



Sector Solution Overview: Military & Special Forces

AN ASYMMETRICAL THREAT

Elite military personnel and special forces have understood the gravity of the drone threat for many years. Terrorist groups have long been using commercial drones that could be easily purchased online. Small explosive devices may be attached to unmanned aerial systems (UASs), transforming drones into remotely piloted bombs.

Over the years, the situation has worsened, as commercial ('as is', or adapted) and do-it-yourself (built from off-the-shelf commercial parts) drones are often employed in asymmetrical warfare against conventional forces. In fact, nowadays drone threats to special forces and military units go beyond terror attacks, as UASs are also used as an "eye in the sky" to collect intelligence on troop movements and formations, and even military bases. Drones may also threaten the flight patterns of helicopters and planes.



CONTROL THE DRONE, CAPTURE THE INTELLIGENCE

To counter the asymmetrical drone threat being waged by militants, some military and special forces units are using counter-drone methods – such as kinetic solutions or jammers – that may prevent them from obtaining the intelligence that captured UASs contain.

Kinetic counter-drone solutions, which involve shooting down the UAS, obliterate this intelligence by destroying the drone. They are also risky in urban zones, 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, creating a missed opportunity to learn about the enemy. This anti-drone technology blocks radio communications, which could also hamper critical communication between military/special forces 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 drone pilots.

Additionally, other, traditional, [drone detection methods](#), such as radars, may emit radio waves, which can “unmask” military units and even expose them to anti-radar missiles.



TESTED AND PROVEN WITH ELITE ORGANIZATIONS

D-Fend Solutions' EnforceAir, our flagship [cyber counter-unmanned aerial system](#) (C-UAS) solution, has been selected by defense agencies worldwide as a best-in-class radio frequency-based system.

EnforceAir has been successfully tested and deployed at high-level U.S. government agencies – including military, federal law enforcement and homeland security departments, as well as major international airports.

CONTROL THE FIELD

EnforceAir features proven and future-proof technology that detects unauthorized or rogue drones, identifies them, and then automatically takes control of the drones and lands them in a safe, designated area. The system is passive during detection and identification, so that military and special forces units do not unintentionally broadcast their location to the opposing force.

An alert zone can be set on the outer perimeter of the battlefield or military base, with multiple protection zones blanketing the surrounding areas. Unlike conventional counter-drone technologies, EnforceAir empowers military personnel with full control and does not disrupt their communications.

Military intelligence can exploit the captured drone data to learn which types of drones are frequently attacking them, where they were sent from, and more.

EnforceAir can provide a drone's home take-off position while the drone is still in midair and indicates the drone pilot's position and remote controller location during take-off. This information can help military and special forces units obtain intel on the physical location of terror cells.

Military units are increasingly using authorized drones to help them on the battlefield. These drones allow them to see over ridgelines, arrange for more accurate targeting and adjust mortar fire, and more. During the mitigation process, EnforceAir enables such authorized drones to continue to function without interruption.





AGILE & INTUITIVE

EnforceAir provides the ultimate operational agility and flexibility, as its core elements can be easily transferred, mounted and configured within a matter of minutes, enabling troops to go anywhere at any time. This includes a [Military Vehicle](#) installation and a [Ground-Level Tactical](#) deployment. EnforceAir is lightweight and can even be carried by soldiers in the field.

Its intuitive graphical user interface and rugged tablet are intuitive and easy to use, and do not require a technical background.



For more information, please visit: www.d-fendsolutions.com or contact us at: sales@d-fendsolutions.com