



# EMISSIONS DATA MANAGEMENT FOR THE ENERGY SUPPLY CHAIN

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EU Methane Regulation – How Operators and  
Stakeholders Along the Value Chain Can Implement It:  
#1 Leak Detection and Repair (LDAR)

BRUSSELS / March 2024

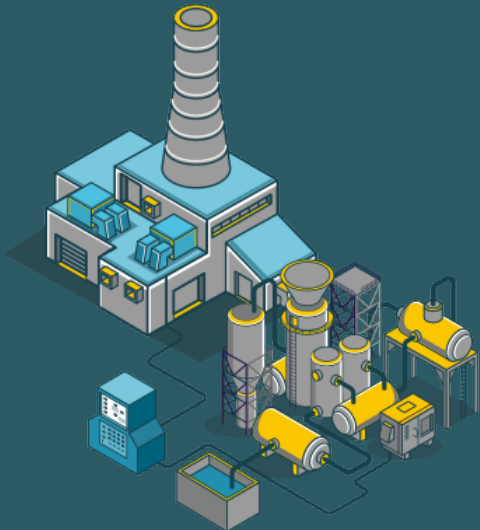
PROJECT  
**CANARY**

# Project Canary: Emissions Intelligence Platform

## MAKE SENSE OF YOUR DATA

1

### Emissions-Intensive Industries



2

### Customer Data Sources



3

### Cloud-based Data Analytics & Science-based Models



### Emissions Intelligence



**Advanced Leak Detection**  
OPERATIONAL IMPROVEMENTS

Regulatory Compliance

Risk Management

Differentiation

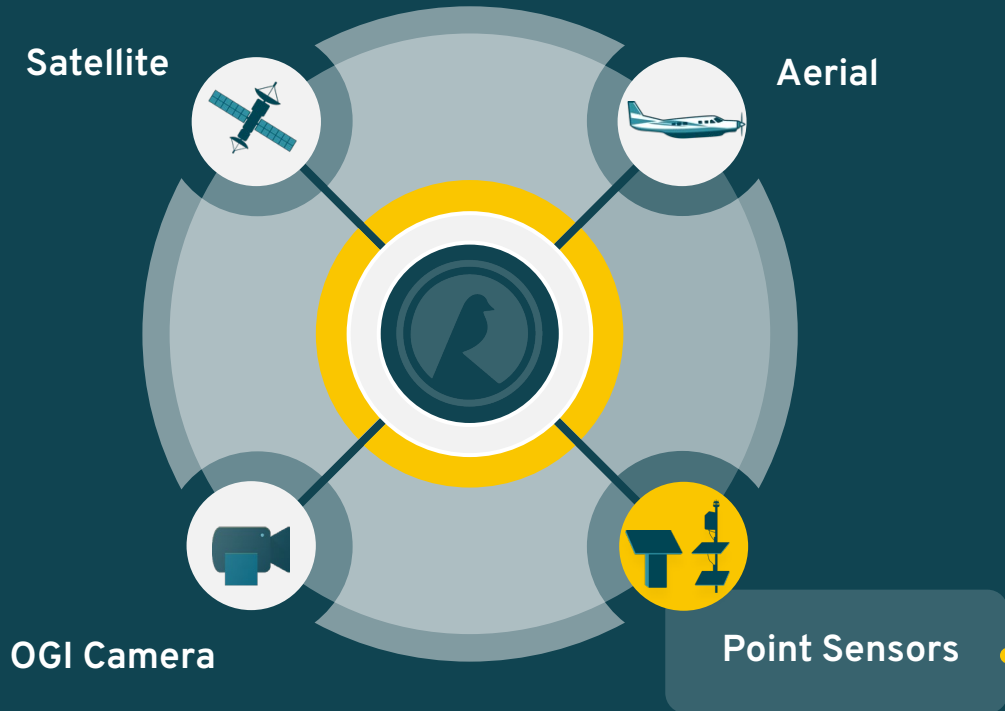


# The Canary Platform Integrates Multiple Data Sources

Operator data, GHG inventory data, 3rd Party and Canary Sensor data

## CANARY DIGITAL CANOPY

Ingests 3<sup>rd</sup> Party Emission Data



## CANARY SENSORS

Fit-for-Purpose Point Sensors

Canary Nubo (LS)



