Advanced Leak Detection for Renewable Gas Production
A Case Study

ABB’s HoverGuard solution efficiently identified methane leaks in a Nebraska-based LLC’s landfills, leading to customer satisfaction and plans for further surveys.

Measurement made easy

Customer Background
A Nebraska-based LLC specializes in developing, managing, and operating the collection, treatment, production, storage, and distribution of biofuels from renewable gases sourced from landfills, feedlots, and other locations. This company serves targeted markets and ensures efficient biofuel production. As an existing ABB customer, they have multiple NGC8200 series units in operation.

The Challenge
The customer required methane (CH4) measuring capabilities to efficiently scan large areas of land. Despite having a strong relationship with ABB, they had not previously utilized ABB’s hoverguard survey service, presenting a challenge in market penetration for this new technology and service.

The Solution
While servicing the NGC8200 units, ABB’s Field Service Engineer, Mitchell Scott, introduced the customer to ABB’s advanced leak detection services. Intrigued by the capabilities, the customer decided to purchase the Advanced Leak Detection Services to survey two landfills using the HoverGuard solution, which offers fast surveying and live data capturing. The survey was completed in September.

The Benefit
The survey conducted in September 2022 identified a leak in one of the two landfills. The customer was extremely pleased with the thoroughness of the survey and the detailed data provided. As a result, they have expressed their intention to schedule another round of surveys once the repairs and corrective actions identified in the first survey are implemented.

Conclusion
ABB’s HoverGuard solution successfully met the customer’s need for efficient and comprehensive methane leak detection. The positive outcome of the survey has strengthened the partnership between ABB and the customer, paving the way for further collaboration and demonstrating ABB’s capability to deliver innovative and effective solutions in the biofuels market.