

Advanced counter-attack technology zaps rogue drones

“We’re fighting fire with fire: It works.”

London, England – Drone incursions against prisons, airports, seaports, military installations and others facilities are alarmingly more common every day.

To combat these threats the team at BravoZulu (bravozulusecure.com), is meeting the challenge head-on with a sophisticated system to identify, track and nullify rogue drones in real-time and short order.

“We’re fighting fire not just with fire but with a bigger, better, hotter fire,” says Patrik Eugster, CTO BravoZulu. “It works. And we’ve got the client list and case histories to prove it.”

Their expertise is sorely needed. Until recently the guardians of those installations were left chasing the wind trying to block or counter malicious UAVs breaching their parameters.

The threats are escalating: UAVs have become the offensive weapon of choice in global conflict and it doesn’t require a multi-billion budget to acquire and deploy these remote-controlled machines.

BravoZulu, based in Canada, Abu Dhabi and Switzerland, will showcase their capabilities and case studies at the International Security Expo 2021 in London, England Sept. 28-29 where security professionals can assess the efficiency of the technology and consider the custom configurations tailored to their individual needs.

The company has the industry credentials to back its claims, having been awarded Best End-to-end Counter-UAV system and Best Detection and Determination system, in The MITRE C-UAS Challenge against 41 challengers from around the globe.

Their product offerings include complete multi-band tracking, RF, Radar and GNSS signals for long-range detection, identification and jamming options.

For example, jamming a rogue drone’s command and GPS frequencies cut it off from its operator. This is particularly useful in a marine situation when pirates try to commandeer shipping vessels by hitting them with drone-borne explosives as was seen recently when an oil tanker Mercer Street was hit by three explosive-laden drones off the coast of Oman.

Nullifying the threat several kilometres before it reaches the target is the best option and the same technology is effective against prison smuggling or high-value asset protection.

The counter-drone systems can be augmented with the BravoZulu DroneRifle, a self-contained jamming system that can be deployed when the rogue drone is visually detected. It also neutralized RF signals, blocking the operator. The DroneRifle can be deployed with military infantry to provide options in the field or as a hand-carried deterrent at events with big crowds where flying a counter-drone isn’t an option.

For a bigger punch option, the DroneRifle is paired with the Power Pack which gives a much longer range and can be mounted in the field and controlled remotely from another position. The ultimate heavy-duty version is the DroneRanger/Skymarshal system which can jam at 20 km while picking out the small consumer DJI Phantom units at 2 km.

Whether it's global terrorists, criminal enterprises or local mischief-makers, the BravoZulu team has the expertise, hardware and software to design and deliver proven solutions.

Incursions into protected airspace are no idle threat. Whether it's an amateur drone pilot pushing the envelope, unaware they are in violation of flight rules or something more sinister such as a terrorist group either engaged in an attack or testing defences in preparation for an assault. Security forces must maintain a constant vigil and they need the best in class tools to be effective.

Arming them with BravoZulu technology is proving to be the most cost-effective and practical solution to provide the critically needed protection.

"Whether the facility is mobile, like an oil tanker or static such as a prison or energy plant, we understand the threat of UAVs like no other and we have two decades of R&D and front line execution to bring to the table," says Eugster. "A simple consumer-grade \$1,200 drone can bring down a multi-million aircraft. The bigger threat, though are larger, commercial drones configured to inflict serious harm, loaded with explosives that can wreak even more damage. No security organization, public or private, or military agency, can afford to ignore the threat of UAVs and should take steps to research and acquire the technology needed to neutralize it. That's what we'll be talking about at the International Security Expo 2021."

BravoZulu's edge is that their team of engineers and aviators were in on the ground floor of the UAV flight and pivoted to countermeasures early in the game. "We understand UAVs, their capabilities and weaknesses," says Eugster. "We're one step ahead and we will maintain that lead to keep our clients in the driver's seats."

For more visit bravozulusecure.com

Contacts:

During the show Sept. 27-28 in London

Patrik Eugster Director

Direct: +41 (0)58 521 43 60

Mobile: +41 (0)76 387 22 77

Before or after the show

Suzette McFaul marketing@bravozulusecure.com

1-800-531-3541

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