

## \*\*COMPLETE THIS FORM TO INITIATE SUPPLIER SCOUTING\*\*

### MEPNN Supplier Scouting Opportunity Synopsis

\*The submitting organization (MEP Center, requesting company, federal/state agency) agrees to notify NIST MEP of the status of actions taken as a result of this scouting instance within 30 days after receiving a results report. Notification should be via email to [scouting@nist.gov](mailto:scouting@nist.gov), indicating the following:

- Contact with matches identified in report complete and supply contract awarded, process complete
- Contact with matches identified in report complete and no supply contract awarded, process complete
- Contact with matches identified in report complete and supply negotiations underway, process in progress
- Contact with matches identified in report underway; supply negotiations not yet begun; process in progress
- Contact with matches identified in report not yet begun, process in progress
- Contact with matches identified in report will not occur within the next 6-months, process complete

**INSERT ITEM NAME HERE**

\_\_\_\_\_ days

**Opportunities will be posted for 30 days unless specified**

Item to be Scouted

Please describe the item application/ the end use of item.\* Provide the item number if applicable: (N95 Mask vs Protective Mask).

*Ex: What is it used for? What does the company need it for? For additional guidance....*

\_\_\_\_\_

Supplier Scouting Number (NIST MEP use)

\_\_\_\_\_

Scouting customer/product [NAICS Code](#), if known

<b>TECHNICAL INFORMATION:</b>	<b>1. Supplier Information</b>	<b>a. Type of supplier being sought*</b>
		<input type="checkbox"/> Manufacturer <input type="checkbox"/> Contract Manufacturer <input type="checkbox"/> Distributor <input type="checkbox"/> Other _____
	<b>2. Summary of Technical Specifications and Performance Requirements:</b>	<b>b. Reason for scouting submission*</b>
		<input type="checkbox"/> 2 <sup>nd</sup> Supplier <input type="checkbox"/> Price <input type="checkbox"/> Re-shore <input type="checkbox"/> Past supplier no longer available <input type="checkbox"/> New Product Startup <input type="checkbox"/> Other _____
		<b>a. Describe the manufacturing processes (elaborate to provide as much detail as possible).*</b>
		<i>Ex: injection molding, metal casting, electronic assembly;</i>
<b>b. Provide dimensions / size / tolerances / performance specifications for the item.*</b>		
<i>Ex: 16" x 9" sheets; clearance of .005mm;</i>		
<b>c. List required materials needed to make the product, including materials of product components.*</b>		
<i>Ex: Steel plate and rivets; High Density Polyethylene</i>		

BUSINESS INFORMATION:	2. Summary of Technical Specifications and Performance Requirements cont:	d. Are there applicable certification requirements? * <input type="checkbox"/> Yes <input type="checkbox"/> No Please explain <i>Ex: Needs to be compliant with Underwriters Laboratory certifications.</i>
		e. Are there applicable regulations? * <input type="checkbox"/> Yes <input type="checkbox"/> No Please explain <i>Ex: Needs to be compliant with FDA regulations; For additional guidance...</i>
		f. Are there any other standards, requirements, etc.? * <input type="checkbox"/> Yes <input type="checkbox"/> No Please explain <i>Ex: Needs to be compliant with ASME, IEEE; For additional guidance...</i>
		g. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.
BUSINESS INFORMATION:	3. Volume and Pricing	3a. Estimated potential business volume (i.e., # Units Per Day, Month, Year) *: <i>Ex: 20 units per week, 150 per month, 5000 units per year;</i>
		b. Estimated target price / unit cost information (if unknown, explain) *: <i>Ex. \$x.xx per unit, bundle, group;</i>
	4. Delivery Requirements:	a. When is it needed by? (Immediate, 30 Days, 6 months, etc.)* <i>Ex: Immediate, 2 weeks, 3 months, etc.</i>
		b. Describe packaging requirements (i.e., individually/group packaging)* <i>Ex: Individually wrapped, palletized, groups of 5;</i>
		c. Where will this item be shipped? * <i>Ex: city, state; For additional guidance...</i>
	5. Additional Comments:	Is there other information you would like to include?

Photos or diagrams of the item (helpful but not required).

Laser Diagnostic Instruments

LDI ROW

# REMOTE OPTICAL WATCHER

The ROW is an autonomous non-contact sensor for the detection of oil on water. It monitors industrial sites for oil spills and leaks so you can respond quickly. Protect drinking water sources and safe-guards heavy industrial equipment from lubricant or leaks; protect the environment.

## › 24/7 OPERATION EVEN IN HARSH ENVIRONMENTS

Day or night, in arctic cold or scorching heat, the ROW helps you pinpoint the polluters, take action, and avoid lasting damage. The sensor is available in aluminum, stainless steel or ATEX EXD enclosures.

France,  
Sewer Monitoring

Poland, Power Plant

\* Different oils from each country have different properties. Check with LDI or send samples for testing.

## ROW DETECTS\*:

motor oils, turbine oils, vegetable oils, fuel oils,  
marine diesel oils, crude oils, heating oils,  
lube oils, hydraulic oils,  
gas oils, motor oils,  
mineral oils

## › LONG LIFE, GO OFF-GRID

Robust IP68 certified hermetic design and 5 year LED lifetime. Low power consumption of < 2W with optional remote operation using solar panels, batteries and wireless telemetry.

## › NON-CONTACT DETECTION INSTRUMENT

This means easier installation, no bio-fouling, and no maintenance.

