PROJECT
CANARY

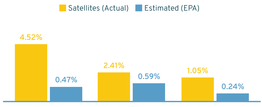
Environmental Software & Data Analytics

THE PROBLEM

Most heavy industries—including oil & gas, chemicals, and utilities—and cities/infrastructure have ambitious 2050 net zero goals. These often include net zero targets for operations and production while cutting the carbon intensity of the products they sell. While companies will have to innovate to reach these 2050 goals, many companies are already implementing methane measurement at their processing sites to immediately reduce methane intensity of operations, striving for up to 50%. Project Canary analyzes and reports Verified Climate Attributes™ (VCA), so both Buyers and Sellers can reliably report gas performance across the value chain.

$1B	Lost revenue from methane leaks each year
$900	Cost per metric ton of methane emitted, per IRA
75%	Methane emissions that can technically be eliminated today
10x	Actual emissions greater than EPA estimates
$1,756	Social cost per metric ton of methane emitted

Actual vs. Estimated Methane Intensity



Source: Kayrros "Full Inversion", EPA, BloombergNEF

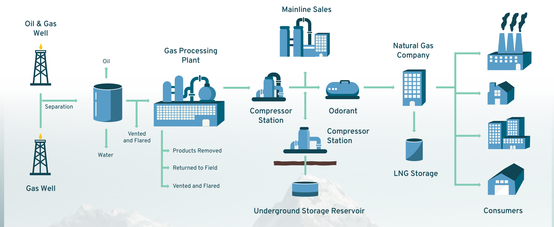
> The New York Times
> **Methane Leaks in New Mexico Far Exceed Current Estimates, Study Suggests**
> An analysis found leaks of methane, a potent gas, from oil and gas drilling in the Permian Basin were many times higher than government estimates.
>
> Bloomberg
> **Over 90% of Firms Aren't Measuring Emissions Correctly, BCG Says**

Finding the Leaks

Project Canary will independently assess and report emissions for you utilizing the Canary SENSE Platform™, an interconnected and calibrated sensor array for emissions reconciliation, MRV and QMRV Utilization and Storage.

- Reduce leaks and emissions through actionable real-time intelligence
- Understand your 24/7 operational emissions profile

60%	8%	23%	9%
Production		Transmission	Distribution



60% 8% 23% 9%

Source: Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019, pg. 3-91 (U.S. EPA, April 2021)

THE SOLUTION

Count it.

You can't improve what you don't actually measure. Estimates won't do. Accurate measurements enable operational improvements.

Cut it.

Continuously monitor methane emissions for better decision-making than calculated estimations. Real-time monitoring for real-time response.

Prove it.

Report accurate results to stakeholders — shareholders/ employees/community/regulators. Avoid penalties.

Continuous Emissions Monitoring 2023+ and Verified Climate Attributes – Proof of Performance to Meet your Standards

1. Rigorous engineering-based asset-level assessments of air, water, land, and community
2. Evaluate existing risk-mitigation efforts
3. Combine data from all sensors, footage, and emissions factors with advanced analytics to achieve 100% continuous monitoring
4. Advanced regression and Gaussian plume models to localize and quantify total site emissions
5. Improve performance, decision-making, and sustainability reporting, based on actionable insights

THE PROOF:

Operator Success in Continuous with CEM

Challenges	Solution	Benefits
Operator's acquired older assets without an ESG-focused program and need to find solutions that could scale to thousands of wells. A deeper understanding of unique emissions profiles at facilities to action mitigation	Create a digital sensory canopy with Project Canary that addresses accountability, production, and budget needs Interconnected sensor array access on the Canary SENSE Platform addresses technology needs Digital sensor canopy addresses accountability, production, and budget needs	Operator owns data-driven proof that their product is verifiably differentiated Data is no longer siloed, and the key data flows seamlessly to the systems of record that power reporting and dashboards Helps you work on your strategic plans to address Scope 1, 2, & 3 goals Digital sensor canopy addresses accountability, production, and budget needs

Project Canary by the Numbers

1,765+	760M+	60+	11.37	2.52B	2.9 GB	8
devices deployed	measurements / month	energy customers trust Project Canary	bcf/d certified gas / year	actionable climate events per year	data quantified / day	U.S. basins