

How to Evaluate a Methane Detection Partner

Choosing the right methane detection partner ensures accurate data, efficient compliance, and meaningful emissions reduction across your operations.



1. Define Your Detection Goals

Clarify what success looks like before evaluating technology.

- Identify your regulatory requirements (EPA OOOOb/OOOOC, PHMSA, OGMP 2.0, MiQ, etc.)
- Set emissions reduction or intensity targets
- Improve LDAR efficiency and reduce windshield time
- Gather actionable insights for long-term planning and ESG reporting



2. Identify Current Challenges

Pinpoint gaps in your current monitoring or LDAR process.

- Data turnaround time is too slow for timely repairs
Results are inconsistent, coarse, or difficult to verify
- Data doesn't integrate cleanly with internal systems
- Field crews report mismatches between data and site conditions
- Current vendor lacks regulator-trusted validation or support



3. Determine the Capabilities You Need

Tailor your evaluation to your operational profile.

- Detection sensitivity supports both super-emitters and smaller leaks
- Technology performs reliably in remote and variable terrain
- Quantification accuracy helps prioritize repairs efficiently



Utilities & Midstream

- Coverage area balances speed and detection precision
- Integrates seamlessly with existing ground surveys
- Supports both safety and emissions reduction priorities



4. Research and Shortlist Vendors

Look for proven, regulator-aligned partners.

- Technology is validated by independent testing or regulators
- Service regions and asset types align with your operations
- Example reports and quantification methods are available
- Flexible programs exist for compliance, voluntary, or emergency use



5. Engage Internal Teams

Ensure cross-functional alignment before final selection.

- LDAR and field ops teams can act on the data easily
- Compliance and ESG teams can use outputs for audits and reporting
- Executives understand ROI, safety, and risk-reduction benefits



6. Evaluate Performance and Fit

Compare shortlisted vendors across measurable factors.

- Proven detection sensitivity and quantification accuracy
- Reliable pinpointing of sources (within a few meters)
- Fast data delivery for timely repairs
- Integration with compliance workflows and asset management systems
- Strong responsiveness and post-scan support



7. Pilot, Measure, and Decide

Validate real-world performance before scaling.

- Set clear expectations for timing, delivery, and data quality
- Define success metrics (accuracy, turnaround, validation rate)
- Use pilot results to guide long-term rollout

TRUSTED, VALIDATED, ACTIONABLE DATA

Nine of the top ten U.S. natural gas producers already trust Bridger Photonics' Gas Mapping LiDAR®, the only EPA-approved aerial methane detection technology proven to deliver regulator-trusted, actionable data for both compliance and emissions reduction.

Ready to simplify compliance
and prove performance?

Join the industry leaders who
trust Bridger Photonics.

Visit Bridgerphotonics.com to get started.