



Case study 09

BEST

Organic Waste Treatment Centre Using Biomethanization

The Montréal-Est Biomethanization Plant processes up to 60,000 tons of organic waste each year. The facility converts food and green waste into renewable natural gas supplied to the local grid, enough to power around 3,600 households.



Client: EBC, on behalf of Suez Canada and the City of Montréal
2019–2025



Climate and Energy

Converts organic waste into renewable natural gas supplied to the local energy network, producing enough energy to serve approximately 3,600 households

Reduces carbon emissions by avoiding landfill disposal and long-distance waste transport
LEED Gold certification currently in progress



Circular Economy and Materials

Processes up to 60,000 tons of organic waste per year, diverting food waste from landfill

Captures and reuses waste heat from on-site equipment to reduce overall energy demand

Designed to accommodate future combined heat and power systems



Operations and Environmental Control

Fully enclosed and controlled processing areas designed to contain odors and protect nearby communities

Clear separation of pre-treatment, digestion, and gas purification stages to support safe and efficient operations



Community and Urban Integration

Green roof and reflective surfaces reduce heat buildup and help manage rainwater

Thoughtful site planning balances industrial operations with environmental performance