LEDS-50 MK2
The Intelligent Automated Soft Kill Solution.

DETECT

OBSCURE

RESPOND

EXPLOIT

Land Electronic Defence System (LEDS) 50 MK2 is an integrated, modular, Active Protection System consisting of a Laser Warning Sub-System (LWSS) and an Effector Control Sub-System

The solution provides combat personnel with vital situational awareness on laser threat engagements, countermeasures available, current protected/covered areas under dynamic conditions and allows for full automatic or manual responses against threats.

The response ranges from multispectral obscuration up to integrated 3rd Party Effectors.

SAAB

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LASER WARNING SUB-SYSTEM

The LWSS is an integrated, modular, Active Protection System consisting of Laser Warning Sensors (LWS), an Active Defence Controller (ADC) and an optional Human Machine Interface (HMI).

THE CONTROLLER OFFERS

- Option to integrate to the host Battle Management System (BMS).
- Option to integrate to an external on-board smoke control unit (SAAB or 3rd party) to fire the on-board smoke grenades, manually or fully automated.
- Option to integrate to and cue other effectors (such as a Remote Weapon Station (RWS) or Infrared Red Jammer).

INTERFACES

The LWSS offers the following external interfaces:

- CAN Bus, Ethernet, RS422, USB channel, discrete lines.
- Audio with Audio Press-to-Talk channel.
- Countermeasure dispensing control and fire authorisation channels.
- On-board emitter blanking.
- Mil Std - 1275D Power Management.

SPECIFICATIONS

The LWS Specifications are:

- Wavelength Coverage: 0.5 to 1.7µm.
- Threat Coverage: Laser Range Finders, Laser Target Designators, Laser Beam riders, Laser Dazzlers and Modulated Illuminators.
- AOA Azimuth LBR: 22.5° Resolution (Typical 11°- 15° RMS).
- AOA Azimuth Other: 7.5° Resolution (Typical 4°- 5° RMS).
- AOA Elevation: 0°, 45° or Top Attack.

FEATURES

The Solution offer the following features:

- Scalable Solution.
- Stand-alone or integrated mode of operation.
- Hemispherical coverage.
- Detects and Manages all known lasers associated with anti-armour threats.

Threat management through user defined threat libraries. (classification and identification and library linked prioritisation).

- Threat reporting through visual and auditory means.
- Low false alarm rate, <1 in 24 hours.
- Unique anti-reflection capability.
- Built in Test capability.