy.

The incoming material is treated using a **Bioaccelerator** to homogenize the ration and increasing the surface area of degradation of the fibres; this pre-treatment allows an increase in productivity. For the separation of the organic part from waste substrates (packaging, aggregates, boxes, trays, yogurt pots, etc.) a technology called

Bioseparator is used. The pasteurization unit ensures the sanitary quality of the biomass that enters the plant thanks to heating for 1 hour at 70°C.

The separation between the liquid and solid fractions allows the use of finer digestate as a **soil conditioner** and **fertilizer** and to recirculate the liquid fraction while eliminating odours from the spreading. The number of farms participating in the operation, in exchange for their contribution in terms of input supply, will benefit from a return to them of digestate.



BIOGAS USE

Production of biomethane to supply the grid



VALORISATION OF THERMAL ENERGY

Tank heating and pasteurization



DIGESTATE USE

Spreading in fields as an organic fertilizer