



ENHANCING LANDFILL GAS CONTROL WITH INNOVATIVE INTEGRATED COVER AND SHALLOW GAS COLLECTION TECHNOLOGY

JULY 21, 2026

SWANA FLORIDA SUMMER CONFERENCE

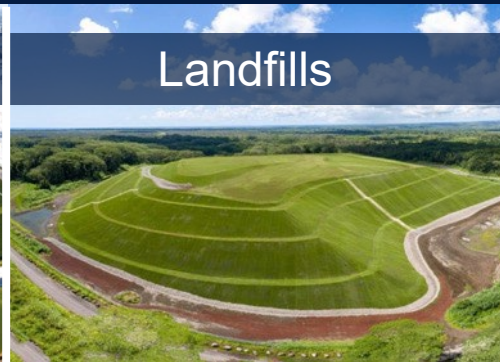
Jake Pope, PE

Gulf Coast Region Director, Watershed Geo



WHO WE ARE

- Innovation and Technical Expertise is at our Core
- Expertise: Geosynthetics, Landfill Design, Geotechnical Engineering, Hydraulic Engineering, Renewable Energy, and Construction
- Controlling interest held by Shaw Industries, A Berkshire Hathaway Company



Innovative Geosynthetic Containment and Erosion Systems for Critical Infrastructure

OUR TECHNOLOGIES



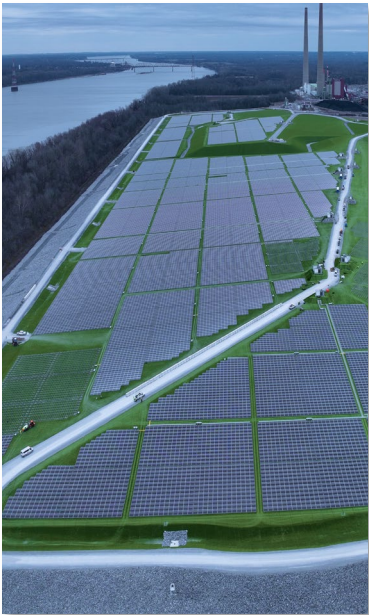
The only final landfill cover solution that provides a predictable benchmark of performance.



An advanced revetment technology for high hydraulic shear protection



A patented, revolutionary solar system for landfills and impoundments



An aesthetically pleasing intermediate cover for landfills designed to last up to 20 years

