



DRONESHIELD



# DroneShield

Leading the Future of AI Counter Drone Security

[www.droneshield.com](http://www.droneshield.com)

Commercial in Confidence



# Agenda

- Introduction
- Drones Shaping the Future
- DroneShield Company Overview
- Customer References
- Product Introduction







# Drones are Shaping the Future



# Drones are Shaping the Future







Drones are good but in  
the wrong hands.....

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Isis Attacks on US  
Airbases in Iraq





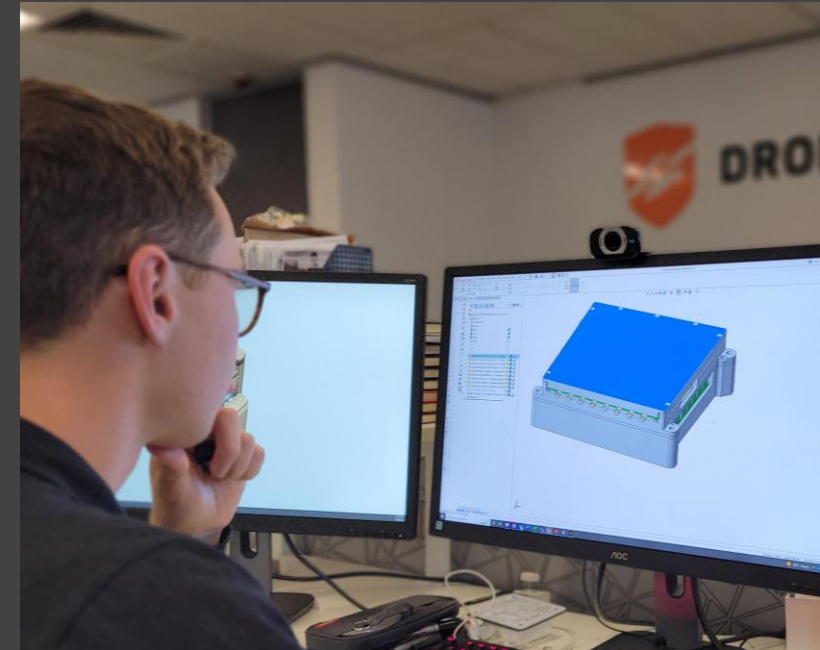
# Identify: Drone Groups

- DroneShield technology focuses on detecting and defeating UAS **Groups 1 and 2**
- Groups 1 and 2 are widely used due to their low cost, accessibility, and payload capacity. Applications include intelligence, surveillance and reconnaissance, but they can be weaponized
- Differences:** **Size** (<2), **Weight** (<1kg~45kg), **Speed** (20~160km/h), **Altitude** (<1km), **Flight time** (~30min consumer, ~2h military)

			UAS Groups	Maximum Weight (lbs) (MGTOV)	Normal Operating Altitude (ft)	Speed (kts)	Representative UAS	
 Single Rotor Helicopter	 Multi Rotor Drones	 Fixed-Wing Drones	Group 1	0-20	<1200 AGL	<100	Consumer and Commercial UAS, Raven (RQ-11), WASP, STM Kargu	
			Group 2	21-55	<3500 AGL	<250	ScanEagle, Agras T20	
 Military SUAS	 USV and UGV		Group 3	<1320	<18000 MSL	<250	Shadow (RQ-78), Tier II/STUAS	
 Military SUAS	 USV and UGV		Group 4	>1320	<18000 MSL	Any Airspeed	Fire Scout (MQ-88, RQ-88), Predator (MQ-1A/B), Sky Warrior ERMP (MQ-1C)	
			Group 5	>1320	>18000 MSL	Any Airspeed	Reaper (MQ-9A), Global Hawk (RQ-4), BAMS (RQ-4N)	

# DroneShield Summary

- Australian owned and operated
- **160** employees (with **120** engineers)
- Sydney-based, including production
- AGSVA security-cleared staff
- Mature C-UAS solutions
- Advanced EW, RF, C2, AI and Sensor Fusion technology
- In-house MIL SPEC design, engineering, project management and manufacturing capacity
- Cost-effective, interoperable, and scalable solutions





# Customer References

# Australia



Australian Government



Australian Government

Australian Secret Intelligence Service



Australian Police





# Asia-Pacific

## 9 Major Governments



Indonesian Air Force



Indonesian Navy



Indonesian  
Department of Justice



Royal Thai Army



Malaysia Government



Korean Military



Korean Blue House  
(equiv. White House)



