



**LDS**

LASER DETECT SYSTEMS OF AMERICA

# SPHERE™

## Comprehensive Integrated Inspection System

LDS' SPHERE™ - is a comprehensive, integrated array of inspection and detection systems providing security forces the ability to rapidly deploy and effectively detect explosives materials and narcotic substances in the field



MOBILE UNDER VEHICLE SCREENING AND INSPECTION PLATFORM



AERIAL SURVEILLANCE

LASER DETECTOR



MOBILE, RAPID DEPLOYMENT VEHICLES SCANNING SYSTEM

CHEMICAL DETECTOR



IMS TECHNOLOGY DETECTOR

PERIPHERAL JAMMING SYSTEM



PERIPHERAL VIDEO RECORDING SYSTEM



# SPHERE™

## Comprehensive Integrated Inspection System

SPHERE™ system integrates explosive detection systems of different disciplines and detection techniques, all designed for rapid, simple operation by ordinary law enforcement agents. These systems are designed to effectively and rapidly inspect materials, vehicles and people for the presence of explosives or narcotic materials.

In addition to detectors that rapidly identify explosive and drugs SPHERE™ also incorporates complimentary and supporting elements necessary for snap roadblocks, such as, mobile vehicle scanning systems that detect concealed objects underneath vehicles, 360° ground and aerial surveillance and Counter-IED jammers ensuring self-protection of the deployed force.

SPHERE™ sensors consist of LDS' exclusive Laser Raman Spectroscopy technology, Ion Mobility Spectrometry (IMS) and chemical detection systems. These sensors detect explosive materials or precursors in bulk, powder, liquids, and traces in vapors or particles. Applied in mobile, hand-held devices, and supported by mission control and communications, SPHERE™ enables rapid dissemination of intelligence and threat libraries, enabling security forces to focus on new threats or intelligence gained from forensic investigations of terror attacks or crime scenes.

Inspection checkpoints are assembled in minutes, effectively intercepting explosive devices in transit or movement of explosive precursors – providing law enforcement forces with unprecedented levels of control

### SPHERE™ Advantages and Benefits

- High probability of Detection of Explosives and Narcotics
- Field Operation
- High Throughput
- Rapid Setup & Teardown

### Deployment Schedule

