

Key Benefits

Unlike other scanning systems on the market, MMPDS Gen3 is a safe, environmentally friendly detection system that harnesses naturally occurring cosmic ray muons and electrons, ensuring no active ionizing radiation source is used. Our unique "safe" system spells out key benefits including smart, automatic, fast and effective features.



- SMART.** Machine learning algorithms will improve system performance for known materials of interest, with the ability to adapt as new threats emerge.
- AUTOMATIC.** Will automatically clear cargo or recommend further inspection.
- FAST.** Quickly clears cargo or detects suspicious materials.
- EFFECTIVE.** Automatic and passive system allows operators to safely perform duties (multi-task) while scanning takes place.
- SAFE.** 100% natural and passive system. No safety exclusion zone required. SAFE for people, SAFETY for the nation.

The Next Generation of Non-Intrusive Inspection



Decision Sciences develops security and detection products that bring together cutting-edge science, hardware and software development, systems integration, and manufacturing to improve the safety and security of the global community.



The MMPDS Gen3 is a safe and automated scanning system that can quickly clear most cargo containers or detect suspicious content and alert operators for secondary inspection.



About Decision Sciences

Decision Sciences, a provider of advanced security and contraband detection products, is headquartered in San Diego, CA and has additional offices in Washington, D.C. and Singapore. Decision Sciences brings together cutting-edge science, hardware and software development, systems integration and manufacturing to improve the safety and security of the global community. Based on revolutionary and disruptive technology originally invented by physicists at the U.S. Department of Energy Los Alamos National Laboratory, the Multi-Mode Passive Detection System (MMPDS) was subsequently developed with considerable private sector investment and expertise. The MMPDS is a totally passive, safe, effective and automated scanning system for quickly detecting, locating and identifying unshielded to heavily shielded radiological and nuclear threats, explosives and has the ability to assist operators in finding other contraband including weapons, alcohol, cigarettes/tobacco, drugs/narcotics, precious metals, smuggled humans and numerous other items of interest and anomalies.



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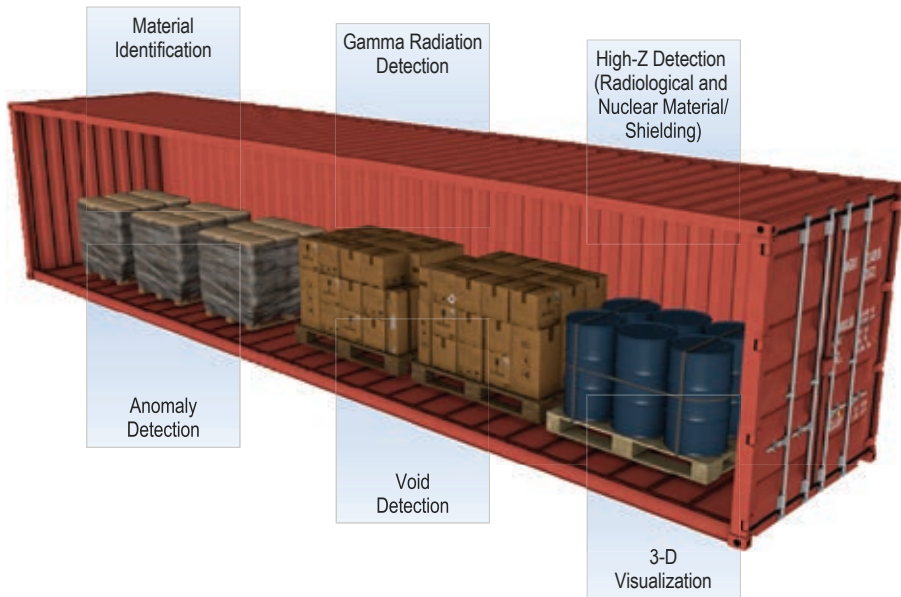
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MMPDS Gen3 Advanced Performance and Capabilities



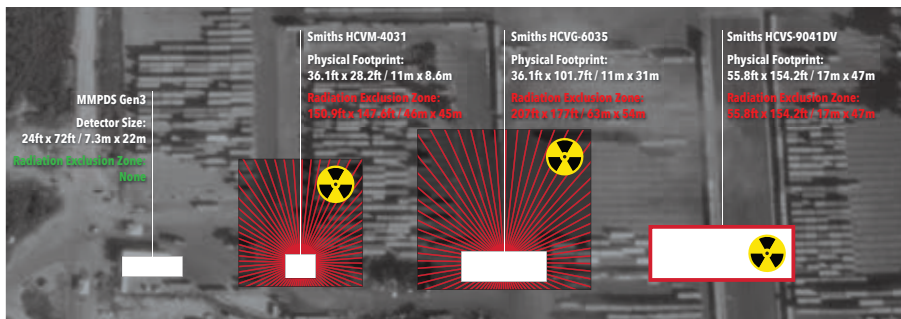
- ▶ MMPDS Gen3 automatically alerts users if High-Z objects, gamma radiation, anomalies, and/or voids are detected. These alerts are viewed by the operators in 3-D.



- ▶ MMPDS Gen3 IS THE ONLY EXISTING SYSTEM capable of passively detecting shielded nuclear material, contraband or anomalies in commerce.

MMPDS Gen3	X-ray/Gamma Radiation
<ul style="list-style-type: none"> • Naturally occurring particles mean no ionizing radiation • A totally passive system, no safety exclusion zone required • Provides automatic detection and material identification • Allows for additional operator visual interpretation of 3-D image • Low cost maintenance • Low operating expense and high throughput • Can penetrate over 1,000 mm of steel 	<ul style="list-style-type: none"> • Uses harmful ionizing radiation technology • Requires safety exclusion zone • No automatic detection or material discrimination • Requires operators' visual interpretation of 2-D image • High cost of maintenance and replacement parts • High operating expense and low throughput • Limited penetration capability

- ▶ The unique passive detection technology uses only what mother nature provides—natural cosmic ray energy—and requires no safety or exclusion zones or dedicated buildings to contain high energy radiation sources.



- ▶ The fast clearing capability and the passive nature of the system allows for a much larger percentage of cargo to be scanned.

- No active radiation source
- Driver remains in vehicle
- Inspectors interact with driver during scan
- No RADIATION exclusion zones