

Methane Emissions Monitoring

HOW TO CHOOSE THE RIGHT APPROACH

Vehicle-Mounted	vs	Aerial GML
Routine checks of smaller, accessible sites	Best for	Comprehensive scans of vast, varied terrains
High dependency on drivable conditions and wind direction	Weather Dependency	Minimal impact; operates in most weather conditions
Limited	Total Emissions Detected	Extensive
Variable; impacted by operator skill and weather	Quality of Results	Consistent and highly accurate
5–20	Sites per Day	100+
High training investment, increased field risks	Training & Safety	None required; improved crew safety
Complete facility scope: Partial Site attribution: No Super-emitter differentiation: No Leak quantification: Yes Component-level attribution: No	Data Quality	Complete facility scope: Yes Site attribution: Yes Super-emitter differentiation: Yes Leak quantification: Yes Component-level attribution: No
High capital investment Maintenance on equipment and vehicles Increased headcount and operational changes	Costs	Flat-rate investment No equipment maintenance costs Scalable and comprehensive dataset
Vehicle-mounted sensors are ideal for accessible, smaller sites.	Key Takeaway	Aerial Gas Mapping LiDAR provides scalable efficiency, precise data, and safety advantages for comprehensive emissions monitoring.

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