

May 2025

# **Artificial Intelligence For Multi-Mission Counterdrone**

Investor Presentation

Image: DroneSentry-X C-UxS detect and defeat system on an airfield

# **Key Highlights**



Strong start to 2025 across all key areas of the business



# Strong Global Tailwinds in Defence Spending Resulting in Attractive Outlook for Counterdrone Technology





#### Technology & drones playing an increasing role in modern warfare

Advanced technology is crucial for maintaining military superiority – with modern militaries investing heavily in electronic countermeasures

• **Drone / Counterdrone:** Drone warfare continues to rapidly evolve – *need for next generation counterdrone technology increasingly critical* 

AI: AI systems are increasingly being used to more precisely and autonomously engage targets – *integration likely to deepen necessitating advanced countermeasures* 

#### 2024: A year marked by the rise of drone warfare

'World's first drone war' taking place in Middle East 'It is impossible to outrun them': how drones transformed war in Ukraine

#### Global defence spend at all-time-high – sovereign capability a key priority



#### Drone / Counterdrone a key focus area of military budgets

Continuing increased expenditure by Western Governments in response to drones being used in virtually all conflicts globally

- Counterdrone identified as one of 17 key priority spend areas for the US DoD<sup>3</sup>, with US\$1.3bn earmarked for C-UAS programs as part of a US\$150bn increase in defence spending<sup>4</sup>
- UK Ministry of Defence announced that 10% minimum of equipment budget for novel technologies including drones and AI-enabled equipment
- The EU has released its €800bn ReArm Europe plan with drone / counterdrone systems identified as one of 7 priority capability areas<sup>6</sup>

EU chief unveils €800bn plan to 'rearm' Europe

New spending on drones and lasers will 'revolutionise' UK defence, says Reeves House Republicans unveil \$150 billion defense spending increase plans with \$1.3 billion earmarked for C-UAS programs

Reconciliation bill includes billions for new drone capabilities

1 https://www.blackrock.com/corporate/insights/blackrock-investment-institute/interactive-charts/geopolitical-risk-dashboard

- 2 https://www.sipri.org/sites/default/files/2025-04/2504\_fs\_milex\_2024.pdf
- 3 https://www.npr.org/2025/02/20/nx-s1-5303947/hegseth-trump-defense-spending-cuts

4 https://www.appropriations.senate.gov/news/majority/bill-summary-defense-fiscal-year-2025-appropriations bill#~:text=Weapons:%20The%20bill%20continues%20to,government%2Downed%20ammunition%20production%20facilities 3 5 https://cuashub.com/en/content/house-republicans-unveil-150-billion-defense-spending-increase-plans-with-1-3-billion-earmarked-for-c-uas-programs/?secureweb=ONENOTE 6 https://www.theguardian.com/world/2025/mar/04/eu-plan-to-bolster-europes-defences-could-raise-800bn-for-ukraine

## Multiple Applications for DroneShield Technology and Service Offering Represents Significant Market Opportunity





Numerous and growing applications for DRO counterdrone technology represents significant opportunity for expansion across multiple end markets

1 https://www.droneshield.com/counterdrone-market

# DroneShield is a Pioneer in Counterdrone Technology with a **Comprehensive Product Range...**



54% FY24: 19%

#### Complete Multi-Mission Counterdrone Arsenal with the Best Product for Every Scenario **Dismounted / Body-worn On-The-Move (OTM) or fixed site** Defeat 31% DroneGun Tactical DroneGun Mk4 **6** Detect **DroneSentry** RfPatro **DroneGuns DroneSentry Mk4:** lightweight and compact OTM and modular fixed site systems ٠ Tactical: designed for two hand operation and long-range Long range automated situational awareness, protection, monitoring and threat ٠ response of local airspace activity defeat Integrates optical, radar, and RF sensors, edge computing systems and software RfPatrol ٠ Mk2: Portable, body-worn drone RF detection Real time alerts, analytics and reporting through DroneSentry-C2 software ٠ Mk2 WB (wideband): enhanced to perform against Russian and similar drones 2025 YTD hardware revenue % AI-powered solutions

