

MICRO-X

2023 AGM

CEO PRESENTATION

Kingsley Hall
Chief Executive Officer



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CREATING REVOLUTIONARY IMAGING TO BETTER LIVES

Commercialisation | Technology | People



THE FUTURE OF X-RAY

Smaller, lighter, reliable



Lighter



No heat



Very fast pulse control



Smaller



Long life



Reliable and robust



MICRO-X

Same platform, multiple applications

Micro-X proprietary Nano Electronic (NEX) Technology

- carbon nanotube emitter made of millions of nanotubes emitting digitally controlled electrons
- generates high quality x-ray images
- increases portability and is more energy efficient.

FOUR INNOVATIVE PRODUCTS

Each product drives a different utilisation of Micro-X's world leading technology

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Mobile Digital Radiology

Lightweight and ultra-mobile x-ray systems delivering high quality images in any treatment area – hospital, out of hospital & humanitarian uses



Argus X-ray Camera

World first high-definition bomb imaging without a separate detector – enables remote / stand-off use, keeping an operator away from the threat



Checkpoints & Baggage Scanner

Baggage scanner for security checks in a range of environments
- Integrated airport checkpoint for passport, body and baggage scanning



Brain CT

Mobile CT unit enabling out of hospital stroke diagnosis - delivering diagnostic quality images from the ambulance



FY2023 HIGHLIGHTS

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Key development milestones achieved laying the foundation for future commercialisation



Leadership transition

Strengthened commercial focus



\$15m revenues ↑67%

\$3.8m product sales and \$11.2m in paid engineering services



\$15m strategic collaboration

Varex Imaging - world's largest x-ray tube manufacturer



\$21m contract extension

US Dept of Homeland Security for Airport Check-in to live testing



Reduced Cost base

\$2m annual savings
- significant reduction in unfunded costs



Brain CT

Full scale stroke imager model presented at Parliament House.



Argus successful field tests

Images of two potential bomb threats viewed from 1,500 away



Argus First Customer Demo

Major bomb industry expo in U.S. with live demonstrations



Rover Plus military sales

Aust Defence Forces JP2060
Humanitarian use in Ukraine

2024 – RECENT PROGRESS

New leadership delivering on strategic objectives

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\$2.9m Q1 sales [FY23 \$3.8m]

More focused approach to customers and delivery into new segments – elite US sports



Argus pipeline

Multiple customer engagements and demonstrations to build interest and pipeline



\$21m DHS contract ext.

US Dept of Homeland Security for Airport Check-in to live testing



Aus Govt orders

\$1.5m for Ukraine military assistance package
Delivery of units for Aust Defence Forces JP2060

Argus pre-market launch

United States customer trials underway
Final stages of compliance testing

Baggage Scanner prototype

First prototype delivered to US – testing commences

A\$0.5m Contract extension - threat detection testing and refinements



CE Mark Certification

Rover & Rover Plus units receive CE Mark
- now approved in all global markets

Brain CT

\$1.3m MRFF Critical Design Review milestone
First images with proprietary mini tube



