

CIMS

COUNTER-IED & COUNTER MINE SUITE

■ ELI-3375



When Results Matter

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General

The IAI-ELTA ELI-3375 Counter-IED and Counter Mine Suite (CIMS) is an integrated protection system for detection of surface and underground IEDs, mines, and roadside bombs. The CIMS suite was designed under the guiding principle that no single sensor can provide the adequate detection probability and low false alarm rate required by today's operational C-IED needs. The integration of the sensor suite through a central processing and management system, delivers accurate synergetic real-time mapping of IED threats to the warfighter, requiring minimal training and decision making. The CIMS suite consists of the ADS - Above-surface Detection System, and MIDS - underground Mine and IED Detection System. The CIMS Suite or subsystems can be adapted to any combat tactical vehicle.

CIMS Suite Subsystems

- CEM²S – Combat Engineering Mission Management System. Combines and creates synergy between the various sensors, improving detection capabilities and incorporating advanced combat engineering mission management
- ADS
 - SIDER (Surface IEDs Detection Radar) – innovative SAR radar which provides detection of surface IED and mines deployed in front or on the sides of the vehicle
 - GPODS (GigaPix Optical Detection System) – advanced electro-optical capabilities for detection of IED and mines deployed on the ground in front or on the sides of the vehicle
- Medium wave infrared multispectral IEDs investigator
- MIDS
 - Advanced unified detection logic of a metal detector with a Ground Penetrating Radar (GPR)

Features

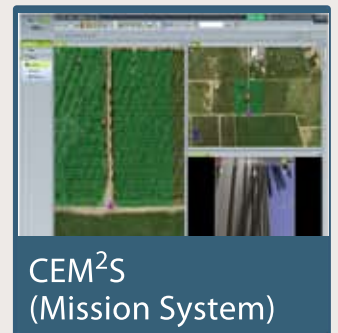
- Integrated multi sensor detection suite
- High-performance detection capabilities of surface and underground IEDs and mines
- 270° early warning coverage of the combat platform
- Simple user operation
- Works and operates at varying vehicle speeds
- Installed on manned or unmanned platforms
- Day and night, all weather operation
- Disguised IED detection capabilities
- Automatic cueing of the investigating sensors
- Clean Route recording capability of obstacles, IEDs and mines
- Accommodates countering techniques and hard kill systems tailored to customer requests



ADS



MIDS



CEM²S
(Mission System)