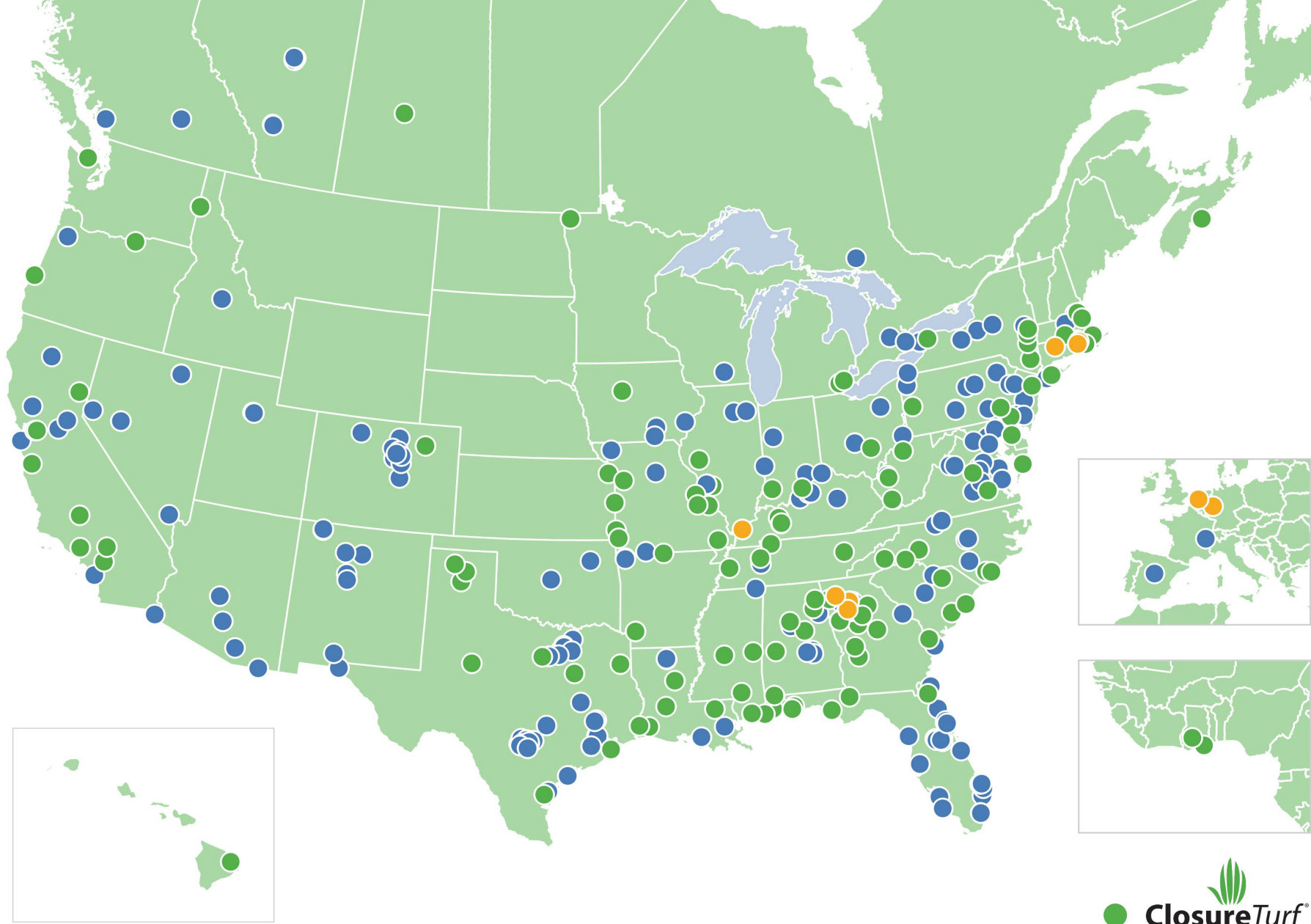


A cost-effective, all-in-one wind resistant transitional landfill cover system



A gas collection system that enhances environmental protection while improving LFG collection





