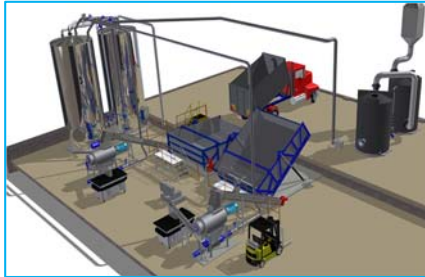


ANAEROBIC DIGESTION FACILITY

WASTE PRE-TREATMENT



ORGANIC WASTE AND SLUDGE TREATMENT

LOCATION

Saint-Hyacinthe, Quebec, Canada

CLIENT NEEDS

This pioneer city in Quebec set up an anaerobic digestion facility that had to efficiently pre-treat the waste from nearby industries and businesses. The City had to make sure the incoming waste (packed vegetables, yogurt containers, etc.) was prepared to optimize transformation into biogas and reuse of the digestate for agriculture.

CHALLENGE

Dealing with different types of incoming waste, the City had to select a treatment chain that would allow it to achieve its transformation and reclamation objectives.

DESCRIPTION

A waste pre-treatment chain with an annual capacity of approximately 50,000 tons was designed to prepare the organic matter for digestion. Mabarex also supplied screw presses for dewatering of the digestate prior to reuse for agriculture.

EQUIPMENT

- Reception bin
- Hybag™ hammer mills
- Conveyors
- Biofilter (odour)
- Self-cleaning screen
- Screw press for dewatering of digestate (at wastewater treatment plant)

SERVICES

- System design
- Complete supply of equipment
- Complete installation of equipment
- Start-up
- Technical assistance