

Product Overview

BLUEHAWK™ SENSORS

Non-Contact Multi-Surface Oil/Fuel Spill & Leak Detection for Industrial & Critical Infrastructure

CFRS™ | Long Range | Real-Time Data & Alerts | Fixed & Mobile

 (770) 366-4137

 info@photontec.net

 www.photontec.net

Challenge: Protecting Critical Assets from Liquid Hydrocarbon Spills, Leaks & Contamination

Oil & fuel spills, leaks and contamination in industrial facilities pose serious risks to people, operations and ecosystems. Traditional detection methods may miss thin sheens, have limited coverage, generate false alarms, require frequent maintenance, need contact with liquids, or respond too slowly.

Solution: Advanced Non-Contact, Long-Range Detection of Oil & Fuel Spills and Leaks

BlueHawk Sensors detect hydrocarbon spills and leaks with high sensitivity across diverse facilities & critical infrastructure. Leveraging multispectral fluorometry and patented CFRS™ technology, these sensors detect contamination on equipment surfaces, ground & water—enabling breakthrough monitoring applications beyond the reach of many traditional technologies.

Key User Benefits

- **Early Detection:** Rapidly identifying threats helps prevent environmental incidents, safety hazards & costly cleanups.
- **Safety & Compliance:** Supports regulatory compliance, safety protocols and environmental stewardship.
- **Low-Maintenance Monitoring:** Non-contact operation eliminates sensor fouling and minimizes disruption, delivering consistent data ideal for continuous monitoring.
- **Real-Time Control:** Continuous data and automated alerts enable immediate shutdown procedures, rapid safety responses, and timely operational adjustments.
- **Improved Efficiency:** Reduce manual inspections and site interference while eliminating detection delays.
- **Flexible Installation:** 0.7 to 30+ ft away from monitored surfaces for fixed, pan-tilt, or mobile monitoring platforms.
- **Large Area Coverage:** Monitor up to 1,600 sq ft from a single installation point—protect more area with fewer units.
- **Hazardous Area Ready:** Available in HazLoc (Hazardous Location)/ATEX configurations for explosive environments.
- **Scalable Networks:** Multiple sensor configurations to match facility complexity and monitoring requirements.



Industrial spill & leak detection



Sump water monitoring



Fixed port installation



HazLoc area monitoring