Canary X



Aeris Sentinel



ACCURACY





# Speed to Detection - Intermittency

**October 24, 2023 at 14:15**

Compressor: 0.54 kg/hr

Frac Tanks: 0.05 kg/hr

Pump: 0.60 kg/hr

Sales Line: 0.05 kg/hr

Separators: 0.54 kg/hr

Tanks: 1.15 kg/hr

Wells: 0.89 kg/hr

**Total: 3.80 kg/hr**

**October 16, 2023 at 11:30**

Compressor: 0.05 kg/hr

Pump: 0.11 kg/hr

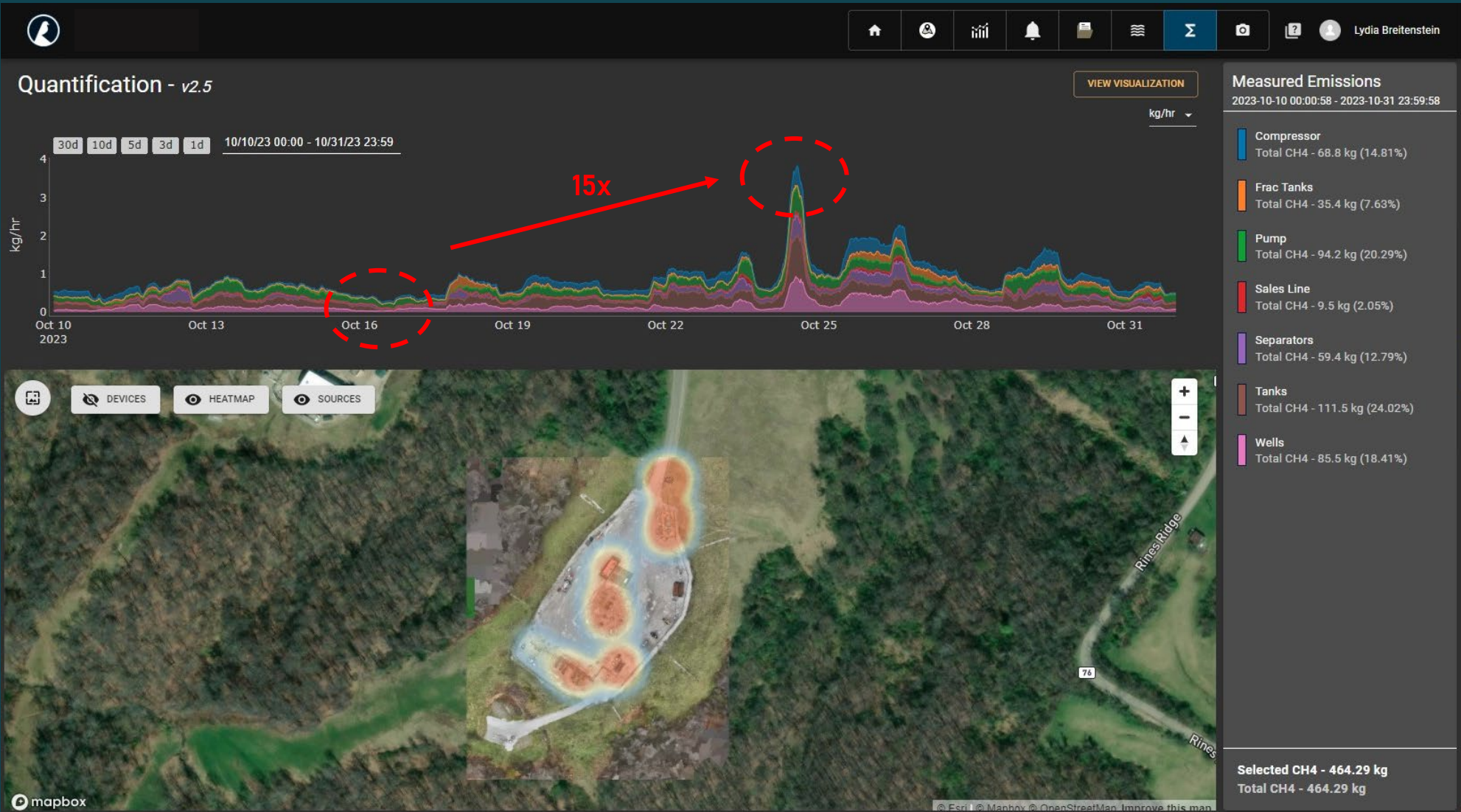
Sales Line: 0.00 kg/hr

Separators: 0.05 kg/hr

Tanks: 0.02 kg/hr

Wells: 0.02 kg/hr

**Total: 0.26 kg/hr**



# Carbon Portal: Corporate GHG Inventory



Voluntary Framework Compliance  
(i.e., OGMP 2.0, GTI Veritas)



