

Product Overview

BLUEHAWK™ SENSORS

High-Precision, Non-Contact Monitoring of
Liquid Hydrocarbon Spills & Leak Impacts

CFRS™ | Long-Standoff | Real-Time Alerts | Fixed or Mobile Deployment

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Challenge: Protecting Critical Assets from Liquid Hydrocarbon Risk

Oil and fuel leaks, spills and surface contamination at industrial facilities pose serious risks to safety, operations and the environment. Traditional monitoring methods can miss early-stage releases, thin surface sheens and intermittent events—often responding too late or requiring frequent maintenance.

Solution: Continuous, Non-Contact Surface Monitoring at Critical Control Points

BlueHawk™ Sensors provide high-confidence detection of liquid hydrocarbons at defined surfaces, runoff pathways and water interfaces, where spills and leak impacts first appear. Using multispectral fluorometry and patented CFRS™ optical technology, BlueHawk enables early warning at standoff distances without contact, fouling or operational interference.

Deployed at fixed locations—or combined with controlled scanning for expanded coverage—BlueHawk delivers reliable, real-time monitoring aligned with how spills are actually managed in industrial environments.

Key User Benefits

- **Early Spill Detection:** Detect surface releases early to reduce environmental impact, safety risk and cleanup costs
- **Non-Contact, Low-Maintenance Operation:** Minimizes fouling-related cleaning and signal drift, with no recalibration required
- **Real-Time Alerts & Integration:** Continuous monitoring with automated alerts supports rapid operational response
- **Long Standoff Deployment:** Deploy at standoff distances of 30+ ft on fixed, mobile or pan-tilt platforms
- **Expanded Area Coverage (with Scanning):** Controlled scanning enables coverage of larger areas—up to 1,600 sq ft—from a single installation point
- **Surface & Water-Interface Monitoring:** Detects liquid hydrocarbons on surfaces, drainage paths, water interfaces
- **Hazardous-Area Ready & Scalable:** Available in standard and HazLoc/ATEX configurations, with multi-sensor deployments for complex sites



Industrial spill & leak detection



Stormwater, process, plant & cooling water monitoring



HazLoc surface monitoring



Port water monitoring