

# Slick Sleuth

Early Warning Detection and Alert for Oil Leaks and Spills

[www.slicksleuth.com](http://www.slicksleuth.com)



## Oil Spill Monitoring Systems For:

- Refineries
- Power Plants
- Industrial Spillways
- Sumps & Separators
- Loading Piers
- Tanks & Terminals
- Inland Waterways
- Ports & Harbors
- Desalination Plants
- Coastal & Offshore



**Slick Sleuth™ Oil Detection Systems** are used for real-time detection of oil leaks and spills on fresh, brackish, or saltwater, as well as ground and normally-dry surfaces. The optical, non-contact sensor detects a wide range of oils and petroleum derivatives, which include crude oil, fuel oil, lube oil, turbine oil, hydraulic oil, motor oil, gasoline, and jet fuel, as well as various food oils, process oils, and many others. Slick Sleuth is a UV-fluoresensor that uses the same highly-sensitive optical method for sensing oil as used for lab analysis of hydrocarbons but in a simplified and ruggedized package for remote detection and alert of oil in all weather conditions, day or night. Slick Sleuth systems are used around the globe for industrial and environmental monitoring applications. Slick Sleuth sensor technology has evolved into a family of products optimized to satisfy the unique application requirements associated with a wide variety of deployment settings and customer needs.



### **Slick Sleuth SS100**

- Detection range up to 1 meter above surface.
- Typically used in storage tank and terminal facilities.
- Enclosure rated for hazardous gas area installation.
- 4-20 analog and relay outputs for interface with PLCs and DCSs.
- Serial outputs and optional wireless connectivity.



### **Slick Sleuth SS300**

- Detection range up to 5 meters above surface.
- Used for a wide variety of industrial and marine applications.
- 4-20 analog and relay outputs for interface with PLCs and DCSs.
- Serial outputs and optional wireless connectivity.
- Most popular and versatile system available in the market today.



### **Slick Sleuth SS320**

- Detection range up to 10 meters above surface.
- Typically used for pier installation at marine terminals.
- 4-20 analog and relay outputs for interface with PLCs and DCSs.
- Serial outputs and optional wireless connectivity.
- Powder-coated stainless housing with optical window and watertight fittings for added protection in marine environment.



### **Slick Sleuth SS300-EXd / SS320-EXd**

- For use in hazardous gas areas requiring Ex certification.
- Range of 4 meters (SS300-EXd) and 8 meters (SS320-EXd).
- Used for a wide variety of industrial and marine applications.
- 4-20 analog and relay outputs for interface with PLCs and DCSs.
- Serial outputs and optional wireless connectivity.



## Remote Installations

Slick Sleuths can be provided as an autonomous, self-contained system with solar DC power units (PSU) and remote wireless telemetry units (RTU) for remote site locations where operating power is not readily available. PSUs are engineered to provide continuous power throughout the year. RTUs incorporate either point-to-point radios or cellular gateway modems for wireless communications. Integrated systems are engineered for each specific geographic location, operating environment, and wireless availability.



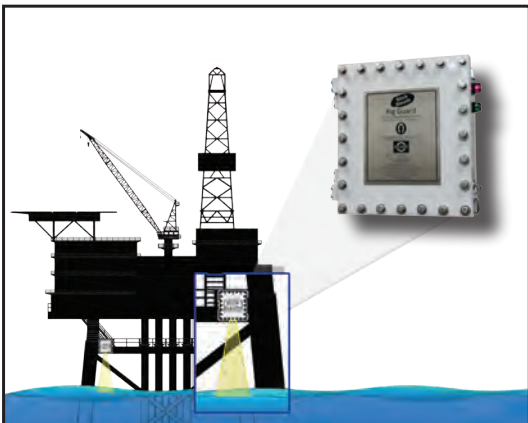
## System Arrays

Slick Sleuths can be configured as a series of stand-alone detection stations or as a networked array, to provide wide area coverage at strategic points throughout a facility or targeted region. Detector networks are commonly integrated directly into a facility's monitoring and control system (SCADA, PLC, etc.). Alternatively Slick Sleuth can be provided with a dedicated base station computer and software or accessed as a *service* via secure Slick Sleuth web user interface for remote real-time monitoring, alert, command, and control.



## Slick Guard Monitoring System

The Slick Guard Monitoring System is an integrated, turnkey, environmental monitoring system. Slick Guard is designed to be moored off shore or wherever a floating oil spill monitoring station is needed. Typical deployments include points around the intakes of power production and desalinations plants, at the mouth of industrial discharge channels, and for the protection of environmentally sensitive areas. Slick Guard includes Slick Sleuth Oil Detection & Alarm, solar DC power unit (PSU), remote wireless telemetry unit (RTU), ruggedized dual-hull flotation platform, and secure web-based user interface.



## Rig Guard System and Service

The Slick Sleuth Rig Guard is designed for use on offshore platforms and rigs. Each platform-based system consists of one to four oil spill detectors, housed in explosion-proof, submersible enclosures, that are fully integrated with wireless communication for real-time alerts and remote system command/control. Sensors are optimized for detection of crude oil, fuel oil, diesel and oily-water slops. *This system is now offered as an all-inclusive spill monitoring service*—equipment, installation, wireless access, and an annual visit to maintain/re-condition system components are all included for a single, cost-effective, monthly rate.



## Applications & Installations

Slick Sleuth is designed and manufactured for installation in rugged industrial settings as well as harsh marine environments. Industrial applications include monitoring sumps, sewers, retention ponds, tank dikes, outfalls, etc. Real-time detection alerts can be coupled with automated actuation of valves, pumps and skimmers. Marine uses include terminal piers, offshore loading buoys and production platforms, protection of seawater intakes, environmentally sensitive habitats, and anywhere there is value in preventing oil spills!

Slick Sleuth detectors are conveniently installed above water and dry surfaces. Slick Sleuth offers sheen-level detection for a wide range of hydrocarbons, from kerosene to crude oil, with user-adjustable sensitivity and a variety of options for connecting to industrial control rooms as well as remote wireless communications. Contact us today to discuss your specific application requirements.

- **Non-Contact Optical UV Sensor**
- **Payback with Single Detection**
- **Detects Wide Range of Oil Types**
- **High Sensitivity, Low Maintenance**
- **Installed & Supported Worldwide**
- **Complete Line of Products, System Solutions, and Service Options**



**InterOcean Systems** - In addition to Slick Sleuth series of automated oil pollution detection and alarm systems, InterOcean Systems is a world leader in the design and manufacture of marine equipment and systems for offshore use, including specialized platform mooring release systems and cable handling systems for deployment and recovery of critical sensors and equipment in the offshore environment. With over 70 years of demonstrated commitment to product reliability and customer support, you can depend on InterOcean Systems for durable, easy-to-use solutions that offer proven technologies for critical applications in demanding marine environments.



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