Lowell
Lowell, MI, USA

avus 800
Biogas

Fast Facts:

Location: Lowell, MI, USA
Generating Capacity: 800 kW
Configuration: Container Module

About the Site:

This $6 million anaerobic digestion facility will generate 800 kilowatts of affordable and renewable energy for Lowell Light and Power, the city-owned electrical utility. This project was designed and is managed by Sustainable Partners LLC (Spart).
The new plant will use an anaerobic digester to convert the organic waste materials into methane gas.

Application

2G Energy Inc. manufactured, supplied, and installed a modular 800 ekW/h Biogas to Energy Conversion System for their project. The scope of supply from 2G Energy Inc. included a containerized 2G avus 800 with fully integrated MWM gas engine having an Electrical Power rating of 800 ekW/h or 6,640 MW p.a., and a Thermal Power capacity of 921 kWh/th.
Selecting a complete containerized CHP system to be positioned inside the building was a much more cost-effective and economical solution compared to the initial idea to install an open genset-type engine and then to custom build an on-site CHP system with engine room. The modular container solution is always much cheaper. 2G Energy Inc. also supplied a gas compression system, the thermal distribution, as well as the entire control and utility grid interconnection switchgear technology.

2G. Combined Heat & Power.

2G Energy Inc.
www.2g-energy.com
sales.us@2-g.com