## › INDUSTRIAL LEADING SENSITIVITY

With almost 30 years of experience in R&D, LDI has created the ROW that uses UV LED light to excite oil's native fluorescence. The ROW's photo-optics can detect oil films down to 1 µm layer, while minimizing false alarms.

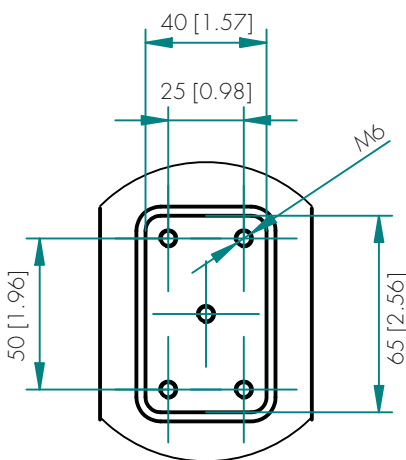
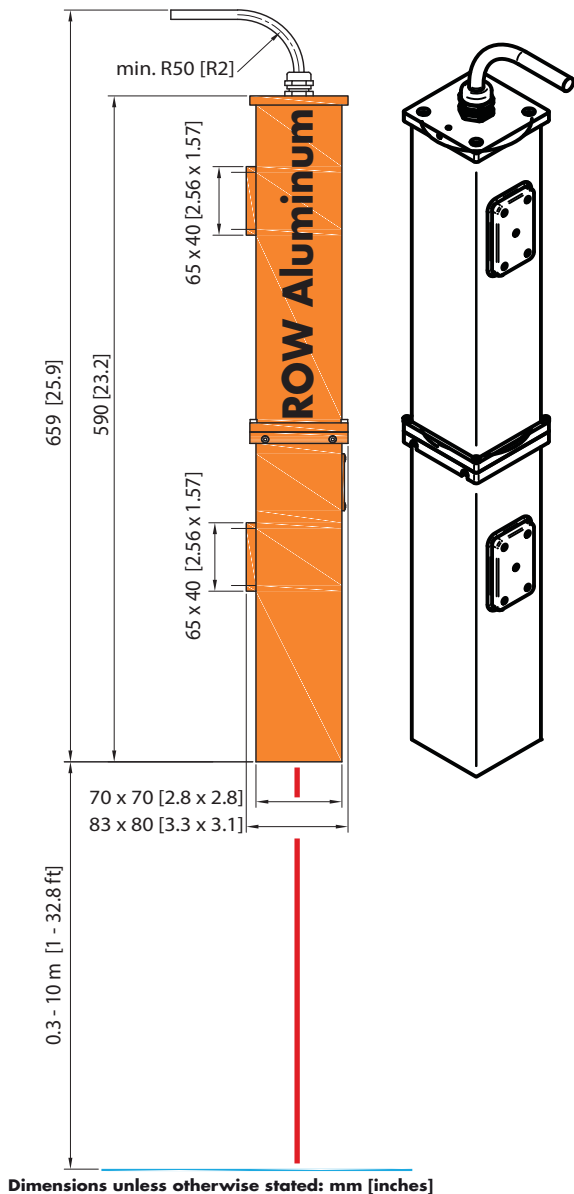
Estonia,  
Water Treatment Plant

South Korea,  
Municipal River  
Monitoring



Optical non-contact and autonomous sensor for real-time detection of oil contamination - UV fluorescence technology

## TECHNICAL SPECIFICATIONS



<b>MODEL</b>	O-2311A ( <b>Aluminum</b> )	
<b>SENSITIVITY</b>	> 1 µm (micron) oil film	
<b>OIL DETECTION*</b>	Medium (diesel, lubricants etc..) & heavy (crude, bunker fuels etc..) oils	
<b>RANGE</b>	up to 10 m [33 ft] from surface	
<b>OPERATION TEMPERATURE</b>	-30°C to +60°C [-22°F to 140°F]	
<b>ENCLOSURES</b>	IP68, hermetically sealed, weather proof Anodised Aluminum, powder coating, purged (Ar)	
<b>DIMENSIONS (L x W x H)</b>	590 x 83 x 80 mm [23.2 x 3.3 x 3.1 in] device dimensions Comes with mounting plates for installation	
<b>WEIGHT</b>	1.8 kg [3.97 lbs] with sunshield extension	
<b>POWER OPTIONS (Input)</b>	12 – 24 VDC (10V - 30V) as standard Optional: 110/220 VAC, 60/50 Hz AC/DC adapter, solar/battery options	
<b>POWER USAGE</b>	< 2 Watt (DC)	
<b>LIGHT SOURCE</b>	Pulsed UV LED	
<b>LED LIFETIME</b>	5 years typical, thereafter, LED replacement	
<b>OUTPUTS</b>	Relay contacts, RS-485, 4-20 mA (as standard)	
<b>TELEMETRY OPTIONS</b>	RS-232 Ethernet/LAN Audio alarm Wireless Radio Link Wi-Fi GSM	Custom Solutions: Optional adapters available, contact Sales Engineer for additional information
<b>USER INTERFACE</b>	ROW Configurator software for setup & adjustment ROW Manager software for network visualization	
<b>CERTIFICATIONS</b>	EN 61000-6-2, 61000-6-3, 61326-1, 61000-4-2, 61000-4-5, 61000-4-6, 61000-4-8, 61010-1 <b>US EPA:</b> EPA/530/UST-90/009 <b>IP68:</b> EN 60529	
<b>WARRANTY</b>	2-years factory warranty as standard, supported worldwide	

\* Different oils from each country have different properties. Check with LDI or send samples for testing.