Q4 2022

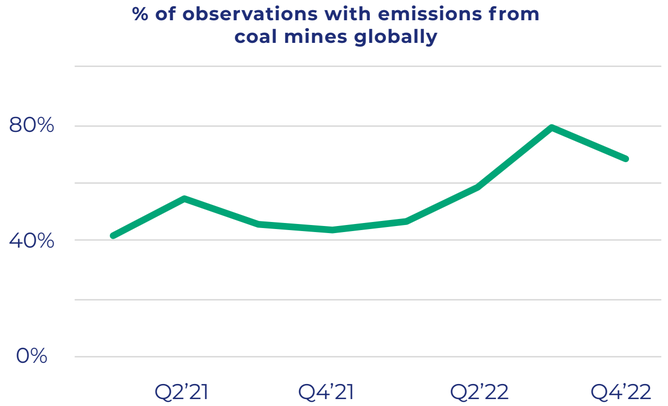
IN FOCUS
A look into GHGSat's latest emissions data

GHGSAT™

OBSERVATIONS ACROSS CONTINENTS!

In Q4, GHGSat performed more observations and measured more emissions than ever before. Our satellites made over 350,000 measurements of industrial facilities onshore and offshore in **58 countries.** With six more satellites scheduled for launch this year, GHGSat will be making well over 1.5M facility measurements in 2023.

Coal Activity Ramped Up Due To Energy Crisis



The global energy crisis continued to increase the demand for coal as natural gas prices rose. With the Ukraine conflict further driving up demand, our data shows an increase in the percentage of observations with emissions from coal mines, suggesting a rise in production at the sites we observed in Q3 and Q4.

A single satellite capture measured 21 individual emissions.

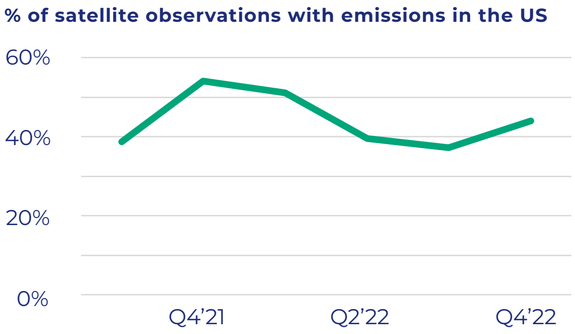
COAL MINE
China
Date: 2022-10-23

US Oil and Gas Emissions Still at Record High Level

Since Q3'21, detecting an emission from an O&G facility in the US is high. In Q4, approx **45%** of GHGSat observations in the US have measured at least 1 emission.

This highlights the need for stronger methane regulations for O&G. An updated version of the EPA's standards is under review*. Revisions include ensuring all well sites are routinely monitored and a new super-emitter response program that will be able to use third party data, such as GHGSat's.

*open for written response until February 13



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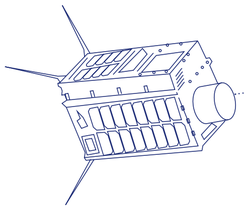
Leveraging Public Data

Public satellite data plays a complementary role in identifying methane enhancements and hotspots. Our satellites can be tasked over these areas to deliver high-resolution observations to identify the sources and measure the methane leaks.
In Q4 alone, GHGSat satellites identified almost **10X more emissions** globally than the emissions our algorithms have identified in public satellite data.



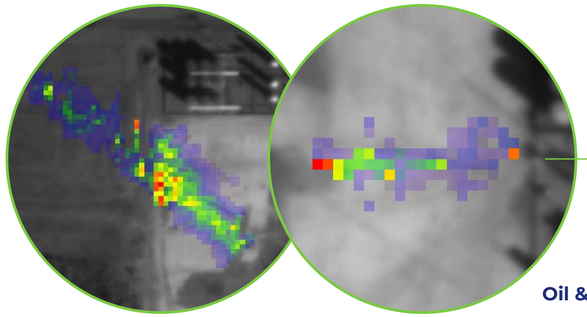
GHGSat satellites identified almost

10X

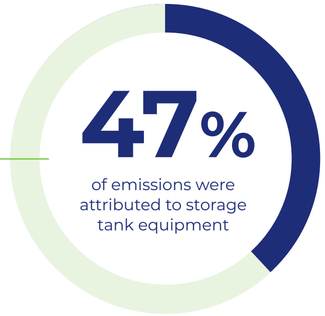
more emissions globally

Emissions Monitoring from Aircraft

In Q4, our aircraft sensors were deployed in four major O&G basins in the US.
Here are some numbers from the US campaigns.



Oil & Gas
USA
Date: 2022-10-15



7,500
customer facilities observed

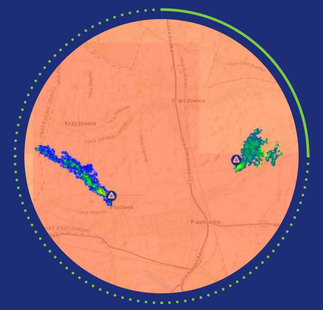
3,500
km² flown

Industry Progress

New partnership announced with **nogaholding** to undertake emissions monitoring project in the Kingdom of Bahrain.

Chevron published its methane report highlighting the collaboration with **GHGSat** and our satellite monitoring solutions.

Read it here →



SPECTRA GHGSAT

We launched our new free-to-use SPECTRA data subscription service at COP27, which includes:

- Upgraded methane concentration visualization map worldwide.
- Gallery of high-resolution methane emissions observations across industry sectors, updated weekly.

Create your free account →

Looking ahead

Our 2022 emissions report is coming soon.

Get it first with the GHGSAT newsletter →

