G-AMB

MOB 1

G-AMB

MOB 2

LCMR

SKYKEEPER SENSE & WARN (SS&W)

AUTOMATED SENSE & WARN FOR BASE PROTECTION

LOCKHEED MARTIN

SKYKEEPER SENSE AND WARN (SS&W)

IMPROVING SURVIVABILITY THROUGH TRUSTED EARLY WARNING

The SkyKeeper Sense & Warn (SS&W) system provides an operationally proven, advanced and deployable capability. SS&W will detect and classify incoming ballistic projectiles and alert threatened personnel.

SS&W is located typically in bases operating in hostile environments; SS&W identifies hostile weapon releases, provides time-sensitive location-specific warnings that lead directly to significant improvements in personnel survivability.

SS&W is highly adaptable and, in typical configurations, is able to deal with threats that are unpredictable, originate from any direction, and are launched from distances of between 500m to 10km.

SS&W employs an advanced data fusion engine that combines data from a variety of sensor inputs to provide automatic threat detection and classification together with a local air picture. Manual override is also available if required.

SS&W can operate in a stand-alone configuration or as part of a wider networked system providing expanded coverage that can optimise the use of assets.

CAPABILITIES

COMMAND & CONTROL

SkyKeeper Sense & Warn is highly versatile, allowing the user to:

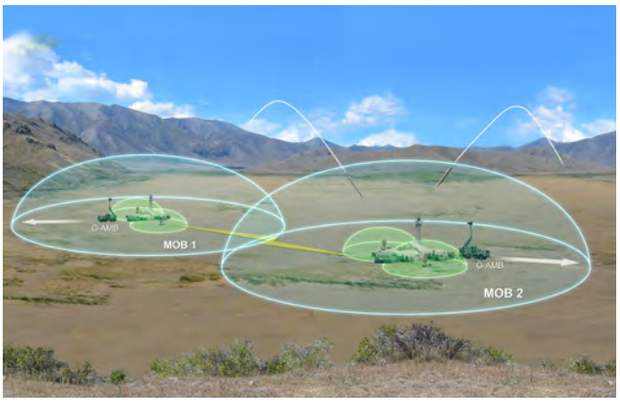
- Define, display, and implement areas of interest, including threat warning and defended areas.
- View information on detected threats, such as the point from which the threat was launched, the predicted impact point, and the trajectory of the threat.
- Activate base warning alerts when the predicted impact point is within a defined warning area. Standard interfaces to a variety of mass notification systems are included, for example TACWAVES.

SENSOR INTERFACES

The system operates with a number of primary sensor feeds, including the G-AMB, LCMR, MAMBA and DAGGER radars.

EXPANDABILITY

The SS&W system is easily expandable and can be upgraded to include additional sensor feeds, for example, provision of an ASTERIX radar interface. As a member of Lockheed Martin's SkyKeeper family, SS&W upgrade options include implementation of additional communications mechanisms such as Link 16 and encrypted SATCOM.



KEY FEATURES

- Standalone or networked system for tactical or main base protection.
- Affordable coverage with standardised interfaces for easy customisation and scalability.
- Accurate threat classification and point-of-impact prediction.
- Low false alarm rate with high probability of detection.

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