

Ensuring Compliance and Smooth Operation for Biogas Facilities

Troubleshooting and Field Service for Biogas Systems

Biogas systems at industrial manufacturing sites are necessary for EPA compliance and can also provide cost savings if the reclaimed gas is used for fuel. However, we frequently find that while the intentions of specifying and installing a system are good, the implementation at the plant level can be less than ideal. Cross hears frequently that “an engineer at HQ” designed the system and had it installed but it’s either not working properly or it worked for a while but now isn’t. What’s missing is troubleshooting and field service to either dial in the system correctly or repair it and get it back online.



Cross has worked with two manufacturers recently which illustrate our capabilities for field servicing and troubleshooting biogas systems.

Operation 1: Snack Food Manufacturer

The first, a snack food manufacturer, contacted Cross when their biogas system stopped working. Cross technicians went in, cleaned out the sludge in the system and replaced the ignitor on the flare system. We also rebuilt their back pressure regulator and replaced numerous parts on their control panels to get them running again and in full EPA compliance.

Preventing Unexpected Downtime

Operation 2: Poultry Rendering Plant



We also worked at a poultry rendering plant which had a system which had never really worked correctly since installation. There was a bubble over their digester but as the flare was not burning off the excess methane, the bubble was expanding to the point of potential failure. Cross technicians replaced the ignitor, cleaned out the control panel and replaced a few parts and had the plant up and running again in a day. Cross is now performing quarterly inspection and preventative maintenance at the facility to ensure efficiency and compliance.