



DroneShield at a Glance

- DroneShield is a global leader in drone security technology, selling both drone detection and drone countermeasure products.
- The drone security market is becoming significant and is fast growing, with the Company estimating the size of its addressable market to be worth over US\$12bn with circa 12 million drones to be operating, often in metropolitan airspaces, by 2020.
- Since listing, DroneShield has grown from a single acoustic detection solution to a Company providing a full detection and countermeasure package utilising the latest radiofrequency, radar and other technologies.
- DroneShield is now experiencing rapidly growing revenues and is well positioned in competitive tenders, and direct non-competitive sales processes with military, law enforcement, civil infrastructure and head of state/presidential customers with 90 potential contracts valuing up to US\$45m.









Location

Sydney, Australia

Virginia, USA

Washington DC, USA

15 Employees

Team

Patented

Multiple deployments by government users globally

Deployed

International

60
Distributors across 50
countries



Corporate Overview

Enterprise Value				
DRO shares	A\$0.145 / share ¹	A\$26.40m ²		
Cash	As at 31 Dec 2018	(A\$1.23m)		
Debt	As at 31 Dec 2018	nil		
Enterprise Value		A\$25m		

Shares (ASX:DRO)	Unlisted Options	Performance Shares	
182,077,076	60,127,717*	30,000,000	

^{*} Exercisable at various dates and prices

² Excluding unlisted options and performance shares

Major Shareholders		
Long Hill Capital*	55,582,102	30.53%
Eagle's View*	22,928,466	12.59%
BNP Paribas Nominees	15,902,910	8.73%
John Franklin	14,438,334	7.93%

^{*} Includes related entities



¹ As at 12 February 2019



Investment Highlights

- Growing Revenue Record 4Q2018 with \$500k in customer cash receipts. Record month of January 2019 with \$730k in customer cash receipts received in first 3 weeks alone.
- Expanding Sales Recently received orders from the Middle Eastern Ministry of Defence for 70 DroneGuns valued at A\$3.2m. Other smaller contracts include multiple DroneGun units for major Asian and Western Government Agencies, DroneSentry and DroneGun units for a government security agency in Central America.
- Zain Group Partnership The Company have executed a Teaming Agreement with Kuwait's Zain Group, a US\$7 billion leader in telecommunications in the Middle East. Zain has now placed its first order.
- NATO Stock Number DroneGun Tactical has been given a NATO Stock Number allowing any of the 29 NATO militaries to purchase DroneGun Tactical on a 'military catalogue' basis, simplifying the procurement process.
- Established Market Position DroneShield products have been used by Queensland Police at the Commonwealth Games in Queensland, Texas State Department at the NASCAR, the ADF at the ASEAN-Australia Special Summit 2018 in Sydney and by local authorities at the 2018 Olympic Games. Other users include special forces of a G7 NATO country, Asian homeland security and the Turkish Prime Ministry.
- Substantial Sales Pipeline The Company is well positioned in competitive tenders, and direct non-competitive sales processes with military, law enforcement, civil infrastructure and head of state and presidential customers with 90 potential contracts.
- US GSA Approval DroneShield products have been approved by the U.S Government for placement on the General Services Administration schedule, a list of products pre-approved for purchase by U.S government agencies.
- Significant competitive advantage DroneShield's detection technology displays strong advantages over other competitors, including non line-of-sight detection, night-time detection, an increase in detection ranges and effective coverage area.



Highly Capable Team with Extensive Industry Experience and the Support of an Accomplished Board of Directors

Board of Directors



Peter James *Independent Non- Executive Chairman*



Oleg Vornik CEO / Managing Director



Bradley Buswell *Independent Non-Executive Director*



Robert Clisdell
Non-Executive Director



DroneShield Solution

1 | Detection

• DroneShield offers an enterprise-grade sensor network with proprietary multi-sensor detection technology.

2 | Analysis & Identification

- DroneShield utilises a multi-sensor approach to analyse and identify incoming drone threats.
- The radar sensor tracks a moving object, separating it from the background clutter such as trees or birds.
- The radio frequency sensor provides a direction of bearing to the target, matching a set of RF signatures, which are regularly updated.
- Camera and thermal sensors allow for a visual confirmation to the user, with an ability for high definition zoom during day or night.
- This multi-sensor analysis allows us to detect drones with high accuracy, delivering low false-alarm rates.

3 | Alerting

- Instant alerts are delivered independently through a variety of methods, including SMS, email, or existing video or incident management systems. DroneShield easily integrates into your established security system.
- Our detection system also include a browser-based visual interface, giving you live visibility to surrounding drone activity.

