

2021

Jessup, MD

Plant size: 1.100 kWel + 1.105 Sm³/h biomethane



SUPPLY

125.000 t/y of food waste, FOG and other organic waste



DESCRIPTION

The plant is located at the Maryland Food Center, home to one of the largest industrial and logistical areas of the agri-food sector in the region and is able to process up to **125.000 tonnes per year of organic by-products (waste from fruit processing and vegetables, meat, baked goods, oil and fats, etc.) and wastewater from the food industry.**

The plant produces a **quantity of biomethane** equivalent to the needs of **4.800 homes.**



USE OF BIOGAS

Production of biomethane for supply to the grid and automotive fuel.



VALORISATION OF THERMAL ENERGY

The thermal energy produced is used to heat digesters and the surplus sold to third parties



USE OF DIGESTATE

Nitrogen recovery and water purification thanks to a semipermeable membrane technology, partial reuse of purified water in industrial processes