



TECH NOTE

INCREASE REVENUE WITH LOCI'S PRODUCTS AND SERVICES

Loci Controls—The Leader in Automated Landfill Gas Collection

Loci Controls is the leader in automated landfill gas collection. Our products provide remote wellfield monitoring and control through a cloud-based software application that maximizes the collection of landfill gas. The Loci Controls' gas collection algorithm can be customized to maximize methane flow, subject to meeting user-specified gas composition specifications.

Our product and service line is based upon wellhead-mounted hardware, a cellular data connection, and a web-based algorithm and analytics platform for real-time monitoring and remote LFG control. Our hardware includes gas composition analysis (CH₄, CO₂, O₂, and balance gas), flow, LFG temperature, and differential pressure, as well as either active flow control or passive header monitoring.

CONTROLLER: The Controller is wellhead-mounted hardware with Loci's highest performance sensor package that remotely monitors differential pressure, flow, LFG temperature, barometric pressure, CH₄, CO₂, O₂, and balance gas (calculated; N₂ and trace gases), capable of delivering control precision down to tenths of a percent. The Controller also features automated, precision controlled, ball valves that regulate flow at every well based upon Loci's control algorithm to maximize methane flow. **Applicability:** Higher flowing wells at LFG to high BTU projects.

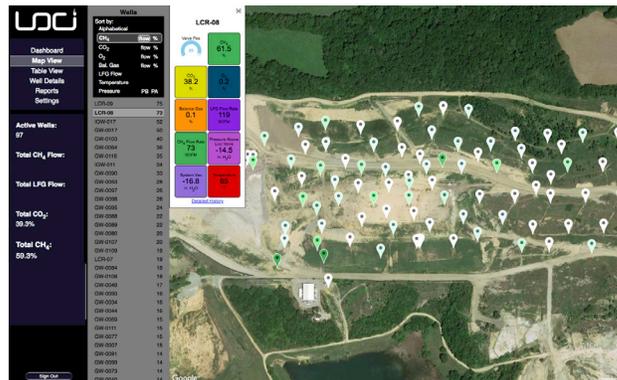
GUARDIAN: The Guardian is wellhead-mounted hardware with an onboard sensor package that remotely monitors differential pressure, flow, LFG temperature, barometric pressure, and gas composition, capable of delivering precision down to the percentage point. The Guardian has similar capabilities as the Controller, but is designed for low flow wells at LFG to high BTU projects, or LFG to electric operations. **Applicability:** Lower flow (less than 15 scfm) LFG to high BTU collection wells, or LFG to electric operations.

SENTRY: The Sentry is header-mounted hardware with an onboard sensor package that remotely monitors LFG temperature, gas composition, and system vacuum. The Sentry also can incorporate as inputs plant Gas Chromatograph, Flow Meter, or Precision (ppm) Gas Concentration Meters. The Sentry integrates plant level data as part of Loci's control system to use real-time feedback on aggregate gas composition and make batch valve adjustments in the wellfield. **Applicability:** All LFG to high BTU projects where precision gas composition thresholds are required for nitrogen, oxygen, or inlet or outlet gas BTU. The Sentry can also be used at header locations where gas collection is aggregated from collection wells in a section of a landfill, or just upstream of the plant or flare.

WELLWATCHER® 2.0 PLATFORM

Our cloud-based analytics platform is accessible 24/7/365 by desktop, laptop, or tablet.

Loci WellWatcher user interface allows for remote monitoring and control, and provides users with a performance dashboard, map view and table view interfaces, as well as real-time reporting - all designed to help operators increase gas collection system efficiency, improve profitability of LFG to Energy projects.



WHY LOCI CONTROLS?

With financial, operational, environmental, health, and safety benefits, Loci Controls' products and services help optimize facility management and gas collection for operators and landfill owners alike.



INCREASE REVENUE

- Maximize methane flow
- Control N₂ in the wellfield
- Automated valve adjustments
- Better collection system efficiency
- Reduce plant downtime



INCREASE PRODUCTIVITY

- For both plant and employees
- Lower labor costs for wellfield tuning and O&M
- Reduce plant maintenance costs



REDUCE ENVIRONMENT HEALTH & SAFETY RISKS

- Reduce man hours spent in wellfield
- Reduce fugitive gas emissions
- Reduce odors