4 | Response

- DroneShield also offers safe and highly effective countermeasures once a drone threat has been identified.
- DroneShield countermeasures allow for the controlled management of drone payload such as explosives, with no damage to common drone models or the surrounding environment. Countermeasures have been developed for long range coverage in a wide range of environmental conditions.

☑ DroneGun Tactical™

DroneGun Tactical provides a safe countermeasure against a wide range of commonly used drone models. It allows for a controlled management of a threatening drone, with or without a payload (such as explosives), causing the drone to conduct a vertical controlled landing on the spot or returning back to its starting point (assisting to track the operator), without causing damage to the drone or the surrounding environment.

- Effective coverage: Allows for an up to 2km coverage, in a wide range of environmental conditions
- Fully Integrated: Battery powered single rifle style solution, one person operation
- Easy to use: no technical training for set up or use required, highly portable design
- Immediate video cease: immediately ceases video transmission back to the drone operator
- Enables investigation: drone remains intact and available for forensic investigation
- Certified: NATO Stock Number allows NATO militaries to order the product off the catalogue without additional testing





□ DroneSentry[™]

DroneSentry integrates DroneShield's suite of sensors and countermeasures in a unified platform deployable in permanent or temporary installations. Incorporating RadarZero radar, RFOne RF detectors, and DroneOpt cameras, DroneSentry correlates available data for users and provides maximum situational awareness and the quickest response to airborne threats. DroneSentry also includes the DroneCannon RF countermeasure, providing an end-to-end detection and response capability which forces threatening drones land or return to their origin.

- Integrated Detect and Defeat Solution: Automatically detects and disables incoming drone threats
- Anti-Swarming Capability: Effectively disables multiple incoming drone threats within its effective range
- Modular: A compact design allows for effective transport and assembly
- Durable: Weather-resistant and rugged design protects the technology in harsh environments
- Range: 5km detection and 2km defeat



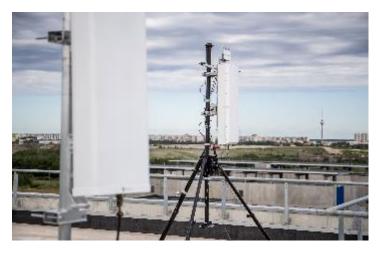


DroneSentinel™

DroneSentinel provides the fully integrated sensor suite of DroneSentry without the DroneCannon RF countermeasure capability. With integrated data from all available sensors, users can rapidly detect and assess potential threats. An intuitive user interface provides live and historical data from all sensors, and broadcasts configurable alerts based on user-defined criteria.

- Integrated Detection: Combining all of DroneShield's detection sensors into one product
- Modular: A compact design allows for effective transport and assembly
- Durable: Weather-resistant and rugged design protects the technology in harsh environments





□ DroneNode[™]

DroneNode is a highly portable and inconspicuous counter-drone solution that can be set up in seconds and requires very little training to operate. Drones will either return to their point of origin or land on the spot. DroneNode's covert design makes it the perfect counter-drone solution for public events where protection from drone threats is a priority.

- Inconspicuous Design: Subtle, non threatening form factor provides protection without inciting public concern.
- Rapid Deployment: DroneNode can be deployed, activated and packed away in seconds. The perfect choice for drone defence on the go
- Extended Range: Up to 1km defeat range
- Swarm Ready: DroneNode will engage and neutralise a swarm of multiple drones simultaneously
- Battery Powered: DroneNode is powered by a NATO approved self contained battery with room for a second battery stored in the accessories tray







DroneShieldComplete™

DroneShieldComplete includes a graphic user interface (GUI) that compiles and analyses vast amounts of environmental data to display to user seamlessly and effectively. The GUI harnesses the advantages of each detection technology, providing the user with an early warning system and growing detection threat level as more data is gathered and processed.

- Scalable & Flexible: Platform is built to scale horizontally and vertically, on-premise or the cloud. Can be used
 for single multi-sensor sites or several multi-sensor nodes working together
- Immediate Evidence Collection: Displays live drone activity, providing alerts to the user about the environment, inbuilt tools for detailed, precise report generation
- Convenient: Can be accessed and configured remotely from a web browser, wherever there is Internet connectivity or as standalone desktop application. Alerts are configured through the GUI to send via SMS or Email for remote operators
- Compatible: Allows easy integration into existing security systems







Demonstrated Progression from Development to Sales

Dominos are starting to fall

Product	Launch	Product Release	First Demo	First Sale	First Large Sale	Multiple Sales	Substantial Market Share
DroneGun™	Nov 2016	Dec 2016	Jan 2017	Nov 2017	\$3.2m Jun 2018	Dec 2018	
							Being Secured.
DroneSentinel™	Jul 2017	Sep 2017	Nov 2017	Mar 2018	Multiple Sales Being Advanced*		US\$1.6bn market by 2023**
DroneSentry™	Jul 2017	Oct 2017	Nov 2017	Sep 2018	Multiple Sales Being Advanced*	Dec 2018	

^{*}Necessarily, not all (and there can be no assurance that any) of the Company's sales opportunities will result in sales.

