Multi-Sensor Command & Control System (MSC2)

A CENTRAL MANAGEMENT SYSTEM FOR ENFORCEAIR SYSTEMS

LARGE COVERAGE AREAS POSE LARGE COUNTER-DRONE CHALLENGES

Security teams are tasked with the difficult assignment of securing large areas from rogue drones. This is a challenge for many sectors, including **airports**, **border forces**, certain **critical infrastructure** sites, and **outdoor events**, such as marathons and stadiums. Regardless of the type of anti-drone technology they choose, these organizations usually must purchase multiple counter-unmanned aerial systems (C-UAS). The added systems often require additional operators, raising costs.

C-UAS may also bring integration issues, negatively impacting the user experience. Organizations need a holistic picture of their counter-drone efforts to operate intuitively while covering wide areas.

ENFORCEAIR'S MULTI-SENSOR COMMAND & CONTROL (MSC2)

D-Fend Solutions' Multi-Sensor Command & Control system (MSC2), a central management solution, controls multiple **EnforceAir** sensors remotely from a single server, empowering organizations to **effectively safeguard and cover broad areas** from rogue drones and quickly scale up to meet operational requirements.

MSC2 facilitates expanded and uninterrupted coverage for rogue drone detection and mitigation, without increasing the number of personnel needed to operate multiple EnforceAir systems.

MSC2 DETECTION - A FULL SITUATIONAL AWARENESS VIEW

With MSC2, all drone detections are merged into one integrated situational awareness picture, enabling organizations to transition from "point protection" via a single sensor to securing extensive areas using multiple sensors. Since MSC2 requires the same amount of operating personnel as a single EnforceAir system, it provides a highly **efficient solution** for safeguarding against rogue drones in massive areas.

By seamlessly integrating into third-party C2 systems, MSC2 enables law enforcement and military system operators to view EnforceAir's drone information on their operational C2 platforms, with an option to activate mitigation via third-party platforms. Organizations can seamlessly integrate EnforceAir into their work processes and expand operational awareness beyond the tactical team operating EnforceAir MSC2 at the same time.

In addition, MSC2 eliminates duplications from multiple sensors detecting the same drone.

MSC2 - INTEGRATED MULTIPLE MITIGATION CAPABILITIES

For **enhanced mitigation capabilities**, the MSC2 server selects the best sensor to initiate mitigation, after factoring for radio parameters and ranges. MSC2 integrates mitigation activities by all systems, enabling it to perform multiple mitigations at the same time, even with different systems. In addition, MSC2 allows for an autonomous auto-mitigation mode, supporting operator-free situations.

HOLISTIC VIEW & CONTROL

The MSC2 application provides a holistic view of all the information gathered by the MSC2 sensors. For instance, a drone detected by multiple sensors simultaneously will appear as a single drone event on the map. The MSC2 graphical user interface (GUI) is a web-based application with a similar look-and-feel as EnforceAir, but it offers additional information coming from multiple sensors, such as sensor positions, connectivity status and more.

MSC2 monitors technical status for all connected systems, with remote software updates and administrative access.

The MSC2 GUI can be accessed by a standard laptop in control rooms or a ruggedized laptop in tactical field deployments, with the user interface identical to the standalone system.

MSC2 DEPLOYMENT OPTIONS

MSC2 offers two main deployment configurations:

Stationary
Relevant for fixed installations, and based on a tower server, supporting 24/7, 365-day operations

Tactical
Based on a ruggedized laptop server, and optimal for ad-hoc deployments of multiple sensors integrated to a networked protection capability

The EnforceAir sensors managed by MSC2 can be affixed to vehicles or ships, set up as stationary deployments on poles, or used tactically in the field. Each sensor is connected to the MSC2 server via the IP network.

Just like all EnforceAir systems, MSC2 is continuously updated to ensure that users have the most comprehensive drone threat coverage and advanced capabilities, staying current with constantly changing developments in drone markets and technologies.

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