# ...And Proprietary Software Solutions...



#### Al Software solutions used for multi-mission threat protection and counterdrone defence

#### Radiofrequency AI (RFAI) and RFAI-ATK

#### DroneSentry-C2 (with SFAI)

#### Electronic Warfare & Signals Intelligence



## AI / ML signal detection and classification and electronic attack engines

- Detects, classifies, records and adds signals of interest within hours
- Cuts through RF noise with low false alarms
- Data is sent from deployed services for extensive data set generation, enabling future refinement of AI engines
- RFAI-ATK is a fully software defined, digital electronic response to detected threats. The AI powered software determines the radio frequency response based on the characteristics and vulnerabilities of the threat protocol



DroneSentry-C2

DroneSentry-C2 Tactical

#### Detect, identify, track and respond to drone targets and includes SensorFusion AI (SFAI) and DroneOptID

- Software platform with remote access, realtime awareness and reporting capabilities
- Embedded Digital Twin Planning Tool for rapid planning, setup and simulating systems
- SFAI is a multi-sensor solution including RF, Radar, acoustic and camera systems
- DroneOptID is an AI powered optical and thermal spectrum counterdrone surveillance software specifically for small, fast-moving targets
- Available as DroneSentry-C2 Tactical for handheld and on-the-move applications



Recognition of never seen before threats in multiple domains

- Cutting-edge spectrum awareness capability using proprietary Al
- Identifies Signals of Interest (SOI) to enable threat Indications & Warnings (I&W), threat geolocation and the targeting cycle to obtain intelligence
- Electronic attack capabilities such as directed electromagnetic energy to jam, degrade, disrupt or neutralize an adversary capability
- Current 2-year R&D contract with the Australian Department of Defence; additional and large contracts expected based on discussions



## Cutting-edge AI model developed for drone detection and integration with DroneShield's best-in-class equipment

Market leading Al capability	Supported by an expansive data strategy
Advanced AI & ML to <b>instantaneously detect, classify &amp;</b> track drones in complex environments	<ul> <li>Full ownership of a very significant proprietary drone data set, built over years of collection, cleaning and tagging globally</li> <li>Global data sources from partners in real-world counterdrone environments</li> </ul>
<b>Precise and effective threat detection</b> underpinned by fully digitalized AI enabled RFAI response	<ul> <li>Access to private test ranges to conduct testing in field conditions</li> <li>Unique ability to collect operational drone data at granular level of detail</li> <li>In-house data engineering team to manage custom datasets</li> </ul>
Substantial & irreplicable proprietary database supports unique ability to embed micro-Al to hardware	✓ Strong Government support to develop, test and collect data
Sophisticated proprietary algorithms continuously adapting to latest drone threats	
Regular software updates to <b>maintain technological</b> edge	
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## A Pioneer Leading the Market in Innovation and Quality. Complete Suite of Multi-mission Products





# **Continuing to Deliver Significant Growth in Revenue and Earnings**



1Q2025 showing revenues up 102% and cash receipts up 135% (compared to 1Q24). SaaS revenue is up 198%. The difference between revenues and cash receipts is mostly due to several 1Q deliveries having payments due in 2Q.



Note: Committed Revenues are as at 20 May 2025

YTD 2025 results are preliminary estimates. The audited results are due in February 2026, as part of the 2025 Annual Report

# **Continuing to Deliver Significant Growth in Revenue and Earnings (cont'd)**



<b>A\$m</b> (unless otherwise stated)	Q1 2025 (period ended 31 March 2025)	Q1 2024 (period ended 31 March 2024)	% change		
Revenue	33.5	16.6	<b>↑</b> 102%		
SaaS Revenue	1.67	0.56	<b>198%</b>		
Operating cash receipts	16.8	7.1	<b>↑</b> 136%		
<b>Revenue split</b> (geography)	USA Europe UK	Australia Asia Other	The business is becoming more geographically diverse		
Pipeline (Value, A\$m)	2,340 (at May 2025)	519	The size and quantity of		
Pipeline (Number of Opportunities)	256 opportunities (at May 2025)	93 opportunities			