^{**}https://www.marketsandmarkets.com/PressReleases/anti-drone.asp



Large Addressable Market with Numerous Applications

Military



Critical Infrastructure

Prisons







(including 65,000 powerplants)



(20,000 globally)

Airports

Special Events

Commercial Venues

VIP Residences



(42,000 globally)



(11,000+ outdoor stadiums)



(including 41,000+ hotels)



(200,000+ high net worth individuals)



Case Studies

DroneShield products have the capability to not only detect drones in real time, but also land the drone safely and lead authorities to the pilots location

- Between 19 and 21 December 2018, hundreds of flights were cancelled at Gatwick airport following reports of a drone sighting close to the runway.
- The 48 hour closure of Gatwick Airport during the holiday season caused 140,000 people to be stranded causing hundreds of millions of dollars of damage to a range of companies.
- The British army was reported to have been called and it was noted that there were a limited range of options available to remedy the situation.



- On 4 August 2018, at least two drones detonated explosives near where Nicolas Maduro, the President of Venezuela, was addressing the Bolivarian National Guard.
- The Venezuela government claims the event was a targeted attempt to assassinate the President.





An Established Player in the Market

- Limited number of readily-available competing products.
- Significant first mover advantage.
- Multiple end-user trials have been and are being undertaken by governmental organizations globally with many converting to sales.
- Products have been modified in response to end-user requirements.
- Dozens of contracts being pursued.



South Korean military reviews DroneGun™

\$3,000,000+



Has made early international sales, including a \$3m+ order in June 2018 from a Middle Eastern Ministry of Defence - the largest known global order for tactical drone mitigation equipment



Unique global positioning in a growing market – an Australian company with operations in the U.S. and support from the Australian Government

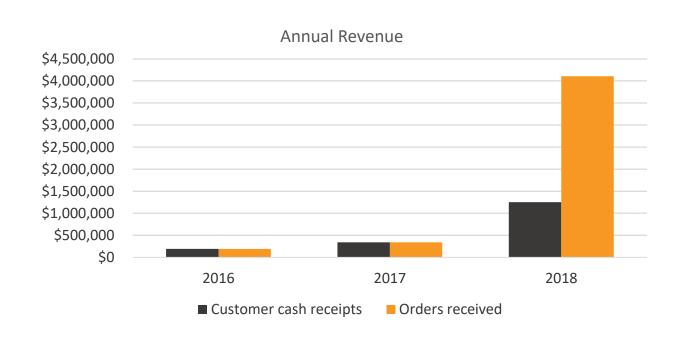


Queensland Police Service officer with DroneGun MKII™ during Commonwealth Games in Brisbane



Rapidly Growing Revenues

- DroneShield generated total customer cash inflows of \$489,209 during the 31 December 2018 quarter, the highest quarterly cash inflows for DroneShield to date.
- DroneShield's total customer cash receipts for the calendar 2018 were \$1,252,123, the highest annual cash receipts to date.
- DroneShield's cash receipts for the first three weeks of January 2019 were \$728,628. In other words, following the Gatwick events, in the first three weeks of the 2019 calendar year, DroneShield received approximately 50% more in cash than it did during the entire previous quarter.
- This equates to an annualised revenue run-rate of \$8.4 million (actual revenues for 2019 will necessarily vary).



Rapid Sales Growth

2016	2017	2018
2016 Boston Marathon	2017 Boston Marathon	2018 Olympics NASCAR, Texas USA
• US	• USA	• 2018 Commonwealth • Spain
• UK	• Spain	Games • France
• Small sales	2017 Hawaii IRONMAN	US Military trials Poland
	Canberra – Various Australian Govt	ASEAN Australia Czech Republic
	• UK	Switzerland Slovakia
	• France	Estonia Norway
	• Poland	Lithuania Denmark
	• Japan	South Korea Finland
	Turkey Prime Minister	Mexico Netherlands
	Paraguay Military	Canada Central America
	Asian Homeland Security	Malaysia (DSA) Asian Govt
		• Italy • \$3.2m Sale to Middle
		Japan
		South Africa Defence

^{*}Yellow refers to sales, black refers to trials. Not an exhaustive list.



