

# SNITCH™ Tank Vapor Intelligence System

Continuous tank-vapor intelligence to protect product, stabilize operations and simplify compliance.

## PROTECT PRODUCT VALUE WITH REAL-TIME INTELLIGENCE

SNITCH™ provides real-time monitoring of methane and associated hydrocarbons directly at the thief hatch. By measuring and characterizing emissions events and correlating them with process conditions helping operators identify deviations from vapor-liquid equilibrium (VLE), maintain optimal separator set-points, reduce unnecessary venting, and recover saleable hydrocarbons (including NGLs) that would otherwise be lost.

## How SNITCH™ Works

SNITCH™ is installed at the thief hatch to continuously monitor tank-top emissions where they actually occur. It measures both vapor concentration and the temporal profile of emission events, turning tank activity into structured operational data.

By correlating tank pressure and gas concentration with separator and dump-cycle behavior, SNITCH™ gives operators a closed-loop view of the production process. Data are transmitted via MODBUS for integration into SCADA, with configurable alarms for methane and/or H<sub>2</sub>S thresholds. This enables operators to fine-tune separator pressures and flare or enclosed combustion device (ECD) flows in real time, responding to changes in temperature, barometric pressure, and fluid composition.



## KEY BENEFITS:

- ➕ Direct tank-top emissions insight
- ➕ More BTU & product retained
- ➕ Faster, targeted troubleshooting
- ➕ Compliance-ready SCADA alarms
- ➕ Scalable multi-tank monitoring



## From Detection to Action: Managing VLE in Real-Time

Vapor-liquid equilibrium (VLE) in a tank is always shifting. When it drifts, it shows up as venting, unstable combustion, and product loss.

SNITCH™ turns those vapor events into actionable data so operators can proactively manage tank behavior instead of reacting after the fact. It helps operators:

- See when and why emissions occur
- Adjust separator set-points and tank pressures
- Stabilize flare and ECD performance
- Reduce unplanned flaring, venting, and compliance risk

The result: a more stable system, more product retained, and clearer documentation of emissions management.



### THE ENCINO ADVANTAGE

As a service provider, we understand our role in helping clients meet their compliance obligations and achieve their environmental performance objectives. Whether you need one piece of the puzzle, or the entire picture, we can help design and tailor an emissions monitoring and performance program that fits your operational needs, corporate strategy, and budget.



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