



Sector Solution Overview: National & Homeland Security

MAJOR SECURITY THREAT

Rogue drones pose a significant threat to national and homeland security, as noted in the U.S. Department of Homeland Security's "Countering Unmanned Aircraft Systems Coordinator Act":

"Recent incidents involving unmanned aircraft systems, commonly known as drones, have brought to light growing security concerns and risks due to the increased availability and expanded use of drones. Drones provide both a robust aerial delivery mechanism for potentially hazardous material payloads and anonymity for would-be attackers. ISIS has utilized drones for reconnaissance and munition delivery missions in Iraq and Syria, and other known incidents involving drones have included weaponized use by cartels, smuggling operations, among other things. Additionally, unidentified drones have been flown over NFL and Olympic stadiums, potentially posing a significant threat to millions of sports fans and eventgoers."

Terror attacks by small, unmanned aerial systems (sUASs) could include a chemical or biological component; attacks inside populated stadiums or open-air venues; strikes on government buildings, landmarks, or critical facilities; assassination attempts against political leaders or VIPs; disruption of law enforcement, military or border operations personnel, etc.

CONTROL THE DRONE, CAPTURE THE INTELLIGENCE

To counter the asymmetrical drone threat being waged by militants, some security personnel are using counter-drone methods that cause them to miss a valuable opportunity – the intelligence that captured unmanned aerial systems (UASs) contain. Kinetic counter-drone solutions, which involve shooting down the UAS, destroy this intelligence by destroying the drone. They are also 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.

Neither of these two mitigation methods enables units to easily understand which types of drones are being sent to hamper their missions, or to locate the pilots. Additionally, some detection methods, such as radars, emit radio waves, which can give away the location of the counter-drone team.

TESTED, DEPLOYED & TRUSTED AT TOP-TIER ORGANIZATIONS

D-Fend Solutions' EnforceAir, our flagship counter-small, unmanned aerial vehicle (C-sUAV) product, has been deployed at high-level U.S. government agencies – including national and homeland security and justice departments, and military and federal law enforcement agencies.

TAKEOVER TECHNOLOGY

EnforceAir is a cyber-takeover solution that features proven and future-proof technology that detects unauthorized or rogue drones, identifies them and

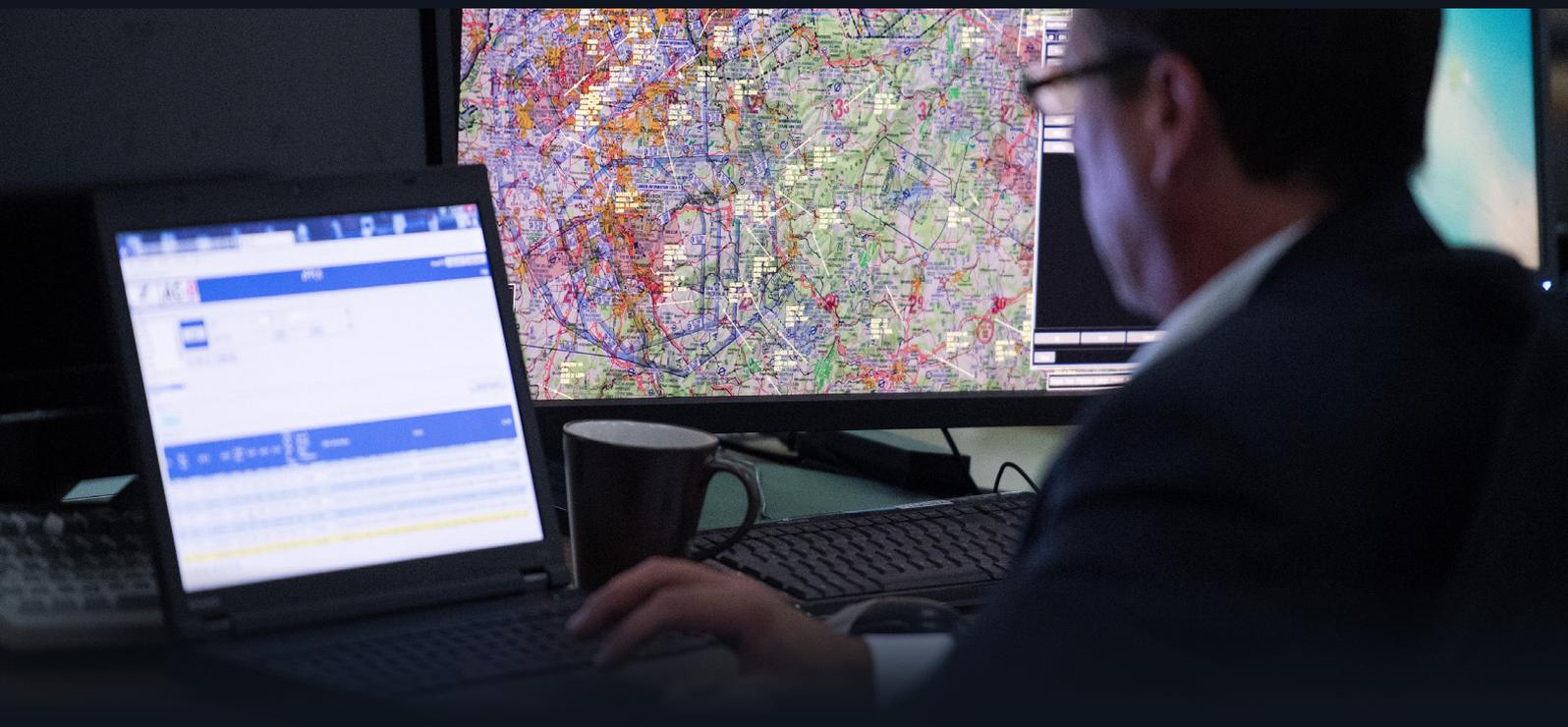
then automatically takes control over the drones and lands them in a safe, designated area. Authorized law enforcement and security assigned drones remain fully operational and unaffected.

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

Government personnel, operating according to the relevant data privacy and aviation regulations, can exploit the captured drone data to learn which types of drones are frequently attacking them, where they were sent from, what the drone cameras were recording, etc.

AGILE & INTUITIVE

National and homeland security personnel face a wide variety of scenarios and drone threats, so 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 vehicle, stationary and tactical installations. EnforceAir is lightweight and can even be carried in the field. Its intuitive graphical user interface and rugged tablet are intuitive and easy to use for all types of operational users.



For more information, please visit: www.d-fendsolutions.com
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