Deployments throughout Q4 2018 include:

- A U.S. Department of Defense evaluation
- Inclusion in 2019 Australian Military Sales Catalogue
- A Western government purchased DroneGuns
- A major Asian security agency purchased DroneGuns

- A Central American government security agency order
- Evaluation by the British Army
- Partnership with Thales, a global defence major
- Partnership with Zain, a major Middle East telco

Additional Sales Opportunities

- Recent customers expected to make substantially larger purchases in near term
- Middle East will remain a major contributor
- US market penetration being advanced
- Numerous European opportunities

- Leadership in Central and South American market now converted into initial sales with potential further sales
- Successful recent Australian deployments first sale took
 place in October 2018 following a successful trial
- A number of Asian tenders underway and first DroneGun sale into the region



Middle East Update

- The Middle East remain one of DroneShield's leading customers due to its recognition of consumer drones being unlawfully used in warefare
- A major government agency in the Middle East is in the process of taking delivery of a large order of DroneGuns
- Nepharious drone activity is intensifying in the region
- Dozens of recently reported drone attacks include:
 - Israel intercepted an Iranian drone
 - UAE intercepted an Iranian drone
 - Yemen's Houthi rebels attacked a Saudi Aramco facility
 - Saudi Arabia shot down (using conventional small arms) a drone in the vicinity of a royal palace
 - An attempt to attack a Saudi Arabian airport
- Australian Government has designated Middle East as a priority market in the 2018 Defence Export Strategy









- DroneGun[™] portable rifle style drone countermeasure
- DroneNode[™] portable covert drone countermeasure
- DroneSentinel[™] multi-sensor drone detection
- DroneSentry[™] DroneSentinel[™] with defeat capability



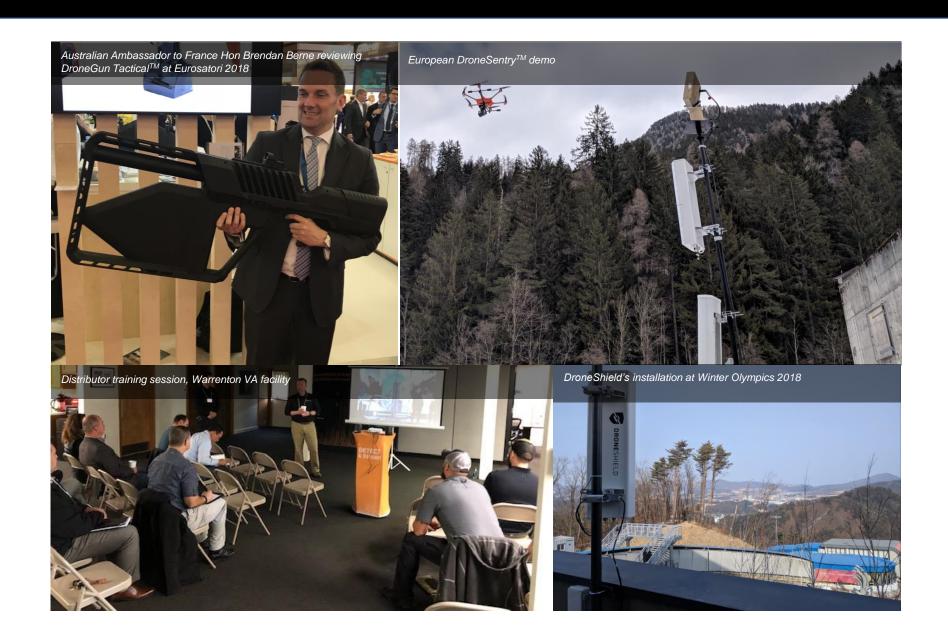




U.S. Secretary of Defense Discusses Threat of Drones



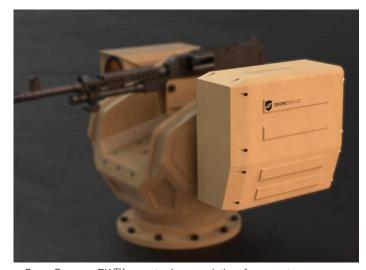










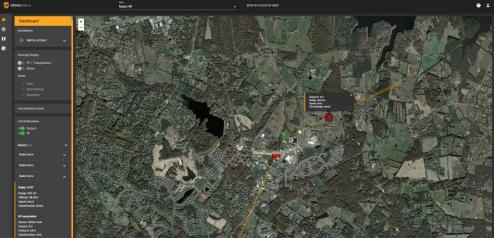


DroneCannon RW^{TM} counterdrone solution for remote weapon stations



DroneSentry European prison trials





DroneShield software engine interface

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