



CHALLENGING LIGHT
FOR OUR PARTNERS

SR-BIOSPECTRA

SHORT-RANGE BIOAEROSOL DETECTION

INO has been working for over ten years on the problem of efficiently and accurately detecting biological agents. In fact, research began in 1999 on an innovative bioaerosol sensor known as SINBAHD (Standoff Integrated Bioaerosol Active Hyperspectral Detection). SINBAHD is still used today by DRDC (Defence Research and Development Canada) to develop capabilities for detecting, classifying and tracking biological agents.

SR-BioSpectra is the latest biological detector designed by INO. SR-BioSpectra is a short-range compact spectrometric lidar based on Laser-Induced Fluorescence (LIF) that is capable of detecting and classifying bioaerosol for Defense & Homeland Security applications. This technology was developed under a CRTI project in partnership with MacDonald, Dettwiler and Associates Ltd. (MDA), Telops, DRDC-Valcartier and DRDC-Suffield.

FEATURES

Detector tailored to the needs of first responders:

- . Lower cost than competing technologies
- . Short range
- . Small size
- . Easy to use
- . Modular design

Suited for:

- . Critical facilities
- . Semi-enclosed facilities
- . Stadiums
- . Subways
- . Airports
- . Etc.

Uses:

- . Detecting environmental hazards
- . Decontamination efforts
- . Managing the after effects of a biological attack by providing safe pathways for evacuation
- . Protecting key assets and events from attack by enabling permanent monitoring

SR-BioSpectra has many advantages over other sensors available today:

- . It requires no cost per test, contrary to mobile lab requiring consumables
- . Sensitivity of 40 ACPLA of bioagents at 100 m
- . Built-in network capabilities
- . Spectral detection over 32 channels



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