



EARTHVIEW

The Blubird Platform

Track, Act, Transform
Technology for Methane Accountability



Blubird Platform

Continuous Methane and VOC Monitoring System

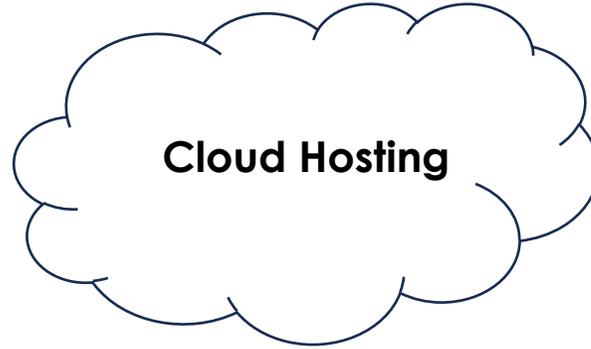


Blubird Nodes

Stand alone, solar powered, IoT methane detection devices



Cellular or WIFI communication

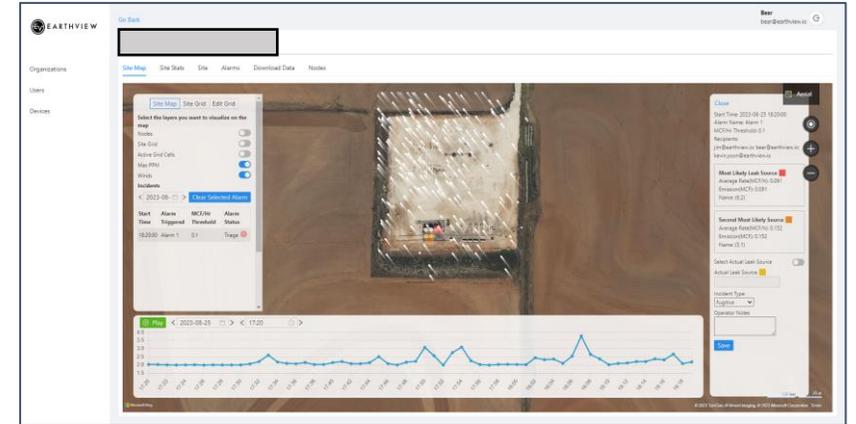


Data Analytics Hub Hosted in the Cloud

Cloud hosted data analytics engine turns raw sensor data into *real time, actionable insights.*

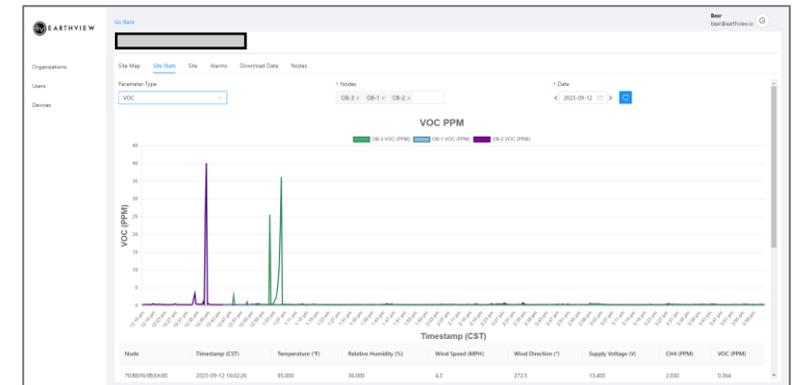
Main Focus being *real time:*

- Leak Detection
- Leak Localization
- Leak Quantification



Analyzed data sent to web based dashboard available anywhere

Data Out
- API
- Azure, etc.



