

Plant size: 500 kWel + 500 Sm³/h biomethane



FUEL SUPPLY

100% organic waste and industrial food processing waste



DESCRIPTION

The plant is designed to **receive 60.000 tons per year of food waste and clippings**. After the pre-treatment modules and the fermenters for anaerobic digestion, a membrane purification system was engineered and developed: the latter allows the transformation of biogas into biomethane and to introduce it directly into the national gas grid. This allows the valorisation of the biogas produced with maximum efficiency and reduces CO₂ emissions to a minimum.

BIOGAS USE



Electricity production

Upgrading and production of biomethane for direct supply to the grid

VALORISATION OF THERMAL ENERGY



Heating of fermentation tanks

Upgrading unit and pasteurization system

DIGESTATE USE



Production of 50.000 tonnes per year of pasteurized liquid fertilizer