**6,000+
Acres**

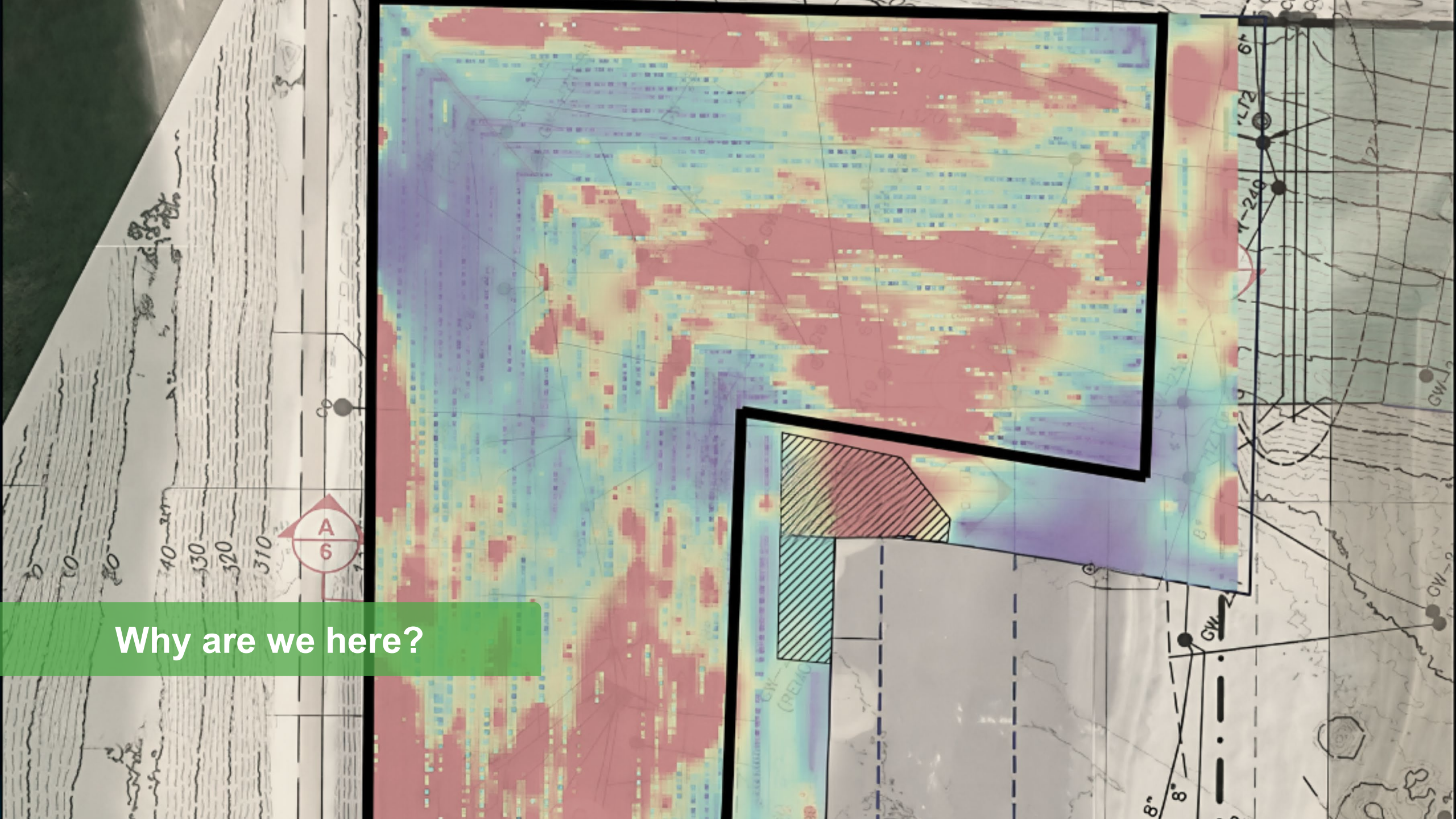
**500+
Projects**

**40+
States**

7 Countries



Why are we here?





EPA data estimates maximum efficiency of deep wells at around 80%

A research paper published in Science Advances shows that gas collection efficiencies average just 38% (range from 5 – 90%)

U.S. Landfill Biogas Market 2020 - 2025

3 – 4% annual growth in operating facilities

5 – 6% annual growth in biogas capture capacity

RNG share doubled 19% - 40%



Electrical Generation

Direct Use

RNG (Pipeline or Vehicle Fuel)

An aerial photograph of an industrial facility, possibly a refinery or chemical plant. The image is split diagonally. The upper right portion shows the actual facility with complex piping, storage tanks, and structural steel. The lower left portion is a dark, semi-transparent overlay. In this dark area, a smokestack is visible at the bottom left, emitting a large, billowing plume of white smoke or steam that rises and spreads towards the center of the image. The word 'Opportunity' is written in white, sans-serif font in the upper right, and the word 'Compliance' is written in the same font in the lower left.