Source: Company financial data

# Sales Pipeline at \$2.34bn (as of May 2025)



### Diverse pipeline across geographies, customers, products and stages of maturity of the deals



USA

### \$420m / 98 projects

- Sales YTD: A\$12.5m (26.7% YTD revenue)
- **Distributors:** 6
- 25-person office supported by distributors
- A small but well-regarded local team with key relationships across the board, driving customer requirements



## \$1.1bn / 55 projects

- Sales YTD: A\$11.1m (23.8% YTD revenue)
- Distributors: 77 •
- In progress to establish a European manufacturing and regional sales hub facility to respond to rising demand



## \$14m / 5 projects

- Sales YTD: A\$3.7m (7.9% YTD revenue)
- **Distributors:** 1

Defence subsidiary

**United Kingdom** 

- Mutual exclusivity via BT (British Telecom), which has a dedicated well-positioned

Australia

## \$98m / 18 projects

- **Sales YTD:** A\$0.7m (1.6% YTD revenue)
- **Distributors:** 12
- Continue execution on 2-year DoD contract, with further larger contracts expected on its renewal in mid 2025



## \$579m / 23 projects

- Sales YTD: A\$10.7m (22.9% YTD revenue)
- **Distributors:** 43
- Continue working with experienced distributer network and leveraging deep relationship with customers and partners



## \$124m / 57 projects

- Sales YTD: A\$8.0m (17.1% YTD revenue)
- **Distributors:** 76
- On the ground sales staff in Mexico and UAE, supported by distributors



Notes: The pipeline includes existing defined sales opportunities at various stages of maturity The opportunities are unweighted for probability

# Technology Roadmap: Accelerating the Development of New Generation Products & Software Capabilities



Expansion of DRO solution pipeline will accelerate towards a SaaS based revenue model, further increase gross margins, and well-position DRO to always be at the forefront of C-UxS technology

#### Accelerate current generation platforms





- Continue to improve performance through regular software updates supported by more robust data
- Evolve DroneSentry-C2 to represent a complete C-uXs
  landscape with widespread up & downstream integrations
  Expansion into civilian markets through specific configuration and deployment of core products

Respond to customer needs and more sophisticated threats Further embed DroneShield products into the customers' ecosystem

Seize further opportunity across the US\$10bn+ TAM

#### Release of next generation flagship products



- Significantly uplift hardware capabilities against next generation drone threats
- Cutting edge modular AI detection platform with smart disruption technology
- Development of AI and ML engines for enhanced detection, identification and response to drones without a static RF library
- Maintains technical and innovation leadership
- ✓ Increase adoption of SaaS and grow revenue and margin
- Expand portfolio with more options for capabilities and price points to customers

## **Executing on our Strategic Priorities**



Leveraging our established and scalable platform to execute on numerous and highly actionable growth levers

## 2025-2026

- Launch of **next gen hardware** across product families
- **Grow SaaS revenue** through new products and additional SaaS options on existing products
- Expand wallet share by embedding more solutions to customers
- Establish European manufacturing and regional sales hub facility
- Initial material sales within the civilian sector, underpinned by increase in drone threat and evolving legislation to enable counterdrone purchases in this sector

### 2027-2028

- Grow pipeline by 100%+ to \$5bn
- Roll-out of AI software to all hardware and SaaS subscriptions
- Substantial amount of sales are driven off system (as opposed to product) sales, and from "whole of lifecycle" sales (true partner to the customer as opposed to a vendor)
- Ongoing feature enhancement and subsequent commercialisation of Access Portal
- Expand EW capabilities/contracts and broader distribution opportunities

### 2029+

- Majority of revenue from SaaS, long term counterdrone contracts and EW contracts
- Increase penetration in existing markets (including civilian markets) and a substantial amount of revenues from replacement of hardware
- Regional manufacturing and regional sales hubs in Middle East and South America



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# Thank you

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# APPENDICES Other Information

## **DroneShield: A Decade of Prediction, Execution and Agility**



DroneShield is utilising its current leadership role in the sector to lead the next phase of evolution in C-UxS technology, driven by rapid advances in drone technology



# **A Global Company**





delivering several multi-million dollar contracts globally and

\$2.34bn pipeline<sup>1</sup>

## **Counterdrone Detection Solutions**

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DRO uses multi-sensor drone detection for optimal results, unaffected by time of day or weather. DRO is an integrator as well as sensor maker, meaning it combines its own and 3<sup>rd</sup> party solutions