Korean National  
Police



Singapore Ministry of  
Home Affairs



Japan MOD



Tokyo  
Metropolitan Police



Vietnam Government

# Europe

## 13 Major Governments



Ukrainian Government



Belgium Police



French Army



French Government



Greek Military



Kosovo Government



Poland Govt Agency  
(Critical Infrastructure)



Polish Ukrainian  
Chamber of Commerce



Azerbaijan MOD



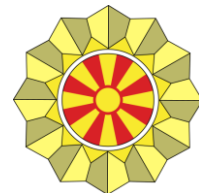
Slovakia Military



Serbia Military



Serbia Government



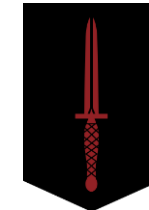
North Macedonia  
Army



UK Special Forces



UK Government



Dutch KCT



Royal Netherlands  
Army



# Middle East and Africa

## 4 Major Governments



Saudi MOD



Saudi MOI



Qatar MOD



Burkina Faso



South Africa Airforce



Saudi Telecom

# South America

## 4 Major Governments



Brazil Army



Brazil Federal Police



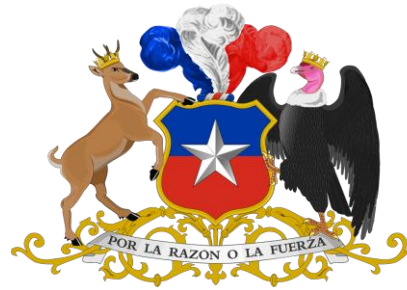
Brazil Special Forces



Paraguay Military



Chile Police



Chile Government



Ecuador Government



# United States of America



US Government



Department of Defense



# North America

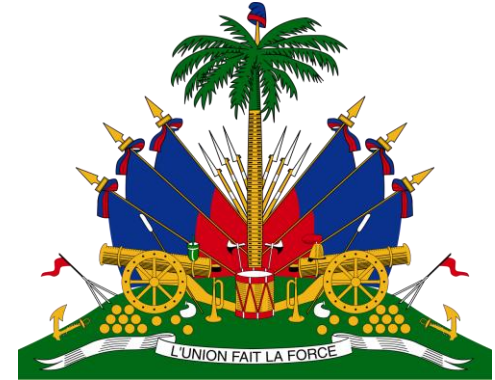
## 4 Major Governments



Canadian Special Forces



Royal Canadian Mounted Police



Haiti Government



Mexico Secretariat for Home Affairs



Mexico Government



# Vertical Markets/ References



# Protecting Major Events





# Airports



Texas, USA



Switzerland



Germany

# Defence Ready

- ISO 9001:2015 Accredited
- DISP Physical & Cyber – EL (uplift underway to Level 2)
- DISP Governance & Personnel – Level 2
- Commercial & Engineering staff with ASDEFCON experience
- ACMA permit to R&D and manufacture jammers on-site



Employer of ex-Defence personnel  
Employer of experienced Defence industry personnel



Key staff hold security clearance (up to NV2)



Long term member of AIDN  
Exhibitor with Team Defence Australia



Dedicated Team members for Legal, Accounts, Operations, Quality, IT and Project Management



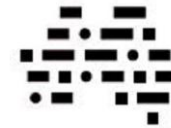
Successful completion of Defence contract as prime contractor  
Multiple ongoing Defence contracts both as prime and subcontractor



Defence Industry Awards



Australian Government  
Defence



Defence Industry  
Security Program



Quality  
ISO 9001  
SAI GLOBAL



# Trusted Collaborator

- Meaningful development requires deep trust and a team mindset
- Our partners include Thales, Mellori, British Telecom, SAIC and UTS

The logo for Thales, featuring the word "THALES" in a blue, sans-serif font. A small blue dot is positioned above the letter "A".

