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Eberline Services

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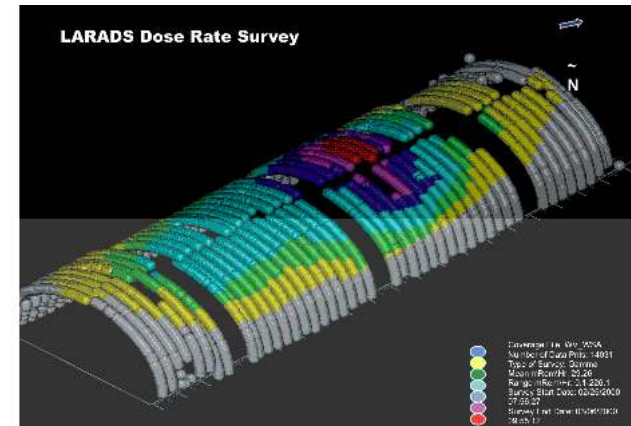


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RADIOLOGICAL MAPPING SERVICES

Providing radiological
survey and mapping
services using our GPS
and laser-based survey
technologies



Data can be mapped on digital
photos or drawings showing
contamination locations and levels.



Radiological Mapping Services

As radiological characterization experts, Eberline Services sets the industry standard for performing and documenting radiological surveys for characterization, decontamination and decommissioning, radiation dose rates, release for unrestricted use, and contamination control.

Global Positioning Environmental Radiological Surveyor

In the early 1990s, Eberline Services identified the need for a system that would integrate radiological survey and positioning data and present them in an easy-to-read and understand format. Eberline Services led the development with GPERS, the first successful integration of the global positioning system (GPS) and radiation detectors.

Advantages of GPERS include:

- Interfaces with almost any radiation detector available and simultaneously records information from multiple detectors
- Provides data in database format that can be overlaid on digital photographs, CAD drawings, or GPERS-generated drawings
- Yields repeatable data, allowing easy relocation of contaminated areas
- Deploys quickly due to portability
- Provides ideal tool for pre- and post-remediation survey requirements with MARSSIM-compliant data.



We use GPERS for outdoor surveys with accuracies of < 2 cm.

Laser-Assisted Ranging and Data System

Eberline Services' LARADS integrates the output of standard radiation detection systems with a laser positioning total station.

Advantages offered by LARADS include:

- Interfaces with a number of radiation detecting probes, including alpha, beta, ion chambers, NaI, underwater, and neutron
- Eliminates need for grid establishment; exact position of survey point is recorded in an X, Y, Z coordinate system and accurate to one inch
- Provides data in database format that can be overlaid on digital photographs, CAD drawings, or LARADS-generated drawings
- Establishes scan speed to ensure that minimum detectable activities (MDAs) are not exceeded; preset alarm can be entered into software to alert surveyor to slow down
- Provides surveyor with graphic display of area surveyed, ensuring that coverage meets survey plan designs
- Yields MARSSIM-compliant data, making it ideal tool for pre- and post-remediation survey requirements.



We use LARADS for indoor surveys or in outdoor areas where GPS signal is unreliable.

- Are you satisfied with the quality of your survey documentation?
- Are your survey records clear, concise, and easy to understand?
- Do regulators accept your survey records without question?
- Are your survey data conducive to performing statistics over specified areas, look for both hot spots and average levels of contamination?
- Does your survey documentation system guide you remediation efforts to reduce waste disposal costs?
- Does your survey documentation identify the locations of your soil samples, static counts, smear locations, and other sampling points?

If you cannot answer these questions affirmatively, contact us today to access our state-of-the-art radiological mapping tools and expertise.

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