Oil Spill Detection

Envitech Introduction

• Is an ISO 9001:2008 Company, established in early 2012, the company offers a wide array of integrated services to support operations for land-based industries and offshore industries.

• Our in-house capabilities in technology development are complemented by tie-ups with world leaders. We provide state-of-the-art products & solutions to a large and diverse customer base.

• The company has associations with renowned manufacturers, major system solution providing companies across Europe, USA, Far East and the Sub-Continent

• Our clients include major Oil and Gas Companies, Projects, Refineries, Industries and Contractors in the Middle East, Central Asia and Africa.
OIL SPILL DETECTION SYSTEMS:

Envitech is proudly the only provider of the latest varied range of Oil Spill Monitoring & Detection Systems.

Envitech Oil Spill Detection Systems consist of:

- **Oil Spill Detection - Non-Contact Optical UV Sensor**
- **Oil Spill Detection - Aerial / Airborne Surveillance**
- **Oil Spill Detection - Radar Systems**

**Oil Spill Detection - Non-Contact Optical UV Sensor**

These detectors are used in a wide variety of industrial and environmental applications for remotely detecting oil spills in real-time.

The Detectors:

- Automated Non-Contact Oil Spill Sensor
- Detect & Control Oil Spills in Real Time
- Certified to meet EPA Standards
- Highly Sensitive Optical Sheen Detection
- Cost Effective and Low Maintenance
- SCADA / PLC Compatible
- Around the clock protection against the risk of leaks & spills
The Theory of Operation

**Basic Operation**

*Non-Contact UV Filter-Fluorometer*

- **Immune to Ambient Conditions**
  - Sunlight/Darkness, All Weather, Waves, etc.
- **Highly Sensitive**
  - Detects Oil Sheens Down to One (µm) Micron
  - User Adjustable Sensitivity
- **Proven Technology**
  - Same principle as used in lab analyzers but simplified & made robust for field deployment

The Network Array

A Wireless Slick Sleuth System Array can consist of any number of Slick Sleuth Oil Detectors and a Base Station Computer with Application Software communicating via wireless telemetry. The Base Station Computer collects and stores data for each Slick Sleuth, sends alarm notifications, and may be interfaced with a facility's existing central monitoring/control system, such as PLC and SCADA.

The different models available:

- Smallest Detector (Tanks Application)
- Detector (Land & Sea Application)
- Explosion Proof Unit (Hazardous Area)

Detector on Buoy (Offshore Application)
The Software Display

System Array of detectors at various locations:
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