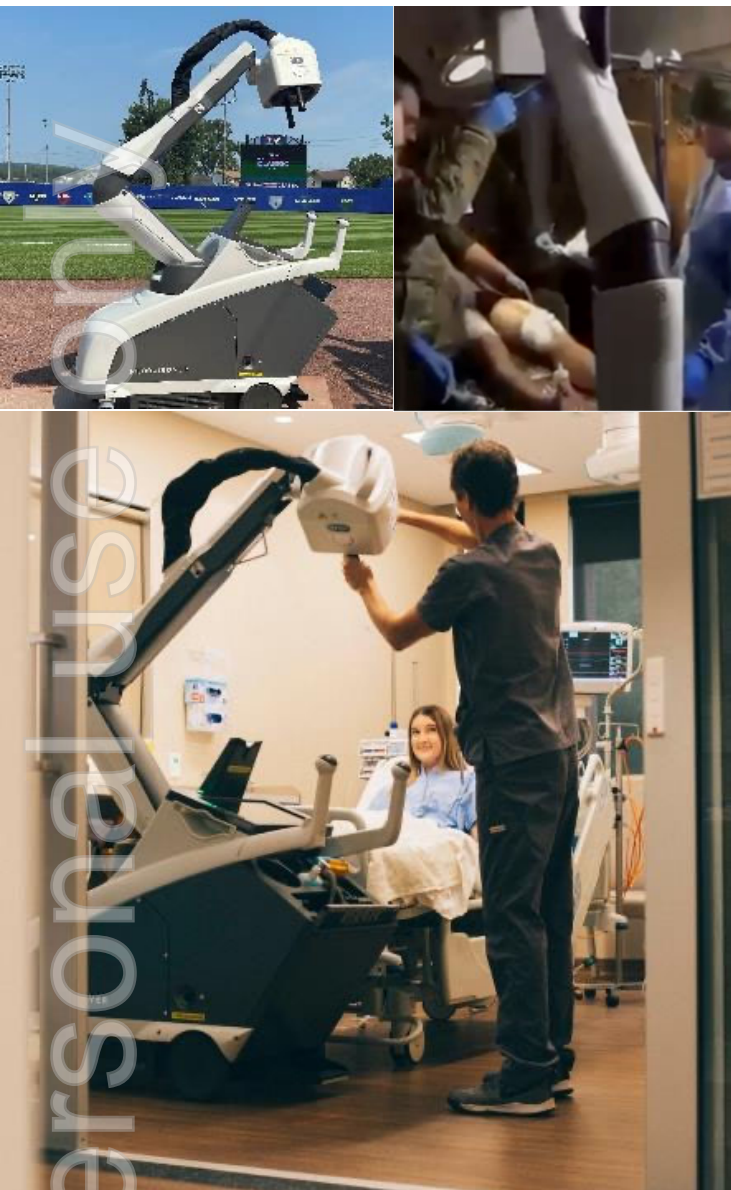
Inventory into cash

\$6m inventory being converted to cash

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PRODUCT PORTFOLIO

Leveraging proprietary NEX Technology



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MOBILE DR

First product to market validating revolutionary technology

Distinct product advantages and range of uses

- Smaller, more mobile, full range of imaging applications
- Meets hospital mobile imaging requirements and military needs
- Applications in elite sports and veterinary clinics

Multi-channel commercial strategy

- Major Independent distributors in key US market
- Growing number of dealers and distributors in Europe, EMEA, APAC
- Core imaging chain – third party commercialisation

Access in key markets

- US - FDA certifications for Rover and Rover Plus support key distributors
- EMEA - UK base and regional distributors – CE Mark Certification received
- Australia - ARTG listed and distributor appointed

Demonstrated capability

- Over 350 units in service in 35 countries
- Rover Plus sold to Australian Defence Force - deployable hospitals
- Multiple units in Ukraine – actively supporting humanitarian needs

\$3.8m

FY23
Revenue

+350 units in

35

Countries

ARGUS X-RAY CAMERA

Saving lives by redefining bomb detection

Unique product advantages and range

- Stand-off detection of potential bomb threats or IEDs – removes operator from threat
- One sided imaging enables imaging of otherwise inaccessible targets
- Only robot deployable system to capture backscatter images remotely
- self-contained Argus < 20kg with range 1,500m+

Simple and scalable – award winning

- NEX x-ray tube - high current and long duration
- Proprietary backscatter x-ray imaging
- In-house manufactured oilless generator up to 160kV

Final steps to launch - customer demonstrations

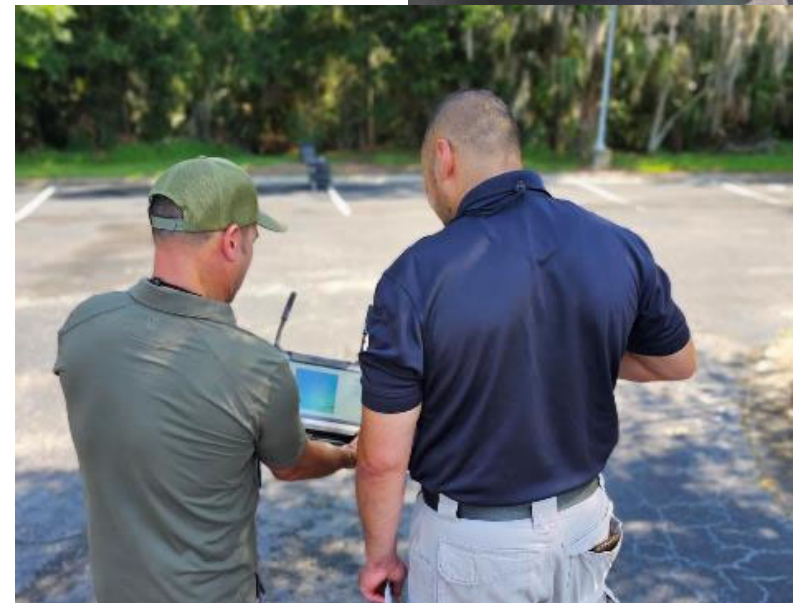
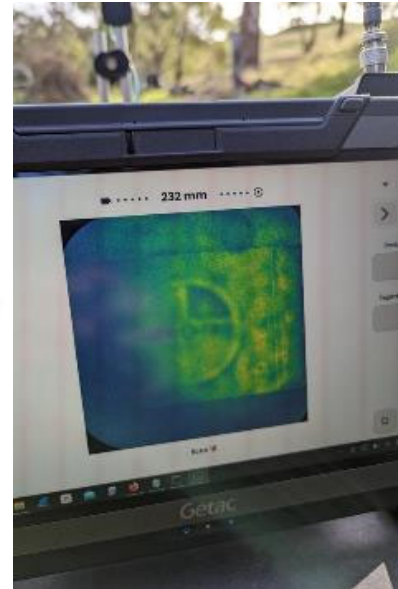
- \$1.8b market - 3,000 counter IED military units > 500 bomb squads
- Customer demonstrations held in US and Australia
- Nearing commercial launch with growing pipeline of marquee customers