Opportunity

Compliance



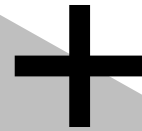
MORE GAS RECOVERY, FAST



TRANSITIONAL COVER SYSTEM



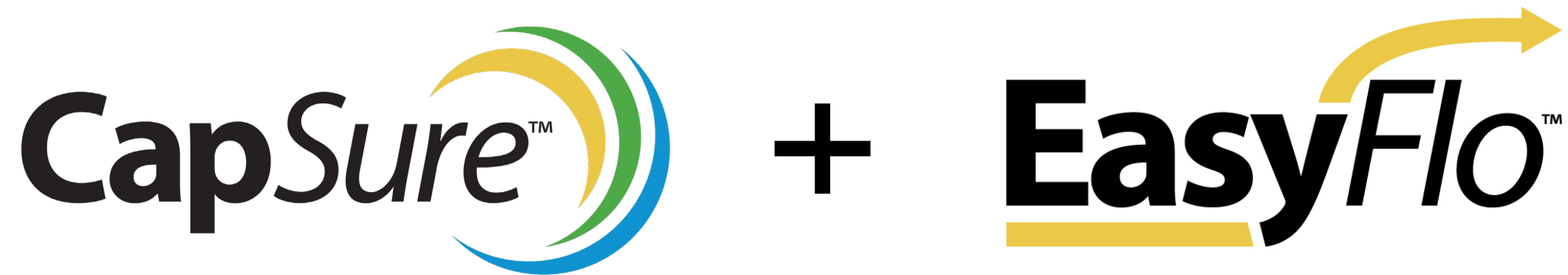
MORE GAS RECOVERY, FAST



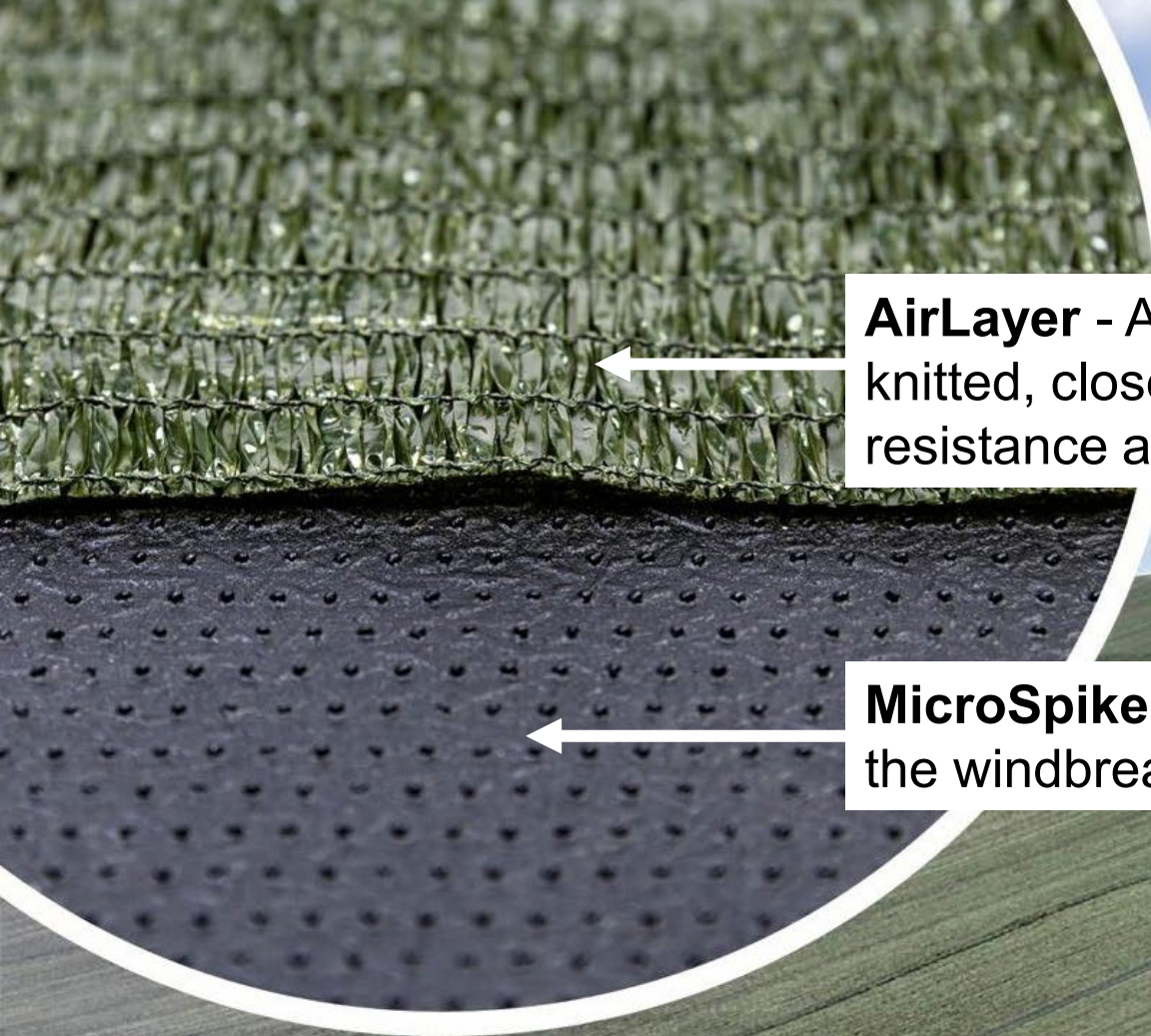
CapSure & EasyFlo working together as a system:

- Surface and Edge Control.
- Addresses Odor Control and Compliance Issues.
- Increases Gas Collection or Recovery for RNG Facilities.

TRANSITIONAL COVER SYSTEM



A cost-effective, all-in-one wind resistant
transitional landfill cover system.



AirLayer - A UV-resistant geosynthetic material with a knitted, closed stitch weave used to provide wind resistance and a safer walking surface.

MicroSpike™ - A structured geomembrane that adheres to the windbreak layer by friction.

CAPSURE™ TRANSITIONAL COVER ADVANTAGES

Minimizes Water Infiltration and Reduces Leachate Generation

Minimizes LFG Emissions and Odors

Provides Wind Uplift Resistance

Improved Aesthetics

Prevents Erosion

Improves Stormwater Quality

Additional LFG Collection beyond Deep Wells





SAFER WALKING SURFACE

CapSure™ provides a safe, slip-resistant surface such that operations and maintenance personnel can easily and safely access equipment and monitoring devices within the system.





A gas collection system that enhances environmental protection while significantly improving LFG collection efficiency.

