



Multi-Sensor Command & Control System (MSC2)

A Central Management System

Large Coverage Areas = Large Counter-Drone Challenges?

Some security teams are tasked with the difficult assignment of securing large areas from rogue drones. This is a challenge for [airports](#), [border forces](#), certain [critical infrastructure](#) facilities and [outdoor events](#), such as marathons. Regardless of the type of anti-drone technology they choose, these organizations usually must purchase multiple counter-small, unmanned aerial systems (C-sUAS). The additional systems often require team members to operate them, raising costs.

C-sUAS can also create integration issues, negatively impacting the user experience. How can organizations possibly obtain a holistic picture of their counter-drone efforts and operate intuitively while using non-integrated, disparate systems to cover vast expanses?

Introducing 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 **intuitively safeguard vast expanses of land** from rogue drones and quickly scale up for virtually any operational requirement. MSC2 complements and enhances the EnforceAir systems it manages.



MSC2 facilitates expanded and uninterrupted coverage for rogue drone detection and mitigation, without increasing the number of personnel needed to operate the multiple EnforceAir systems. Organization can transition from “point protection” via a single sensor to securing large tracts of land using multiple sensors. Since MSC2 requires the same amount of operating personnel as a single EnforceAir solution, it is **the most efficient solution** for safeguarding against rogue drones in massive areas.

By **seamlessly integrating into third-party C2 systems**, MSC2 enables top law enforcement and military system operators to view EnforceAir’s drone information on general, map-based C2 platforms, with an option to trigger mitigation via the third-party platforms. Organizations can seamlessly integrate EnforceAir into their work processes and expand operational awareness beyond the tactical team operating EnforceAir.

MSC2 aggregates information from all sensors across the site, providing unified, intuitive operational awareness to support mission-critical decisions. It also eliminates duplications if multiple sensors detect the same drone. For **enhanced mitigation capabilities**, the MSC2 server selects the best sensor to initiate mitigation, after factoring for interference, radio parameters and ranges.



MSC2's Server



D-Fend Offers Deployment Options

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 related to the multiple sensors, such as the sensors’ positions, connectivity status and more.

The MSC2 GUI can be accessed by any EnforceAir tablets via Chrome browser, retaining the rugged EnforceAir tablet as the main interaction device.

Multiple Deployment Options

Drone threats vary by mission, use case and environment, so D-Fend Solutions offers multiple deployment options, providing optimized coverage for a wide variety of scenarios, conditions and terrain types, with rapid and easy set-up.

The EnforceAir sensors managed by MSC2 can be affixed to vehicles or ships, covertly if necessary, 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.

The hardware is lightweight and compact, and can be rapidly taken apart, moved and reassembled in minutes.