Blubird Sensor Nodes

Industrial IoT hardware for methane and VOC monitoring

Air Sample Intake Tower

Staying above the emission

Weather Station

Localization and Quantification

- Wind speed and direction

Communications Antenna

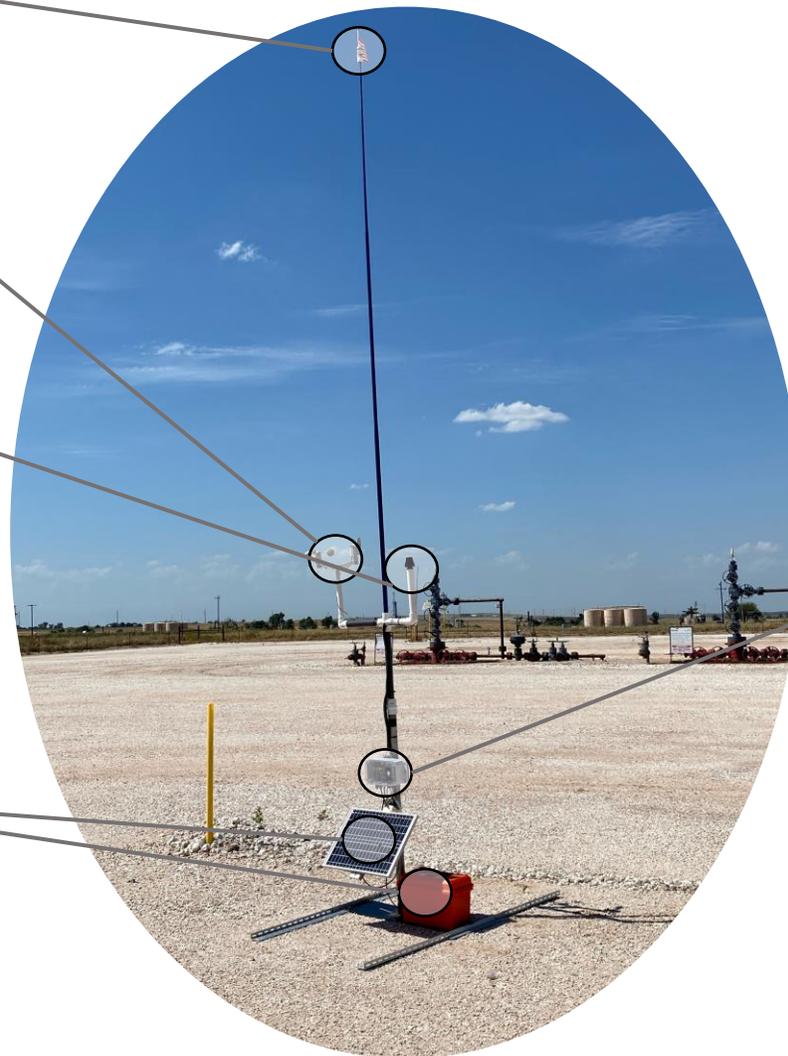
Enabling real time leak detection

- Cellular (LTE-M, NB-IoT, 2-5G)
- WIFI
- Satellite (beta)

Power System

- Solar Power + Battery Backup

For continuous operations in all weather conditions



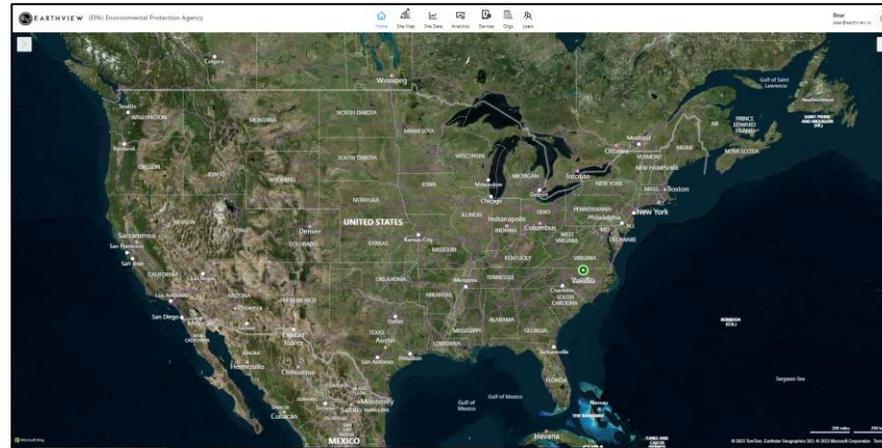
BluBird 2.0 Data Acquisition Module Core Features

- Metal Oxide Sensor Technology
- Over the air updates
- Operations in extreme heat and cold
- Minimal maintenance
- Active airflow system
- Long Service Life (3+ years)
- Back Up Storage
- UI/UX via cell phone