EASYFLO™ SYSTEM

EasyFlo™ System

Automatic Isolation Valve

Traditional Well Head

Air Layer

Geomembrane

Collector Base



EASYFLO™ CAN BE INCORPORATED INTO NEW OR EXISTING CLOSURETURF INSTALLATIONS



EasyFlo™



CapSure™ + EasyFlo™

INSTALLATION

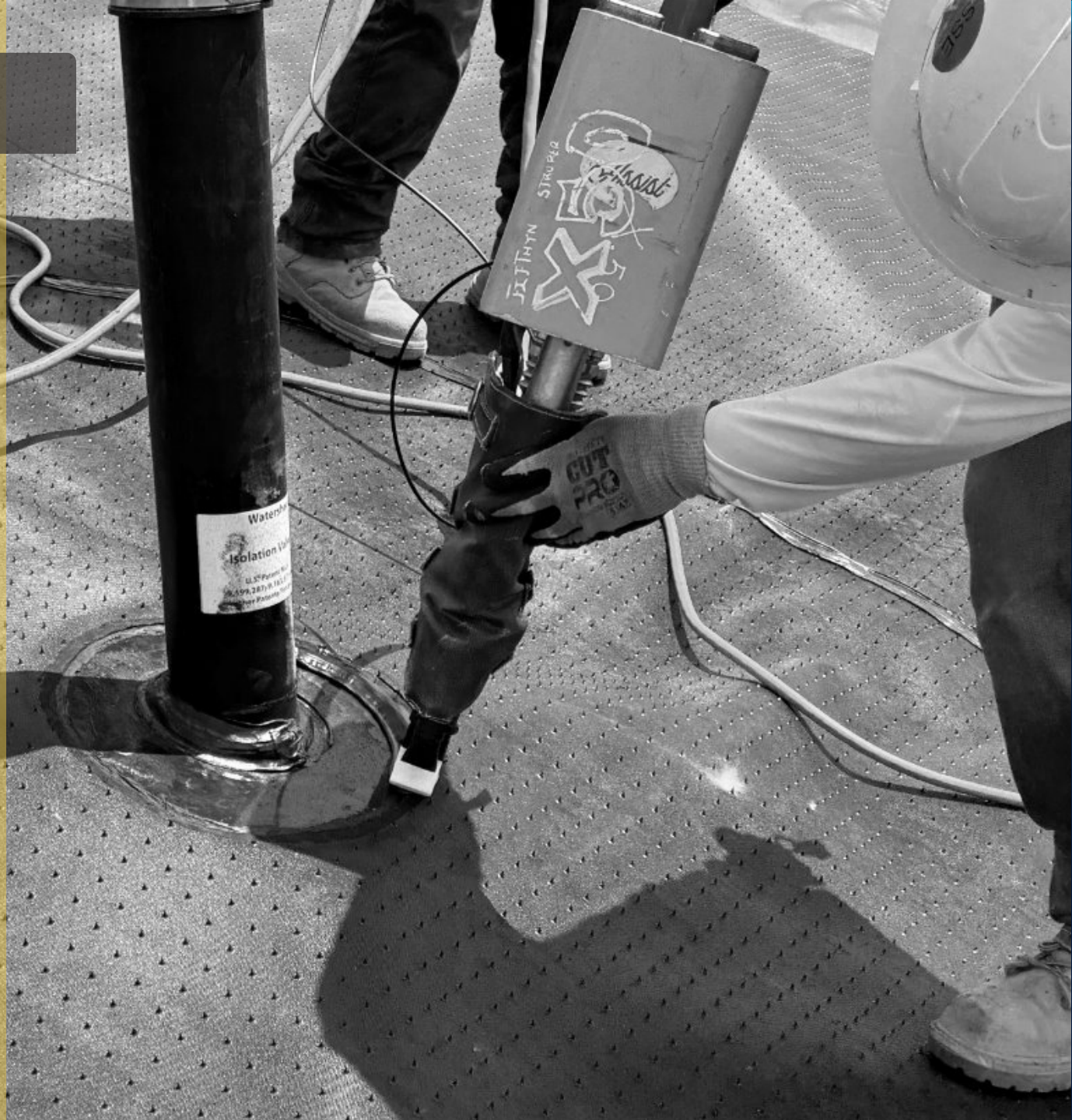
