# Close-proximity methane monitoring with Nubo Sentry
## Intrinsically safe. Reliable. Cost-efficient.



### Maximize deployment coverage and performance
Install in hazardous environments to monitor where other solutions fall short.

### Pinpoint emissions with confidence
Enhanced detection accuracy and targeted responses preventing product loss and safety incidents.

### Boost on-site safety
Complement traditional LEL sensors with lower detection limits for early warnings, even indoors.

### Cut mitigation costs
Simplify root cause analysis of methane events to achieve operational excellence and reduce environmental impact.
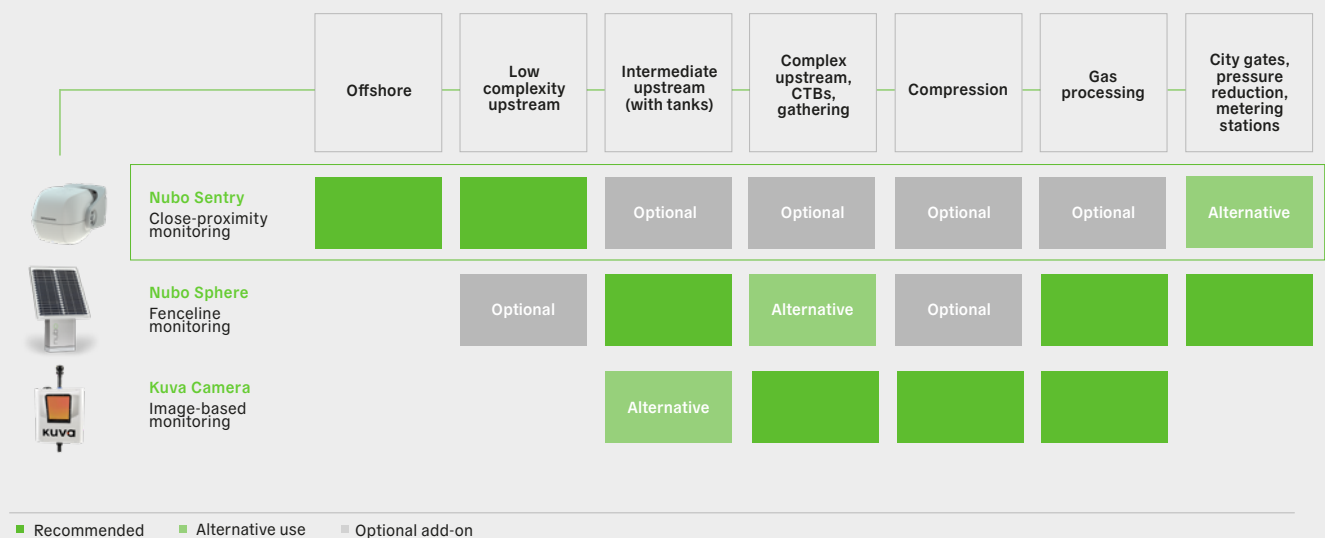
**SENSIRION**
connected solutions

# We've got you covered!

**Maximum deployment flexibility in hazardous areas**

From offshore rigs to marginal wells, from outdoor priority area monitoring to confined indoor spaces, Nubo Sentry adapts to any environment—so you can respond with confidence where other solutions fall short.

- Tough environments demand robust solutions: installed as a strategic sensor network on offshore platforms to monitor even small emissions continuously for the first time
- Deploy Nubo Sentry on marginal or low-flow wells enabling affordable and continuous remote monitoring
- Early warning where safety matters the most: use Nubo Sentry for indoor monitoring of small downstream cabinets to large compressor housings
- Add Nubo Sentry to Nubo Sphere or the Kuva camera for maximum coverage and performance on complex sites to cover specific emission sources of interest such as tanks or compressors

## Standalone or strategically combined deployments with Sensirion's fenceline or camera solutions along the oil and gas value chain

| | Offshore | Low complexity upstream | Intermediate upstream (with tanks) | Complex upstream, CTBs, gathering | Compression | Gas processing | City gates, pressure reduction, metering stations |
|---|---|---|---|---|---|---|---|
| **Nubo Sentry** Close-proximity monitoring | Recommended | Recommended | Optional | Optional | Optional | Optional | Alternative |
| **Nubo Sphere** Fenceline monitoring | | Optional | Recommended | Alternative | Optional | Recommended | Recommended |
| **Kuva Camera** Image-based monitoring | | | Alternative | Recommended | Recommended | Recommended | |

■ Recommended  ■ Alternative use  ■ Optional add-on

## Key features at a glance:

- **Intrinsically safe:** pending certification for hazardous areas (US/CA Class I Div 1, ATEX/IECEx Zone 0)
- **Exceptional sensitivity:** detection limit < 20 ppm—5x lower than typical alternatives
- **Precision sensing:** highly selective to methane using low-power photoacoustic spectroscopy
- **Maintenance-free:** up to 5 years of battery life (at 20-second intervals)
- **LoRa Wan communication** allows reliable, wide-range communication while keeping data secure
- **Easy deployment:** wireless solution for cost reduction—no wiring, no hassle
- **Rugged design:** IP65 and NEMA 4X rated
- **Extreme resilience:** operates from -40°C to 65°C and up to 100% humidity

**Let's make methane monitoring smarter together!**
Ready to see what precise, scalable and cost-efficient methane monitoring looks like? Contact us today to built your emissions strategy with Sensirion's continuous monitoring solutions to achieve operational excellence and regulatory compliance!