

DEMONSTRATION OF OIL SPILL DETECTION

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This demonstration shows the ability of selective detection of oil spill using the network of stationary single pixel fluorometers. Experiment will show remote real-time detection of light (car Diesel) and medium (Marine Diesel Oil) oil products using two sensors.

Experiment programme:

- Instrument setup
 - Device description
 - Software demonstration
 - Configuration
- Trials
 - Pollution of clean water with false positive samples (foam plastic, etc.)
 - Pollution of clean water with oil samples
- Fluorescence signal and background analysis
 - Demonstration of alarm