SKY WARDEN

A SCALABLE SYSTEM TO COMBAT UNMANNED AERIAL THREATS

Based on our experience in air defence and effects management, Sky Warden – the new flagship system to counter unmanned aerial systems (C-UAS) is a modular system, designed to integrate and control a large range of sensors and effectors. This scalable system can effectively neutralise any form of threat, from tactical drones to reconnaissance mini-drones, as well as other traditional 'air breathing' threats.

Operational features

The Sky Warden system manages the full C-UAS kill chain from detection to neutralisation and is designed to operate both as an integrated component in a layered air defence architecture, or in a standalone configuration. Sky Warden can be vehicle mounted or dismounted, to satisfy needs of both mobility and deployability.

Sky Warden uses a networked eco-system of constantly evolving sensors and effectors, drawn from MBDA's wide experience in air defence and effects management, to match the UAS threat and its evolutions.

Being modular, scalable, and evolvable, Sky Warden can be tailored to specific customer requirements to effectively and appropriately match specific complex operational scenarios.

Operational advantages

- **A modular, scalable, and evolvable system**
- **Neutralises Class 1 & 2 UAV**
- **Integrating and controlling a large panel of sensors and effectors**

MBDA

GROUND BASED AIR DEFENCE

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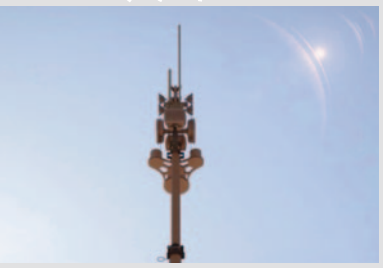




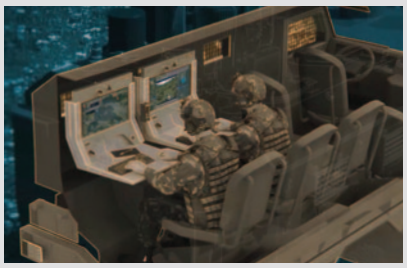


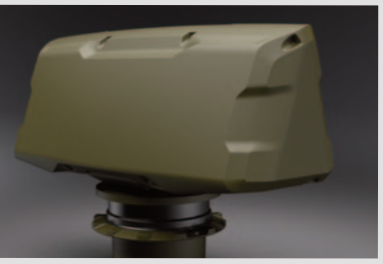


Modularity as base design

The threat set to counter during a C-UAS mission is wide: different sizes, materials, kinematics characterise each drone.

By leveraging its modular design, Sky Warden utilises a heterogeneous set of sensors to improve its detection capability.

The extensive test campaigns conducted to mature the product have demonstrated how the Artificial Intelligence algorithms included in its Command and Control allow the system to drastically reduce the occurrence of false alarms, providing a clear tactical picture to operator. In addition, the Electro-Optical system, integrating specific Artificial Intelligence algorithms for image processing, allow an early identification of the type of UAV approaching, this being an important step forward to determine the most appropriate effect, tailored to operational context, to neutralise the attack.

A heterogeneous threat set to counter requires a heterogeneous effectors set. Sky Warden can manage a variety of effectors, from jammers to Directed Energy Weapons, drones counter drones, guns and missiles, offering a unique and unmatched performance.

Evolving system to cope with evolving mission

Team Sky Warden brings together highly specialised industrial players in C-UAS technologies.

The ongoing cooperation of the Team Sky Warden members assures the continuous evolution of the system capability in order to have a performance in line with the evolving threat.

Characteristics

- **Core architecture built around modularity**
- **Sensors and effector types and numbers scalable to fit customer needs**
- **Multiple spiral technology options**
- **Threat detection and classification**

TEAM SKY WARDEN

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