

Updated: March 2018

Technical Assessment

Important points

- ROW detects oil film on water's surface
- ROW is a detector (like a smoke alarm); it gives YES or NO to the presence of oil.
- ROW is a non-contact sensor, so it avoids contamination and remains maintenance-free
- ROW standard detects most oils
- Light Fraction ROW detects aviation fuel (JetA), kerosene, even some BTEX (toluene, xylene)
- Accessories like data loggers or wireless modems are quoted separately and arranged by our local distributor. LDI provides technical recommendations.

Information from final customer

1 Application/Industry

Oil Refinery
Fuel Depot or Storage
Power Plant or Desalination Plant
Industrial Manufacturing
Port (Shipping Port) or Marina
Offshore (Marine, Lake, River Monitoring)
Municipal Water or Drinking Water Facility
Other - Specify

2 Installation point(s)

Sump Pit
Rain Water Basin, or Rain Water Collector
Discharge Channel / Canal / Sewer
Offshore Installation - Buoy, Platform, Ship, etc...
Pier or Jetty
Others - Specify:

3 Installation Conditions

Safe Area (Non-Hazardous)	Zone 1 (Hazardous, Explosive Environment)
Number of ROW units needed	
Version of ROW - Aluminum	Stainless Steel Ex d

Water Conditions - flow speed (estimate) and level (+- meters)

Distance (Vertical Range) from Detector to Surface (Water or Ground)

Information from final customer continue

4 Type(s) of Oil Contamination (Select all applicable)

Crude Oil
Diesel
Fuel Oil
Lubricant or Turbine Oil
Gasoline
JetA Fuel or Kerosene
Vegetable Oils (Corn, Coconut, Palm, etc.)
Others - Specify:

5 Additional Accessories

RS485 to USB Cable Converter - for ROW calibration only
AC to DC Voltage Converter - for ROW calibration only
Local Alarm
Cable Length (default 5m), need longer? metres
Wireless - data logger, radio, GSM modem etc...

6 Timeline

Immediate Requirement (1-2 months)
Future Requirement (4-6 months)
General Inquiry
Others - Specify:

7 Project Status

Fully Funded
Funding Pending
No Funding Allocated
Future Planning

8 Reference

Name of Project or End Customer
Disclosure Photos or Name for LDI Case Study?

Provide any other details applicable to the installation and implementation of this project.