$\geq$		Radio Frequency	Radar*	Cameras*	Acoustic*
	ery				
Overv	view	<ul> <li>Foundational layer</li> <li>Detects drone comms protocols (via conventional RF library or an Al engine)</li> </ul>	• Motion tracker - emits signals which are then reflected back to the radar by targets	<ul> <li>Electro-Optical (EO), Infrared (IR) and Thermal</li> <li>Video analytics and image capture identification of drone activity</li> </ul>	• Compares noise of drone blades or motor to a database of acoustic signatures
Advar	ntages	<ul> <li>No interference with other sensors</li> <li>Tracks multiple targets</li> <li>Passive - cannot be "seen"</li> <li>Low false alarm rate</li> <li>Direction-finding capability</li> <li>Long ranges</li> <li>Cost effective</li> </ul>	<ul> <li>Picks up drones without RF emissions</li> <li>Tracks multiple targets</li> </ul>	<ul> <li>Best used for verification, classification and tracking of a target detected by other sensors</li> <li>Potential identification of payloads</li> <li>Provides "eye on target"</li> </ul>	<ul> <li>Passive, cost effective</li> <li>Supporting sensor, filling gaps from other sensors</li> </ul>
Disad	vantages	<ul> <li>Doesn't pick up RF-silent drones</li> <li>Requires firmware updates</li> </ul>	<ul> <li>False alarms (birds etc)</li> <li>Is "seen" as emits energy (passive radars are early stage)</li> <li>Longer range detection is expensive</li> <li>Struggles with hovering drones</li> </ul>	<ul> <li>Not well suited for detection on its own due to field-of-view vs distance trade-off</li> <li>Short ranges</li> </ul>	<ul> <li>Short range</li> <li>False alarms</li> <li>Cannot accurately locate or track</li> <li>Requires signature database updates</li> </ul>

## **Counterdrone Defeat Solutions**



# DRO uses smart jamming which has advantages over other technologies, particularly, in its use across civil and military applications, and does not compete against large Defence Primes

			otic Tech, ed Reliability	A Defence Prime area, such as Kongsberg or EOS Kinetic – "hard kill" force used with potential for destru	Traditionally a Defence Prime area, however new solutions emerging, e.g. Epirus and AIM Defence uctive damage
	Smart Jamming	Spoofing/Cyber/ Protocol Manipulation	Counterdrone Drones	Projectile Fire Kinetic Systems	Directed Energy (Laser or Microwave)
Imagery			Ť.		
Overview	Radio waves force a drone to fly back, hover, or land	• Hijacks the control of a drone	<ul> <li>"Kamikaze" or "catching drones</li> </ul>	g" • Remote weapons systems shoot down drones	<ul> <li>Lasers and high-power microwave systems "dazzle" or destroy a drone</li> </ul>
Advantages	<ul> <li>Universal effectiveness, including against "autonomous drones" flying via GNSS/satellite waypoint navigation</li> <li>360-degree defeat coverage</li> <li>Effective against swarms</li> <li>Civil and military environments</li> </ul>	<ul> <li>Allows for the re-routing and re-direction of malicious drone flight paths</li> <li>Applications in both civil and military environments</li> </ul>	<ul> <li>"Catching" the drone is available to a wider ran of customers</li> </ul>		<ul> <li>Effective against RF/GNSS silent drones</li> <li>Systems can be mounted on naval vessels for complex defence systems</li> </ul>
Disadvantages	<ul> <li>Potential for collateral interference (for a "dirty" jammer) – noting DRO jammers are in-band</li> <li>Drones controlled without RF/GNSS (eg fibre-optic)</li> </ul>	<ul> <li>Not effective against all drones</li> <li>Higher chance of collateral damage</li> <li>30-90sec per drone to engage, can't engage multiple drones at same time</li> </ul>	<ul> <li>Generally slow to deplo</li> <li>Not effective against swarms</li> </ul>	<ul> <li>Coll<i>a</i>teral damage</li> <li>Unsuitable for use in a civil environment</li> </ul>	<ul> <li>In relatively early stages</li> <li>Only available for military applications</li> </ul>

