



# Sector Solution Overview: Law Enforcement

## Drone Danger for Law Enforcement

Small, unmanned aerial systems (sUASs) are available, relatively inexpensive and they can disrupt large outdoor events protected by law enforcement – but that is far from the only danger they pose. Drones can also be used to surveil law enforcement agencies, hinder police movements, transport drugs and contraband, and even target law enforcement officials.

Meanwhile, law enforcement personnel are increasingly relying upon drones to surveil unfolding events, such as active shooting situations, and to capture pictures and videos of potential crimes. But some counter-small, unmanned aerial systems (C-sUAS) do not possess the drone classification capabilities that enable this new reality.

## Limitations for Law Enforcement

Traditional solutions – such as radars for detection and jammer-based solutions for mitigation – cannot classify drones as "authorized" or "unauthorized." On the detection side, law enforcement personnel could confuse an authorized drone with a hostile one. And certain legacy counter-drone solutions mitigate all drones, including the authorized ones that law enforcement depend upon during critical situations. These are far from the only issues with traditional solutions...

Radars occasionally have trouble differentiating between small drones and other flying objects, such as birds, and they can be complicated to operate. Optic solutions generate false alarms and the issue with many acoustic solutions is that drones are becoming increasingly quiet.

Jamming-based solutions, or hybrid solutions featuring jammers for mitigation, may affect other radio communications, which could hamper the communication between law enforcement personnel, or with other agencies. Also, drones that get jammed can behave unpredictably, sometimes dangerously plummeting to the ground, which can threaten nearby force members or civilians.

Kinetic counter-drone solutions, which involve shooting down the UAS, are also risky in crowded situations. The falling drone, or the metal debris that is created from shooting a drone, could injure law enforcement personnel, or people in the affected area.



## Ensure **Control & Continuity** with EnforceAir

EnforceAir, D-Fend Solutions' proven C-sUAS product, features premier counter-drone, cyber, radio frequency (RF)-based takeover technology. The system, in either autonomous or manual mode, detects, locates and identifies rogue drones in the airspace, and then neutralizes the threat by empowering law enforcement personnel to take full control over the drone and land it safely in a predefined zone.

Unlike traditional anti-drone solutions on the market, our flagship product, EnforceAir, features a core that uses non-jamming and non-kinetic technologies to keep the airspace safe.

D-Fend's solution coexists with law enforcement's wireless communications. EnforceAir can extract a unique identifier (known as a tail number) per drone, sourced from the drone's communication. Police departments' authorized drones can then be tagged as "authorized" to fly in the area.

Safety and continuity are facilitated by EnforceAir, which prevents the drone pilot from regaining control over the drone, fully and smoothly eliminating the threat. EnforceAir can provide law enforcement with preventive notifications while extracting crucial data — such as the drone take-off position and pilot remote control location, to assist law enforcement with apprehension and prevent future crimes.

## Integration with **Law Enforcement Platforms**

D-Fend's technology and integration partners offer integration to top law enforcement and military command & control (C2) systems.

The integration of EnforceAir with these C2 systems enables operators to view EnforceAir's drone information on general map-based C2 platforms, with an option to trigger a mitigation process via those platforms. Organizations can seamlessly integrate EnforceAir into their work processes and expand operational awareness beyond the tactical team operating EnforceAir.

## **Agile & Intuitive**

EnforceAir provides the ultimate in operational agility and flexibility, as its core elements can be easily transferred, mounted and configured within minutes, enabling law enforcement and first responder personnel to go anywhere at any time. Deployment options include a law enforcement vehicle installation and a ground- or high-altitude deployment. EnforceAir is relatively light-weight and can be carried by personnel in the field. Its tablet is intuitive and easy to use, and does not require technical expertise.



For more information, please visit: [www.d-fendsolutions.com](http://www.d-fendsolutions.com)  
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