GEOMEMBRANE INSTALLATION



EASYFLO™ INSTALLATION



EASYFLO™ INSTALLATION





EASYFLO™ INSTALLATION



AIRLAYER INSTALLATION

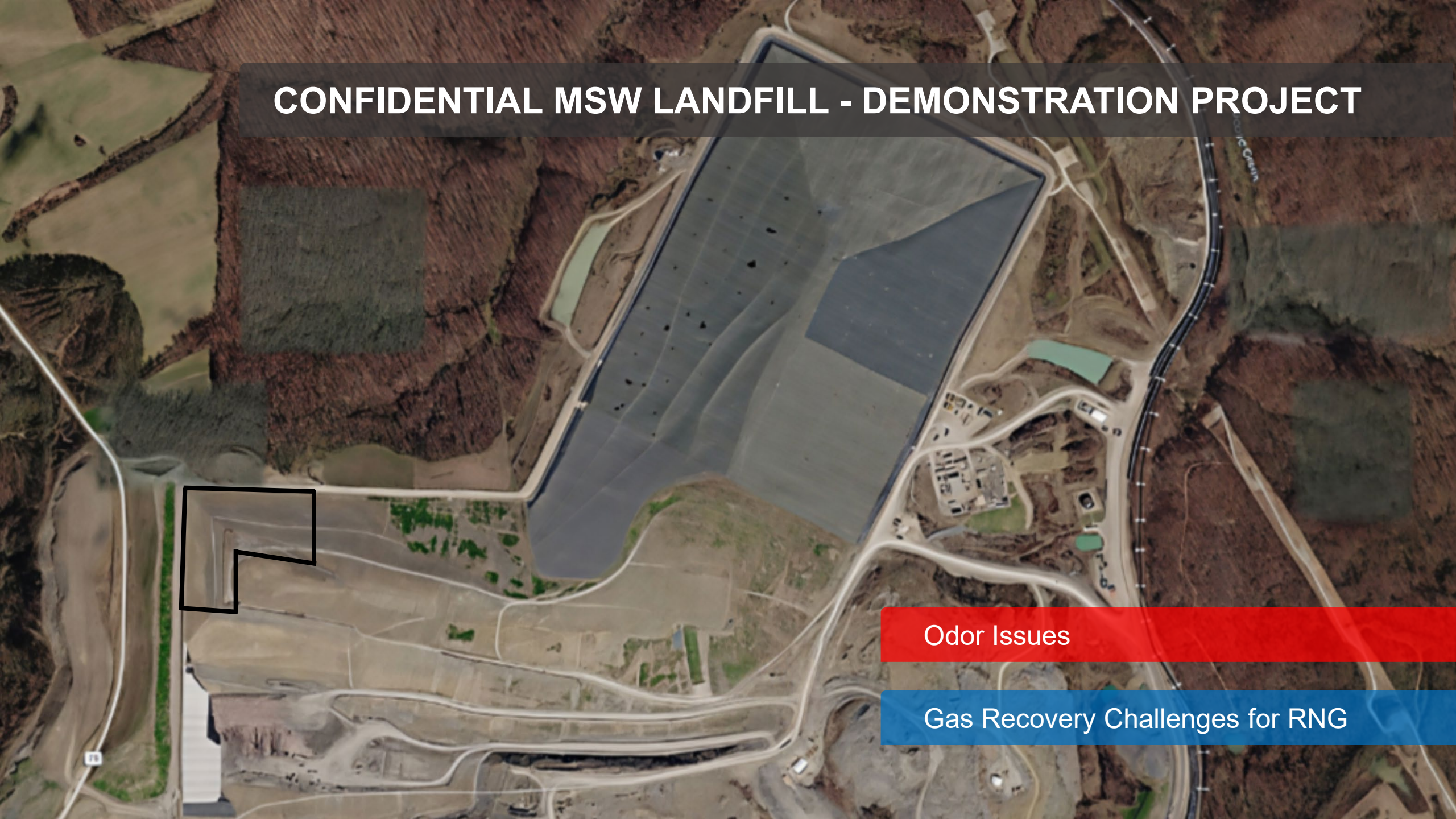


AIRLAYER INSTALLATION AROUND PENETRATIONS



AIRLAYER INSTALLATION AROUND PENETRATIONS





CONFIDENTIAL MSW LANDFILL - DEMONSTRATION PROJECT

