SATELLITE EMISSIONS INTELLIGENCE

SatLeak™

Satellite-based detection and quantification of methane super-emitters — across oil & gas, landfills, wastewater, and coal mines — aligned with OGMP 2.0 to enhance LDAR, improve safety, and ensure compliance.

1 in 6	700K km²	899 Mt	60%
FACILITIES FOUND LEAKING	IMAGERY ANALYZED IN 2024	CO_2E DETECTED IN 2024	OF EMISSIONS FROM 10% OF ASSETS

HOW IT WORKS

Define. Detect. Act.

01

Define

Our experts design a fit-for-purpose monitoring program. Enter coordinates for any facility, pipeline, or region — monitor single assets or entire production basins.

02

Detect

Proprietary algorithms scan satellite imagery pixel by pixel, detecting elevated methane and tracing it to source — with flux detection limits of <50 kg/h onshore and >500 kg/h offshore.

03

Act

Receive emission alerts, quantified leak rates, and historical trend data — prioritize repairs by volume and deploy crews where they matter most.

SOFTWARE-DEFINED

Proprietary algorithms applied to imagery from **multiple third-party satellite sources** — no dedicated satellites: broader coverage, more frequent revisits, lower cost. Powered by **Momentick** detection algorithms with **Atmosfir** reporting & QA/QC.

WHERE SATLEAK DELIVERS VALUE

One Layer Above Your LDAR Program

A complementary layer that fills the gaps in existing programs — frequent, wide-area, top-down surveillance that ground crews and aerial surveys can't deliver on their own:

- Super-Emitter ID
- Pipeline Corridors
- Offshore Platforms
- Landfill Methane
- Pre-Acquisition Due Diligence
- OGMP 2.0 & EPA Reporting
- Inventory Verification
- Coal Mines

FROM SPACE TO SOURCE

What Detection Looks Like

SatLeak detects and quantifies super-emissions from space, then delivers an audit-ready report for every event — volume, location, wind, and trend.

Beyond single-constellation

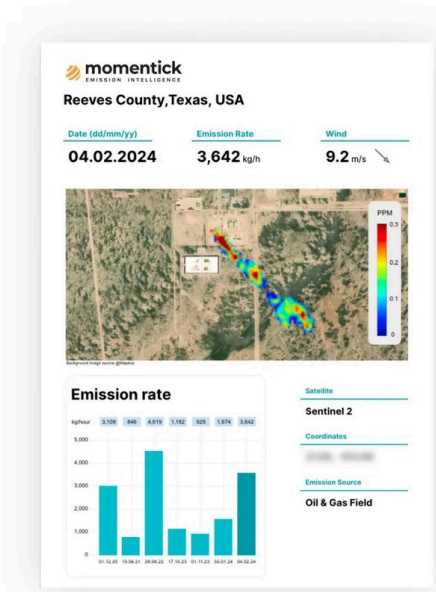
Detection applied across many commercial and non-commercial satellites — broader coverage, more frequent revisits, no vendor lock-in.

A wide-area layer for ground LDAR

Top-down surveillance flags major events between Method 21 and OGI surveys — pointing crews exactly where to look.

Persistent archive & reach-back

A frequent record of every asset enables baseline comparison, trend analysis, and historical investigation.



Emission report — Reeves County, TX: 3,642 kg/h confirmed from Sentinel-2 imagery, with quantified plume and rate history.

BUILT FOR THE METHANE ERA

SatLeak turns satellite detections into audit-ready documentation — supporting reporting and compliance across the frameworks tightening around methane, and independent verification of self-reported inventories.

- OGMP 2.0
- EPA Methane Rule
- EU Methane Regulation

- **From satellite to fenceline:** pair SatLeak™ with D-fenceline™ to confirm and pinpoint leaks at the facility boundary — the most comprehensive emissions monitoring capability available.