Active Supplier to Thales Global Supply Chain



Active collaborative R&D relationship providing capability direct to Defence



Sole supplier of British Telecom's Counter UAS capability



UTS R&D contract partner and employing via UTS CareerHub



In a number of active bids to US DoD, with DRO as sole supplier of SAIC's RF detection and mitigation C-UAS technologies

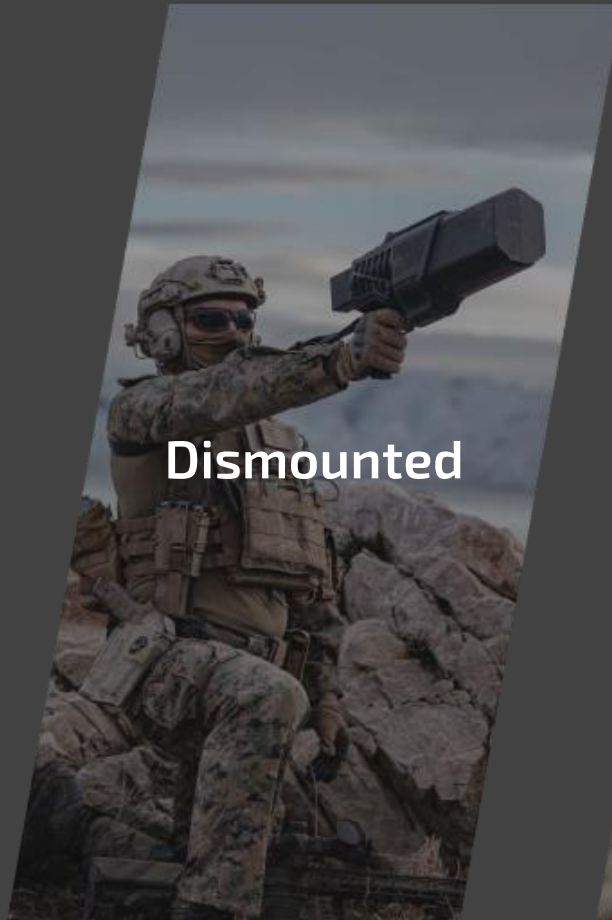


# ***Product Introduction***

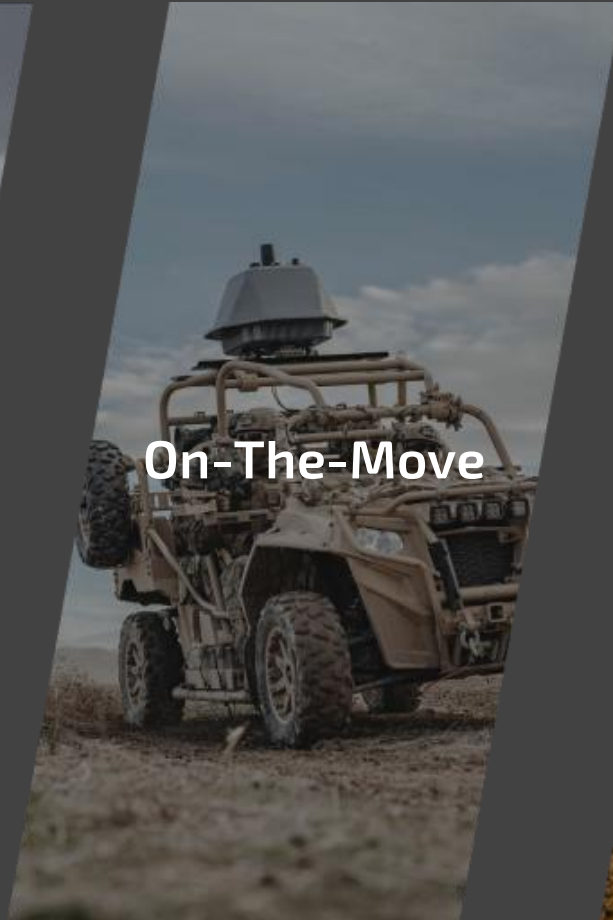
DroneShield Flagship Products



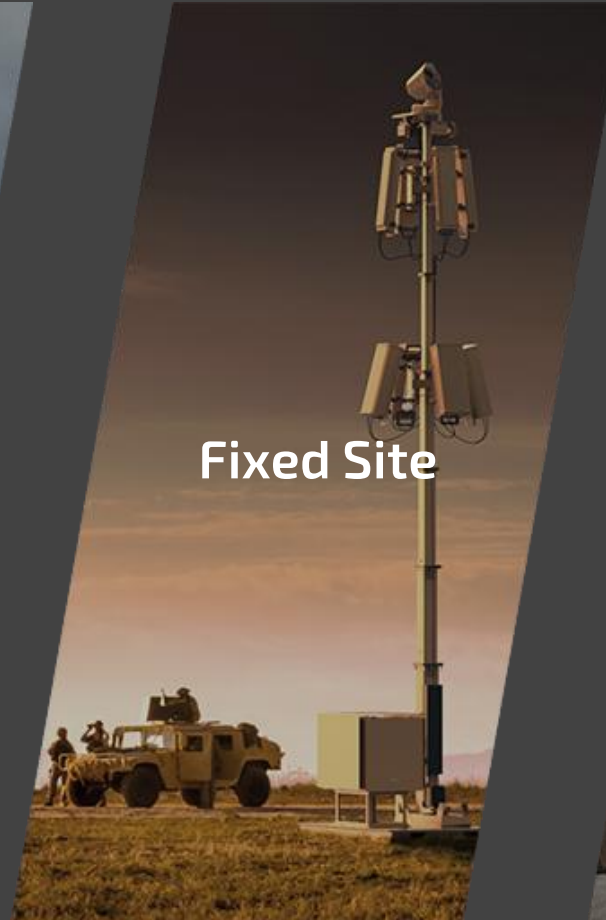
# AI-Powered Counter-UAS Solutions



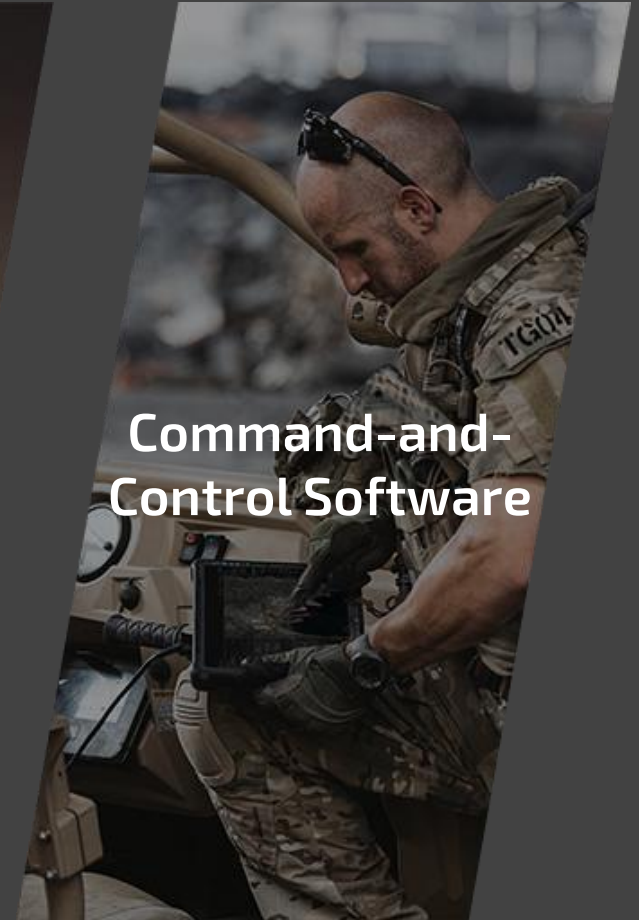
Dismounted



On-The-Move



Fixed Site



Command-and-Control Software

# RfPatrol Mk2

- RfPatrol is a highly versatile, completely passive/non-emitting wearable UAS detection device.
- The device offers the user real situational awareness without distraction or complex operation.





# DroneGun Mk4

- The DroneGun Mk4 is a rugged, handheld cUAS effector providing users with a compact, rapid response countermeasure capability.
- The DroneGun Mk4 is highly effective against a wide range of UAS types and models.
- The DroneGun Mk4 can disrupt the control, navigation and video of multiple drones simultaneously.





# DroneSentry-X Mk2

- DroneSentry-X Mk2 is a software-defined detection and adaptive disruption system.
- The DroneSentry-X Mk2 is suitable for mobile operations, field expedient pop-up, and fixed-site protection.





# DroneSentry

- DroneSentry is an autonomous fixed, modular C-UAS system that integrates sensors and countermeasures into a unified responsive platform.
- **Incorporates Radar, RF and Optical/Thermal cameras.**
- DroneSentry correlates situational data that provide maximum situational awareness for automatic identification and response to UxS intrusions or threats.



# C2Tactical

- DroneSentry-C2 Tactical is a rugged, on-the-edge version of DroneShield's main Command-and-Control solution DroneSentry-C2.
- The system provides operators with real-time C-UAS situational awareness from a single device or network of DroneShield and third-party devices, such as the RfPatrol Mk2 body worn drone detector and the DroneSentry-X drone detection and defeat system.





# ***DroneShield Capability Brief***

## **Questions**

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