Odor Issues

Gas Recovery Challenges for RNG

6.37 ACRE DEMO AREA SNIFFERDRONE HEATMAP

Interpolated Methane Emissions as Recorded by the SnifferDRONE™, over As-Built Drawing

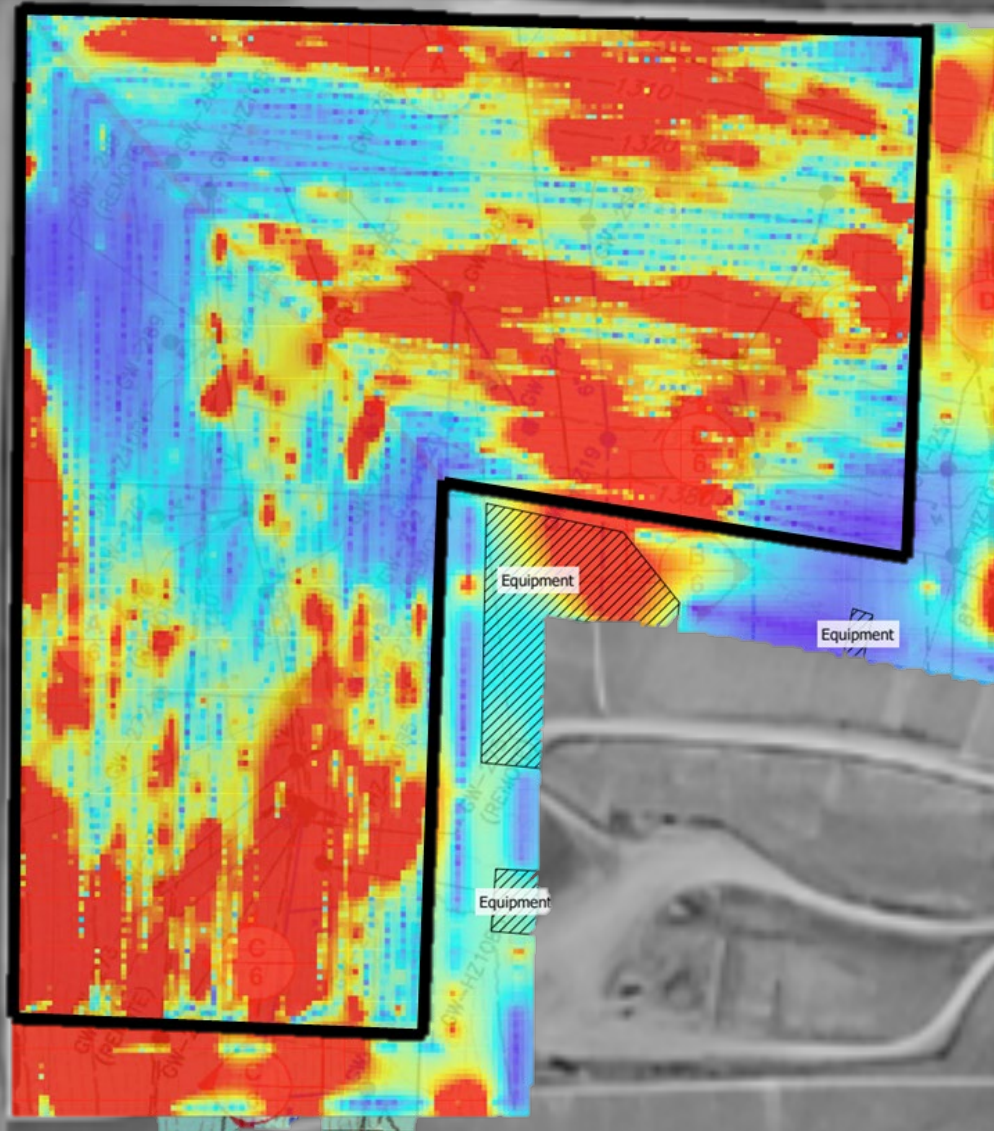
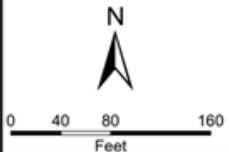
Jul 9, 2025

