

## EM&E C-UAS MOBILE

Mobile version consists of two tactical vehicles (4x4 or 6x6). First vehicle houses passive sensors, EO systems and non-kinetic effector. It also houses the equipment that supports command and control tool. Second vehicle houses the kinetic neutralisation system, consisting of the Remote Controlled Weapon Station together with its own C2. In addition, it also integrates the radar sensor.



## EM&E C-UAS FIXED

The subsystems are deployed at a fixed location chosen by the user, and controlled from a command and control centre housed in a shelter located hundreds of meters away from the sensors and effectors. Selecting best location, the user ensures optimal system operation and coverage, while minimising its visibility in the event of a hostile attack.



# EM&E C-UAS



### DETECTION, TRACKING, CLASSIFICATION, AND IDENTIFICATION OF UAS

At several kilometres using active and passive sensors (thermal and visible camera EO/IR, 3D radar and radio frequency (RF) sensor. Optional acoustic sensor).



### ANALYSIS AND DECISION-MAKING

Command and control: The C2 (Command and Control) software has a unified graphical interface for agile and simple real-time management of all components deployed in the field.



### NEUTRALISATION

Countermeasures: Neutralisation of unauthorised UAS using kinetic (Remote controlled weapon station) and non-kinetic (RF/GNSS inhibitors) technologies.



### INTEGRATION WITH OTHER SYSTEMS

Interoperability: The C-UAS command and control (C2) system has the capability to exchange data with higher-level command and control systems through NATO communication standards.

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# EM&E C-UAS

ANTI-DRONE SYSTEM

# GUARDIAN 2.0

GUARDIAN 2.0 is a dual-axis gyro-stabilization RCWS that offers versatility for day and night operations. The system is specially designed to be mounted both on fixed platforms (based on a container solution) or ground vehicles (such as the mobile version) combining advanced fire control with high shooting accuracy. Being remotely controlled, the shooter can operate the system from inside the vehicle or another protected structure.

GUARDIAN 2.0 integrates an embedded simulation software allowing the Gunner to perform training exercises on different operative scenarios.



# OTEOS HD

OTEOS-HD is a modular gyro-stabilized turn platform specially designed for continuous surveillance, fire control systems and it integrates the latest optronics sensor technology in the visible and infrared bands.

| UAV Class I (0.3 x 0.5 m)  |         |         |
|----------------------------|---------|---------|
|                            | IR      | VIS     |
| Criterion                  | Johnson | Johnson |
| Detection (km)             | 5.49    | 6.06    |
| Recognition (km)           | 2.23    | 2.61    |
| Identification (km)        | 1.19    | 1.40    |
| UAV Class II (2.5 x 3.5 m) |         |         |
|                            | IR      | VIS     |
| Criterion                  | Johnson | Johnson |
| Detection (km)             | 24.12   | 18.33   |
| Recognition (km)           | 14.62   | 13.47   |
| Identification (km)        | 8.40    | 8.77    |
| UAV Class III (8.5 x 16 m) |         |         |
|                            | IR      | VIS     |
| Criterion                  | Johnson | Johnson |
| Detection (km)             | 31.81   | 24.02   |
| Recognition (km)           | 29.89   | 23.77   |
| Identification (km)        | 24.25   | 20.41   |



# OTEOS-S

**OTEOS-S**  
OTEOS-S is two-axis gyro-stabilized electrooptical observation and tracking system specially designed for continuous surveillance of areas of interest, providing long-range observation and precision targeting and tracking capabilities. It includes the different sensors (cooled camera, visible camera, laser range finder and optional laser point) and the automatic video tracker.

The system can operate in three different spectral wavebands, being able to recognize targets at long distances. OTEOS-S can be mounted either on fixed platforms, or over different type of land or naval vehicles.



# SENTINEL 30

**SENTINEL 30**  
SENTINEL 30 has dual axis gyrostabilization that offers versatility under any conditions, for day and night operations, being mounted on any type of platform. It can support and mount the weapon MK44 BUSHMASTER II 30mm, and combines an advanced fire control with high precision shooting for short-medium distances thanks to the integration of its last generation ballistic calculator.

Additionally, the SENTINEL 30 integrates an embedded simulation software allowing the Gunner to perform training exercises under different operative scenarios.