



# Sector Solution Overview: National & Homeland Security

## MAJOR THREAT

The escalating prevalence of commercial drones, easily obtainable and growing in sophistication, poses a significant threat to national and homeland security. These unmanned aircraft offer malicious actors a platform for conducting a range of nefarious activities, including aerial surveillance, smuggling contraband, delivering payloads like explosives, and disrupting critical infrastructure. From terrorist organizations utilizing them for reconnaissance and attacks to their unauthorized use at mass gatherings and against government facilities, such threatening drones necessitate effective countermeasures to safeguard national security and public safety.

The risk posed by unmanned aerial systems (UASs) in terror attacks is multifaceted, encompassing scenarios such as the incorporation of chemical or biological components. The threat extends to attacks within densely populated stadiums or open-air venues, strikes on government buildings, landmarks, or critical facilities, and even assassination attempts against political leaders or VIPs. The disruptive potential includes interference with law enforcement, military, or border operations personnel.

## IDENTIFYING THE REAL THREAT

Radars often have trouble differentiating between small drones and other flying objects, and they are complicated to operate. Optic solutions generate false alarms and the problem with many acoustic solutions is that drones are becoming increasingly quiet.

Kinetic counter-drone solutions, which involve shooting down the UAS, are risky in urban areas, as they can cause collateral damage or harm civilians in the area.

Jamming-based solutions, or hybrid solutions featuring jammers for mitigation, usually do not enable capture of the drone, which is a missed opportunity to learn about perpetrators. This anti-drone technology may disrupt local communications, which could also hamper critical communication between homeland security and law enforcement units.

## TESTED, DEPLOYED & TRUSTED AT TOP-TIER ORGANIZATIONS

D-Fend Solutions' EnforceAir, its core counter, unmanned aerial vehicle (C-UAV) offering, has been deployed by top tier governmental agencies – including national and homeland security and justice departments, and military and law enforcement agencies, across complex and sensitive environments.

## TAKEOVER TECHNOLOGY

EnforceAir is a cyber detection and takeover mitigation solution that features proven technology that detects unauthorized or rogue drones, identifies them and then automatically takes control over the drones and lands them in a safe, designated area. Authorized law enforcement and security assigned drones remain fully operational and unaffected.

Importantly, for national and homeland security agencies, even during rogue drone mitigation, continuity can be maintained. **EnforceAir supports the smooth flow of communications, commerce, transportation, and everyday life.**

## AGILE & INTUITIVE

Since National and homeland security personnel face a wide variety of scenarios and drone threats, EnforceAir provides the ultimate in operational agility and flexibility. Its core elements can be easily transferred, mounted, and configured within minutes, enabling personnel to go anywhere at any time. This includes tactical, covert and military vehicle, stationary, long-range directional and man-portable (backpack) deployments, also available in multiuse deployment bundles, offering high performance, counter-UAS capabilities with seamless operational flexibility (SOF).

EnforceAir2 brings enhanced, expanded, and extended C-UAS capabilities, with even more power, performance, portability, and range, all in a compact footprint. Its intuitive graphical user interface and rugged tablet are intuitive and easy to use for all types of operational users.



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