Notes:

1. Basemap: As-built drawing provided by CapSure, LLC, dated Jul 2025; high resolution satellite imagery
2. Projected Coordinate System: WGS 1984 UTM Zone 17N

Legend

CH4 PPM
200
0



Prior to Installation of CapSure™ + EasyFlo™

18 Working Deep Wells

5 Cleanout Risers

1 Major Cell Pump Collector

6.37 ACRE DEMO AREA SNIFFERDRONE HEATMAP

Interpolated Methane Emissions as Recorded by the SnifferDRONE™, over As-Built Drawing

Oct 29, 2025

Notes:

1. Basemap: As-built drawing provided by CapSure, LLC, dated Jul 2025; high resolution satellite imagery
2. Projected Coordinate System: WGS 1984 UTM Zone 17N

Legend

CH4 PPM



0 200

N



0 40 80 160

Feet

After to Installation of CapSure™ + EasyFlo™

18 Working Deep Wells

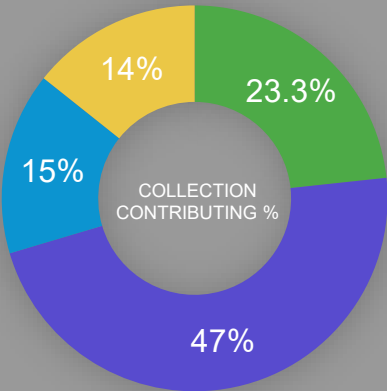
5 Cleanout Risers

1 Major Cell Pump Collector

10 EasyFlo Surficial Collectors

TEST SITE DATA

- SURFICIAL COLLECTORS 23.3%
- DEEP WELLS 47.1%
- CLEANOUT RISERS 15.3%
- MAJOR PUMP COLLECTORS 14.3%

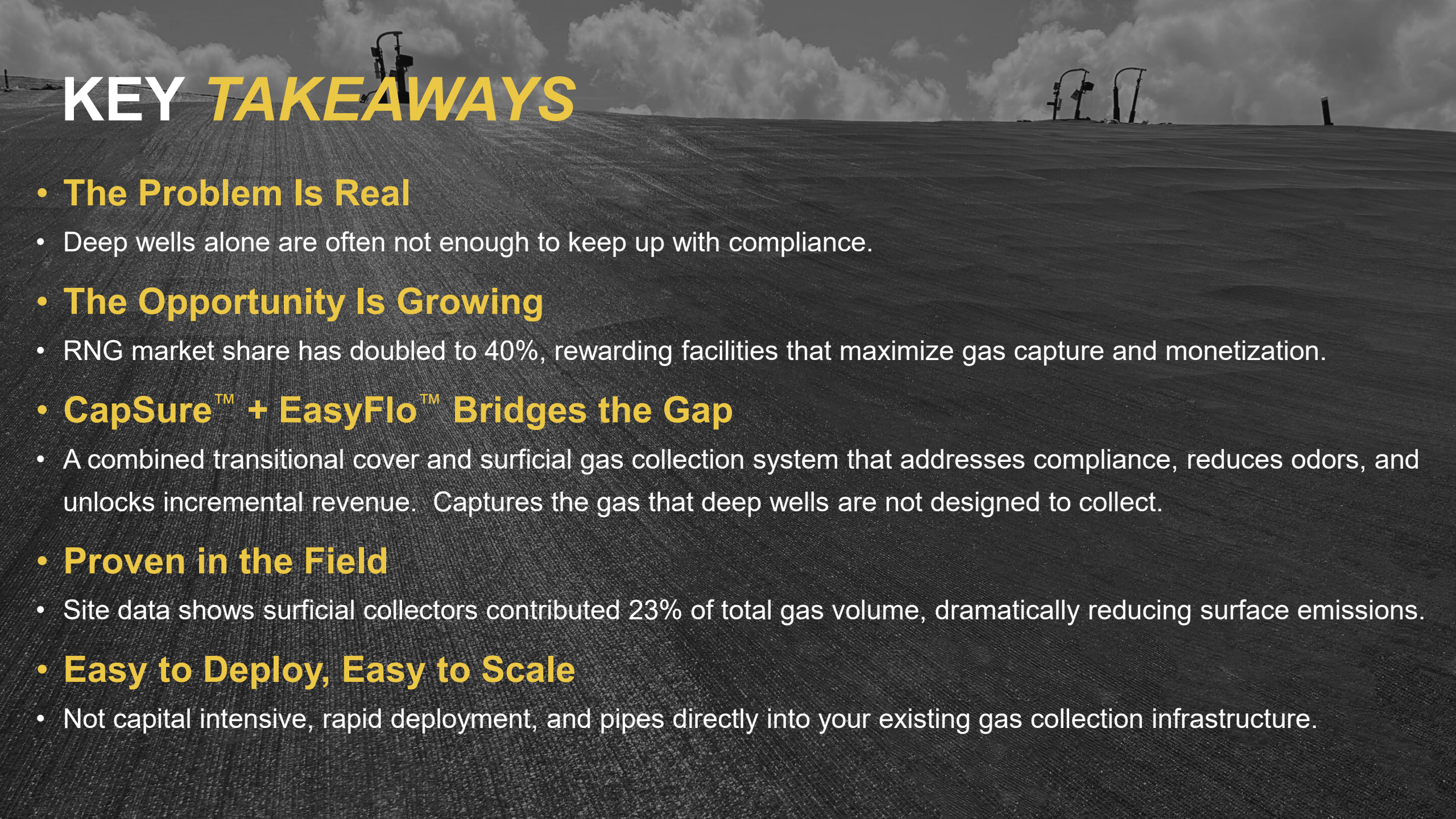


	EASYFLO COLLECTOR	DEEP WELLS	CLEAN OUT RISERS	MAJOR PUMP COLLECTOR
QUANTITY	10	18	5	1
AVERAGE METHANE %	53.3%	51.5%	60.6%	59.1%
AVG. VOLUMETRIC FLOW RATE (SCFM)	11.13	12.17	14.04	66.62
VOLUME OBSERVED	8,929,486	18,019,402	5,876,928	5,468,170
COLLECTION CONTRIBUTING %	23.3%	47.1%	15.3%	14.3%
APPLIED VACUUM (in WC)	-1.62	-10.63	-13.66	-6.14

ROI EXAMPLE FROM DEMONSTRATION SITE

- EasyFlo collectors average 17.47 SCFM per acre
- Value of (1) SCFM ranges from \$5,000 to \$8,000 per year
- Annual revenue: \$87,350 to \$139,760 per acre
- CapSure + EasyFlo installed cost: \$55,000 - \$65,000 per acre
- Payback: less than one year

*Note: Results will vary per site, depth and age of waste and performance of existing deep wells / gas collection infrastructure.

The background image shows a vast, dark, textured landscape, likely a landfill, under a cloudy sky. In the distance, several pieces of industrial equipment, possibly gas collection systems, are visible on the horizon. The overall tone is dark and industrial.

KEY TAKEAWAYS

- **The Problem Is Real**

- Deep wells alone are often not enough to keep up with compliance.

- **The Opportunity Is Growing**

- RNG market share has doubled to 40%, rewarding facilities that maximize gas capture and monetization.

- **CapSure™ + EasyFlo™ Bridges the Gap**

- A combined transitional cover and surficial gas collection system that addresses compliance, reduces odors, and unlocks incremental revenue. Captures the gas that deep wells are not designed to collect.

- **Proven in the Field**

- Site data shows surficial collectors contributed 23% of total gas volume, dramatically reducing surface emissions.

- **Easy to Deploy, Easy to Scale**

- Not capital intensive, rapid deployment, and pipes directly into your existing gas collection infrastructure.

QUESTIONS?



Jake Pope



Gulf Coast Region Director



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