The Blubird Platform – Software Interface Overview

GIS Based Splash Page

See where the problems are quickly and easily. Respond efficiently



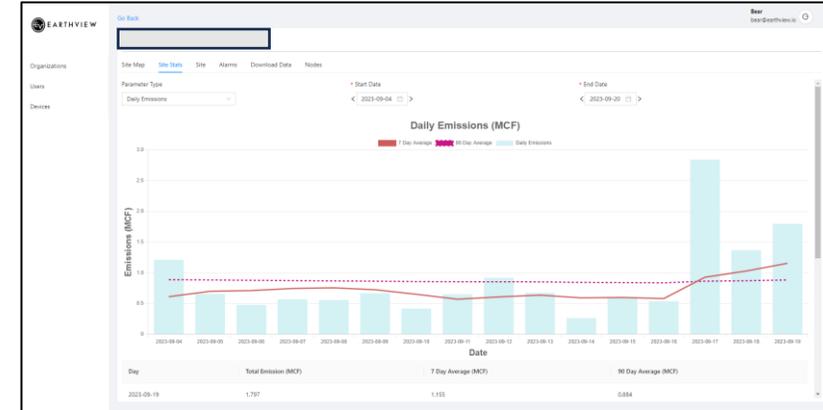
Site Map Page

Visualize site data and see leak alerts with location and environmental conditions in real time or historically



