

GHGSat Inc.

	Methane Emissions Management Solution: Gas Emissions Management System, GEMS
---	---

COMPANY DESCRIPTION

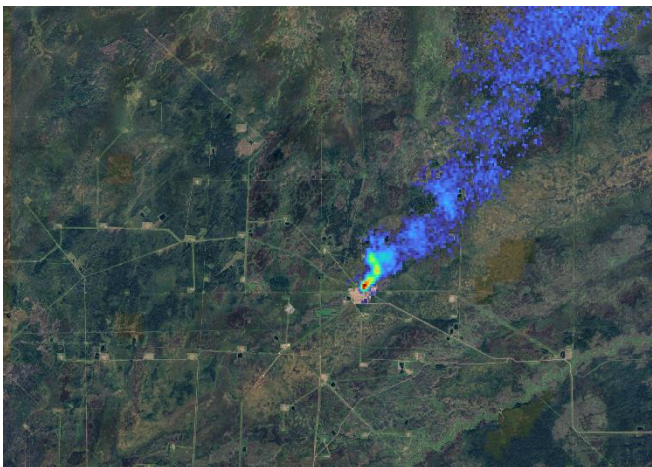
GHGSat is a global climate technology leader with pioneering emissions-monitoring capabilities that drive industrial efficiency with positive impact. Harnessing the power of its own satellite constellation and aircraft equipped with proprietary remote-sensing technology, GHGSat provides high-resolution, facility-level methane monitoring. Each satellite is equipped with GHGSat's patented sensor, capable of detecting emissions with unmatched precision and resolution compared to other commercial systems. Tracing back emissions directly to their source, GHGSat delivers source-level data with industry-leading data delivery times.

Powered by its own emissions intelligence platform, GHGSat delivers frequent actionable insights to businesses, governments, and regulators seeking to manage emissions, improve operational agility, and meet environmental and safety goals.

How it Works: GHGSat's monitoring solutions are tailored to meet customer-specific needs and offer both independent and integrated monitoring options. Customers can develop satellite or aircraft monitoring programs, or a combination, through GHGSat's tiered monitoring approach. Satellites offer global coverage with frequent monitoring that can scan regions daily for methane plumes. When more granular insights are required, aircraft are deployed to assess individual sites using the industry proven hyperspectral sensor to verify and validate repairs or help prioritize remediation.

Leveraging industry-leading AI and machine learning techniques, GHGSat detects and quantifies emissions faster, enabling timely action. All measurements taken are fed into a secure cloud data platform where algorithms quantify leak rates and map emissions to individual assets, followed by human verification for root cause analysis. Process data is delivered via GHGSat's secure Emissions Intelligence Platform SPECTRA, which allows customers to access interactive dashboards and compliance-ready reports and get automated alerts.

Value Proposition: By detecting large leaks fast, GHGSat enables operators to prioritize repairs and reduce emissions more efficiently. Its unique ability to monitor individual well pads, pipelines, and facilities anywhere on the planet makes it the industry's de facto choice for monitoring remote and distributed asset portfolios. The integrated satellite-aircraft-analytics approach enhances operational efficiency, reduces monitoring costs, and supports transparent, audit-ready reporting for regulatory and ESG commitments.



**Methane plume detected by
GHGSat in 2024, Canada**

RECENT SUCCESSES

Since launching their first demonstration satellite, “Claire,” in 2016, GHGSat has grown into the world’s leading provider of emissions monitoring solutions. They operate the only commercial satellite constellation dedicated to GHG monitoring. To date, the company has raised over USD 126 million in equity financing, including a USD 44 million Series C1 round in September 2023, to expand its constellation to 12 satellites and advance its analytics capabilities.

In 2024 alone, GHGSat detected 574 MTCO₂e emissions across 110 countries, which is a 30 percent increase in geographic coverage compared to 2023, and has mitigated 18 MTCO₂e since inception, equivalent to removing 4 million gasoline-powered cars from the road for a year. GHGSat detected 44.53 MTCO₂e from oil & gas operations in North America, accounting for over 40% of all emissions observed in the region in 2024.

GHGSat operates globally with five regional offices and a growing partner network that includes space agencies, analytics firms, and sector specialists such as the Space Research Organization Netherlands (SRON) and the Global Methane Hub.

On the commercial front, GHGSat has secured multi-year contracts with leading energy operators in North America, Europe, and Asia, as well as municipal waste authorities and agricultural cooperatives.

Corporate clients report up to 25 percent lower monitoring costs and three times faster leak detection versus traditional OGI surveys, while regulators leverage GHGSat data to target inspections and verify self-reported emissions. With its rapidly scaling constellation and comprehensive service portfolio, GHGSat is poised to measure methane emissions from every industrial site every day, accelerating global efforts to curb one of the most potent greenhouse gases.

Most recently, GHGSat has been recognized as a 2025 recipient of Canada’s Governor General’s Innovation Award for its [CO₂-detecting satellite, Vanguard](#). This recognition underscores their commitment to technical excellence and celebrates their ability to drive transformative impact for carbon-intensive industries around the world.

PTAC’s Contribution to Success: GHGSat has collaborated with PTAC to foster a strong environment for technology development by engaging with end users, government funders, and innovation ecosystem partners. These efforts enhanced market understanding and supported broader technology deployment. Leveraging PTAC’s platforms, including domestic events, the Methane Leadership Summit, Digital Innovation Forum, TERE committee, and global conferences like CERAWEEK, OTC, COP 29, and the World Petroleum Congress, GHGSat gained valuable exposure to both Canadian producers and international markets. These efforts have been instrumental in de-risking international market development and enabling a level of scale and visibility that the company could not achieve alone. These initiatives also diversify export opportunities beyond the U.S. while reducing financial risk through modest funding support. The outcome contributed to growth in sales and employment despite geopolitical headwinds, with continued expansion anticipated.

To learn more about GHGSat’s emissions detection and monitoring solutions, visit their website:

<https://www.ghgsat.com/en/>

Notable Achievements:

- **12** satellites launched
- **9** satellites launching soon
- **574 MTCO₂e** emissions detected across **110** countries
- **18 MTCO₂e** mitigated since inception
- **44.53 MTCO₂e** from oil & gas operations in North America



GHGSAT

“We’re proud of our continued membership with PTAC, a valued collaboration that enables GHGSat to share methane insights with oil and gas operators in Canada, supporting energy security goals and increased profitability — all while driving impact: methane detection and reduction on a global scale.”

- Meredith Pow,
Manager of Oil and Gas Marketing

Measure facility-scale greenhouse gas plumes worldwide using high resolution satellite and airborne sensors. Enable targeted mitigation and transparent reporting.



GHGSAT