## Leading Technology Utilising Exceptional Market Intelligence



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Origin	▓€.∵ /				/					\$	
Integrator	~	√	$\checkmark$	~	✓	-	✓	-	-	-	✓ Most extensive
DETECT											product range
Dismo unt ed	~	-	-	~	-	-	$\checkmark$	-	✓	-	from handheld to fixed-site
Vehicle	~	$\checkmark$	$\checkmark$	-	-	-	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	solutions
Fixed Site	✓	√	$\checkmark$	-	$\checkmark$	-	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓ Large IP
DEFEAT											portfolio and
Dismounted	✓	-	-	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	-	$\checkmark$	-	robust Al capabilities
Vehicle	✓	✓	-	-	-	-	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
Fixed Site	✓	✓	-	$\checkmark$	-	-	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	<ul> <li>✓ Battle-tested, superior</li> </ul>
COMMENTARY											performance
Platform		<ul> <li>Integrator via its Lattice platform</li> <li>Recently introduced Pulsar RF system</li> </ul>	<ul> <li>Substantially an integrator</li> <li>Acquired AVT, a smaller integrator</li> </ul>	<ul> <li>Roll up by Tex as-based PE Highlan der Partners of Liteye, Black Sage and Radio Hill (in Feb 24)</li> <li>Integrator/C2 supplier, and handheld disruptors</li> </ul>	Focus on law     enforcement     Acquired Aprial	<ul> <li>Handheld Dronekiller jammer gun</li> <li>Lacks a full product suite</li> </ul>	<ul> <li>Lower performance vs DRO</li> <li>European customer focus</li> <li>Defeat is on- the-body, creating potential issues</li> <li>Acquired by Bridgepoint in June 2024</li> </ul>	<ul> <li>In N ov 2024, announced for Aerovironment to acquire BlueHalo for US\$4.1bn, due to close 1H25</li> <li>RF detect-and- defeat (via Citadel purchase)</li> <li>LOCUST laser defeat</li> <li>Acquired Verus Mar 23</li> </ul>	<ul> <li>European focussed competitor, lower performing technologies</li> </ul>	<ul> <li>Proto col manipulation – similar legal restrictions to jamming, less reliability, no swarm protection</li> </ul>	<ul> <li>✓ The only publicly listed pure-play C-UAS company in the world</li> </ul>

## Visionary Team of Industry Veterans with Deep Industry Experience





Majority of the DRO senior team has been with the business for most of its history, delivering rapid growth

Angus Bean CTO and CPO	Lawrence Marychurch Vice President, Design	Paul Cenoz General Counsel & Joint Company Secretary	Nathan Vardanega COO	Raffael Blattner Operations Manager	Carl Norman Vice President, Embedded Systems
	DRONESHIELD			** Baraja	

# **Capital Structure**

Capital Structure (27,800 shareholders)	
DRO Shares on Issue	874,090,159
DRO Options on Issue <sup>1</sup>	56,769,000
Fully Diluted Shares on Issue	930,859,159
Fully Diluted Equity Value <sup>2</sup>	\$1,089.1m
Cash (as of 20 May 2025)	\$213.4m
Debt	-
Fully Diluted Enterprise Value	\$875.7m

 $^1$  Options issued at various strike price and maturities  $^2$  At \$1.17 per share as of 26 May 2025

## Director and Employee Shareholdings

<b>Oleg Vornik</b> , CEO and Managing Director	15,000,000 options	1.61%
<b>Peter James</b> , Independent Non-Executive Chairman	935,345 shares 3,000,000 options	0.42%
Jethro Marks, Independent Non-Executive Director	1,500,000 options	0.16%
simone Haslinger, Independent Non-Executive Director	nil	nil
<b>Richard Joffe</b> , Independent Non-Executive Director	nil	nil
Other Employees	18,527,850 shares 36,569,000 options	5. 92%



### Substantial Holders (over 5%)

Vanguard Group (27 Dec 2024)	47,669,725	5.46%
Regal Funds Management (8 Apr 2025)	81,913,263	9.38%

As per ASX filings



Options and shares held by 130 employees



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