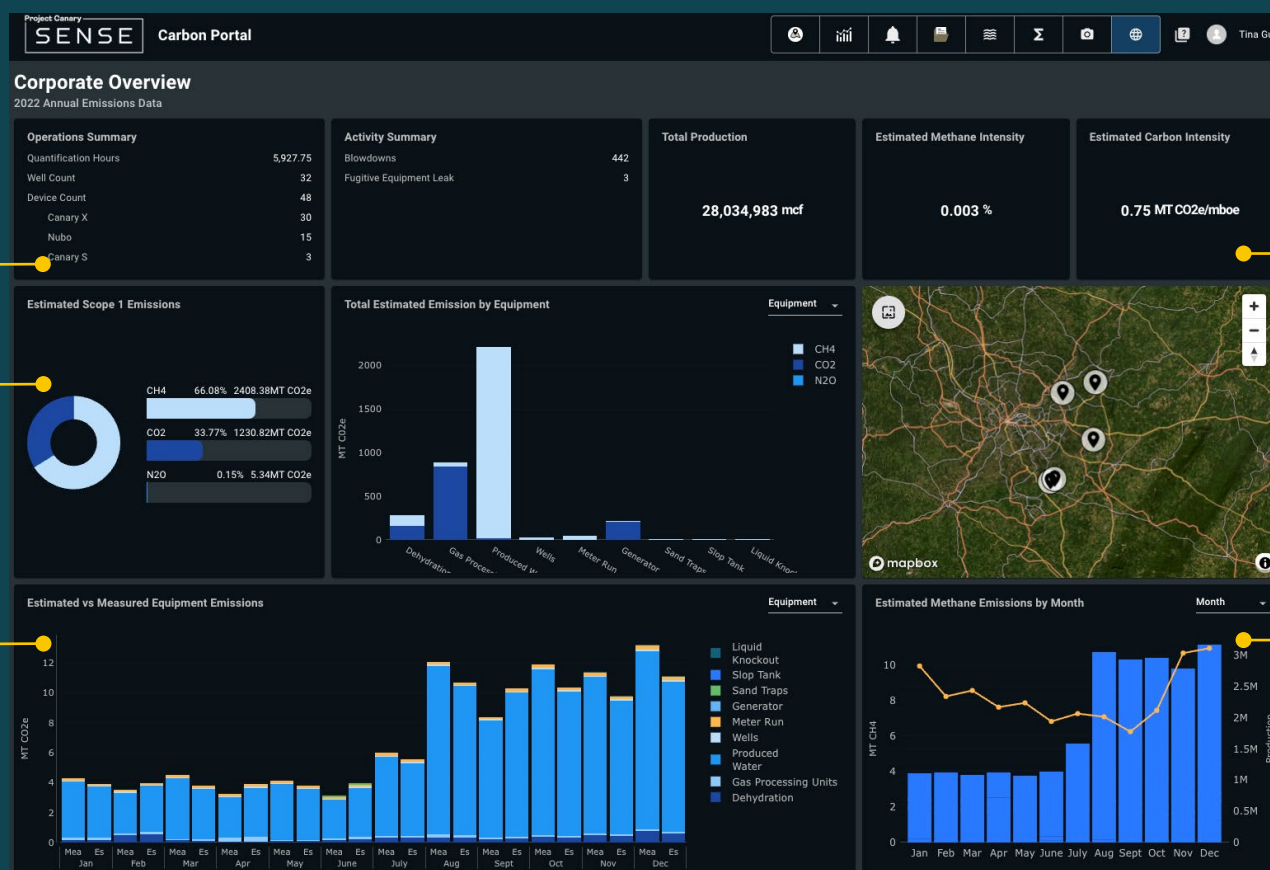
Enterprise CO<sub>2</sub>e Data  
for Accurate Offsetting



Data for Regulatory and  
Sustainability Reporting



Supply Chain Traceability  
for Commercial Use



## Corporate Operations Summary

Portfolio- and site-level insights and visualization

## Scope 1 Emissions

Corporate and Site-level GHG Inventory

## Measurement vs. Estimates

Required by voluntary frameworks like OGMP 2.0

## Estimated Intensities

Annual Methane and Carbon Intensity

## Bottom-up Estimates

By equipment or site, and vs. production

