Slick Sleuth™ Rig Guard
Oil Spill Monitoring *as a Service* for Offshore Platforms

- **Optical Oil Detection**
- **Real-Time Alerts**
- **Continuous Monitoring**
- **Installation & Maintenance Included**
- **Minimize Risk & Maximize Safety**
- **Wireless Connectivity**
- **Explosion-Proof**
- **Submergible**

Slick Sleuth Rig Guard is the newest addition to InterOcean's line of Slick Sleuth oil spill monitoring system solutions. Incorporating Slick Sleuth's proven optical spill-sensing technology, Rig Guard's ruggedized design meets the challenges of operating in the offshore environment and provides around the clock real-time oil spill detection and alerts.

The Slick Sleuth Rig Guard is a robust system, designed for continuous operation on manned and un-manned platforms in any sea state and all marine weather conditions. The system is optimized for on-water detection of crude oil, as well as diesel, lube, and slop oil, all of which may be a concern offshore.

The Rig Guard system incorporates proprietary Slick Sleuth oil detection optics, building upon industry-leading technology and an install base of over 1,000 systems at industrial facilities around the world. The non-contact, UV-based scanning optics are adjustable for site-specific conditions and sensitivity levels, so spills of any size are detected before small accidents become costly incidents.

Rig Guard protection is now being offered as a service—**Oil Spill Monitoring as a Service**. This first-of-its-kind service eliminates the need for facility owners and operators to purchase, install, operate, and maintain their own spill monitoring system—allowing them to focus on core production and operation activities, while at the same time providing the benefits of protection and peace of mind that come with a state-of-the-art spill monitoring system. Oil Spill Monitoring as a Service ensures that the best available technology is being used and eliminates capital outlay and costs associated with equipment acquisition and ownership.

Rig Guard Oil Spill Monitoring as a Service consists of one to four detectors per platform, a wireless gateway that connects users via secured web portal, and system installation and periodic maintenance. The entire package is provided for an economical, easy-to-budget, fixed monthly rate.

Rig Guard Oil Spill Monitoring as a Service provides cost savings and environmental safety to offshore platform owners and operators. These cost-benefits are particularly significant when compared to the risks and costs associated with even a relatively small spill.

Call today to discuss implementing Rig Guard's best available technology (BAT) and best management practices (BMPs) as a part of your facility's oil spill prevention and response plan.

Oil Spill Monitoring as a Service – How it Works

InterOcean Systems works with every customer to define a system that satisfies the site-specific needs and risks unique to each offshore facility. When system definition and terms of services are finalized, an installation plan and documentation package is generated for review and approval. Following approval, InterOcean then performs all aspects of system installation, commissioning, and training for facility operators and responsible personnel.

Each system includes access to a secure cloud-based web portal (URL), available only to designated end-user personnel. The password-protected web portal gives users access to the system Dashboard and web user interface (WUI). The Dashboard/WUI consists of a real-time spill monitoring system display, remote bi-directional system control, access to data/alarm history, and administrative functions. System administrator(s) designate which personnel receive text/email spill alerts and which personnel are permitted to adjust oil detection sensitivity.

All components and services are provided as a bundled package, including system design, hardware, data/web-hosting, installation, and maintenance, for a single, affordable, monthly or annual fee. No need to own any equipment or perform anything more than basic routine maintenance and system checks.

System Overview

- One to four sensors per platform
- Continuous monitoring for crude, fuel oil, slop oil, diesel
- Wireless transmission of detection alerts and system status
- System access via Dashboard (web user interface)
- Optional interface (relay output) to user's SCADA / DCS
- Optional local audio/visual alarm
- Optional still, video, or IR camera

Primary System Components

Oil Detection Monitor

- Slick Sleuth Model SS320EXd (8m range typical)
- Highly sensitive, optical, non-contact oil detection
- Micron-level sheen sensitivity (user adjustable)
- Patented UV filter-fluorometry methodology
- Marine grade aluminum 5086/5083, IP68 (submergible)
- IECEx/ATEX Certified for Zone-1 installation
- Weight / Dims: approx. 110 lb / 19.5" x 17.5" x 12"
- Operates using 110/220 VAC or 24VDC (from platform)
- Optional self-contained solar/DC power supply
- Conforms to US EPA Standard EPA/530/UST-90-009

Wireless Modem

- Slick Sleuth UpLinker gateway/3G modem
- One modem connects up to four oil detectors
- "Web-Socket" technology for bi-direction connectivity
- FCC/CE certified for compliance with global RF regulations

Slick Sleuth Web Portal

- Dashboard display
- Real-time remote alarm notifications
- Bi-directional remote system command & control
- Web-based graphic user interface
- Data & alarm history, archive & reports
- Remote connectivity for technical service & support
- Windows, Linux, & Mac
- Includes web portal access and all wireless data

4x spill monitors – alerts to web enabled devices optional outputs to control room &/or A/V alarm

InterOcean Systems, LLC is an affiliate of Delmar Systems, Inc.