



THE BIOMETHANE CENTER OF CHANTONNAY, FRANCE, IN THE INDUSTRIAL ZONE OF PIERRE BRUNE – Inaugurated May 2019

(Xebec Biogas Upgrading System 2019)

This biogas to biomethane project for agricultural and agro-alimentary waste is built on a former landfill that extends over 2.1 hectares. Its biomethane production represents an annual gas consumption of 18,000 households. The 30,000 tonnes/year of substrates involved in the process is a mixed source of 65% agricultural waste, 30% agro-food waste, and 5% community waste. 6,000 m³ of digestate are distributed over 2 digesters to ensure a constant supply (50+ days) of organic matter, allowing optimal degradation.

250 Nm³/h of biomethane will be continuously injected into the GRDF gas network. 20 farms are partners in this venture, and they will benefit from a 3,000-hectare fertilizer spreading plan. In addition, this plant is supplied with electricity by its own photovoltaic system installed on the roofs of buildings. Once amortized, the solar panels will reduce the electricity cost by 30%.

(photos by Pascale Leopold)



