MARYLAND BIOENERGY CENTER

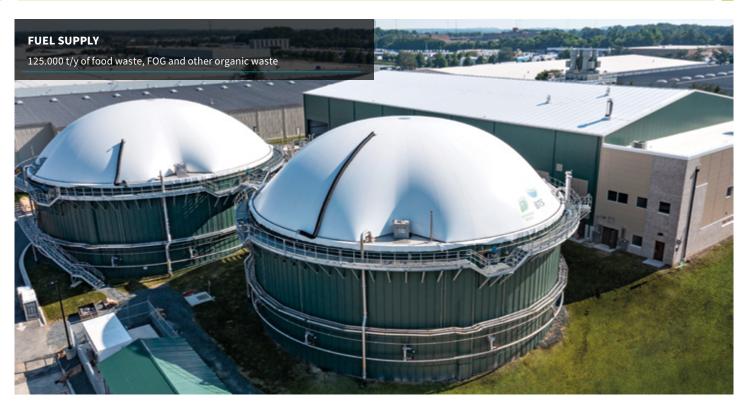


2021

Jessup, MD

Plant size: 1.100 kWel + 1.105 Sm³/h biomethane





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**.



BIOGAS USE

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



DIGESTATE USE

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