Site Details Page

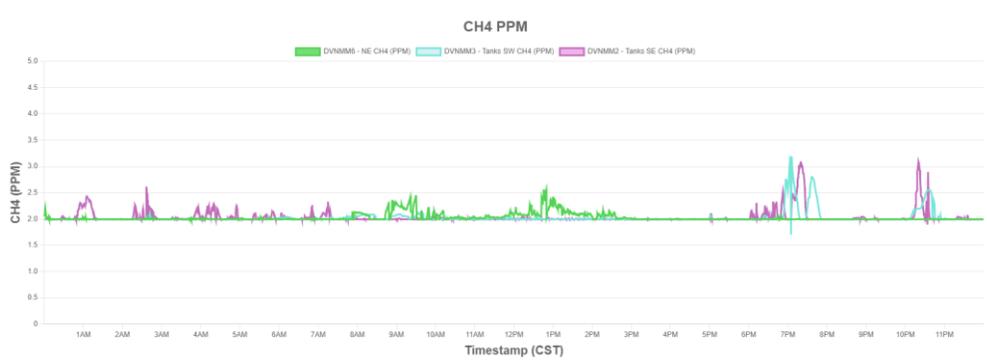
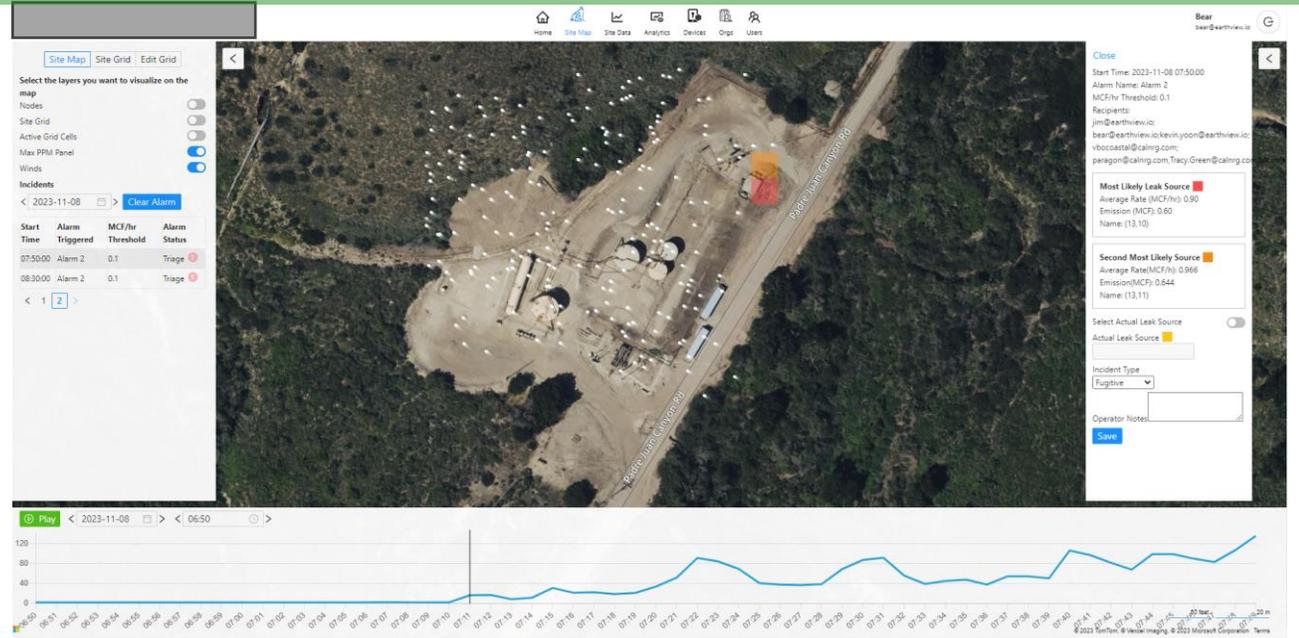
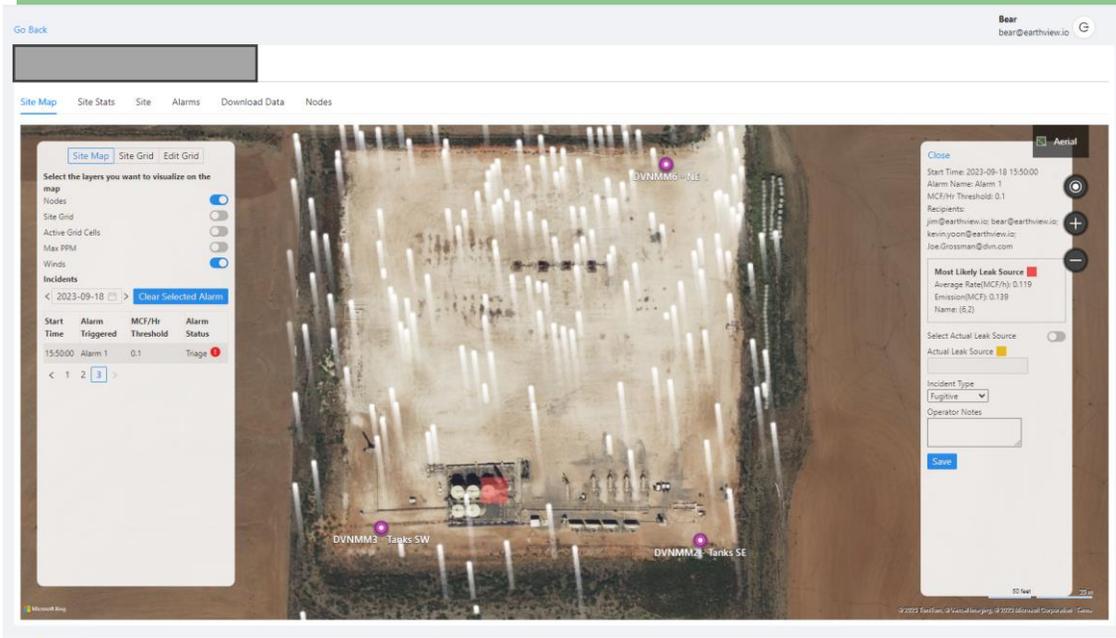
Deep dive into the minute by minute data



Daily Emission Volumes

Identify trends and track progress

Blubird Platform in Action: Real World Examples



Hung Oil Dump
Source Location Correctly Identified (Red Square)

Compressor Leak – Leak correctly located and fixed within 12 hour of detection

Blubird delivers *measurable* monetary and environmental value



Increase Revenue

catch costly leaks, quickly



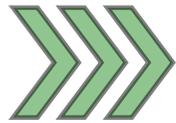
Compliance

international,
federal, state
and local



ESG Performance

the data needed
to show superior
performance



Increase Efficiency

targeted
emissions
inspections



Attract investors and buyers

emissions data is
essential to attract
capital and acquisitions



Access to new markets

certified gas,
international standards
(OGMP 2.0)



EARTHVIEW

Thank you
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