1,500m+

Range of
remote
operation

US\$1.8b

Addressable
Market

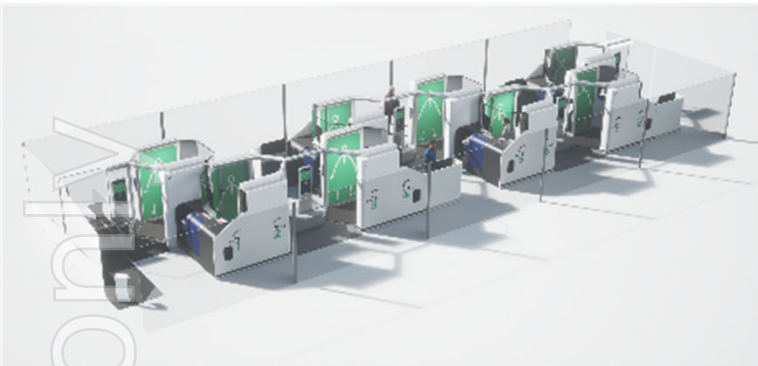


ARGUS X-RAY CAMERA

Saving lives by redefining bomb detection

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The video played at today's AGM will be available on the Company's website



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CHECKPOINTS

Next generation self-service security screening

Significant advantages for travellers + airports

- Faster – Passenger screening in 30 seconds, 8 passengers screened simultaneously.
- Safer – Passenger, baggage, and Identification combined with AI to increase detection and reduce false alarms
- Scalable – Modular design is applicable to any airport and can extend past to include events, buildings, and other screening applications.
- Cost effective – reduces number of officers per passenger.

\$28m DHS funding - live airport testing

- Checkpoint design accepted
- DHS \$28m contract to build and test 6 module lane checkpoint in US airport.
- Baggage Scanner design accepted – prototype completed.

Compelling value proposition

- TSA operates 2200 x-ray lanes across 440 airports in the US
- TSA staffing costs US\$4bn annually
- Potential to save TSA US\$10bn over 10 years of operations
- US\$24bn opportunity in global airports alone

~\$28m

DHS Contract
& Extension

\$24b

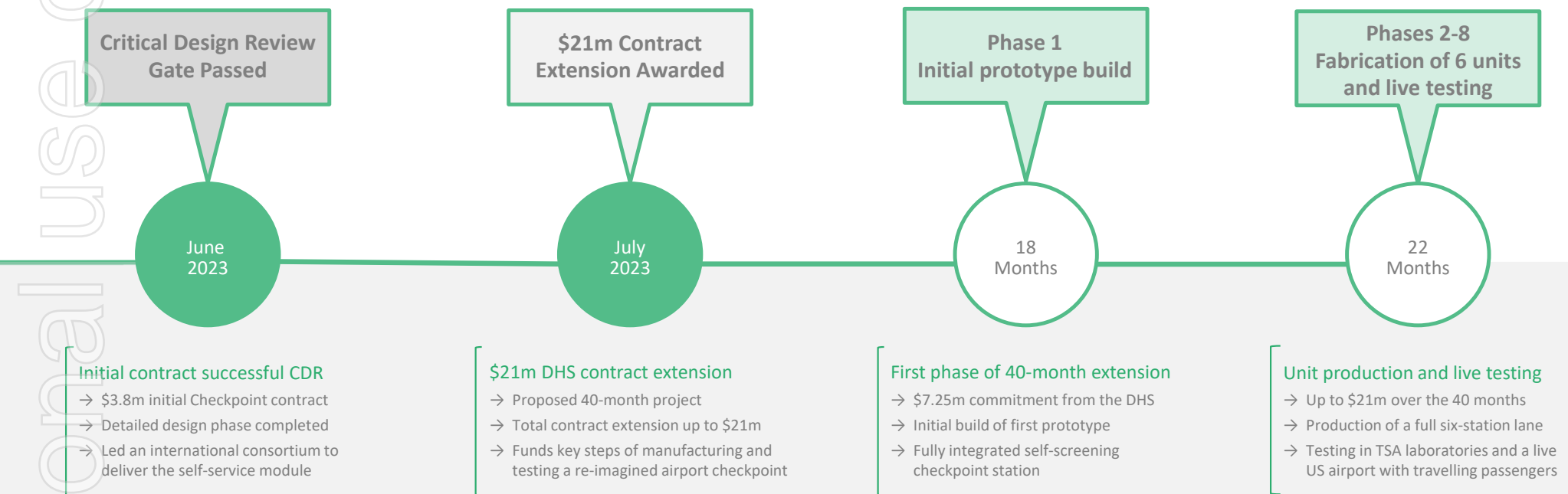
Global Airport
Market Size

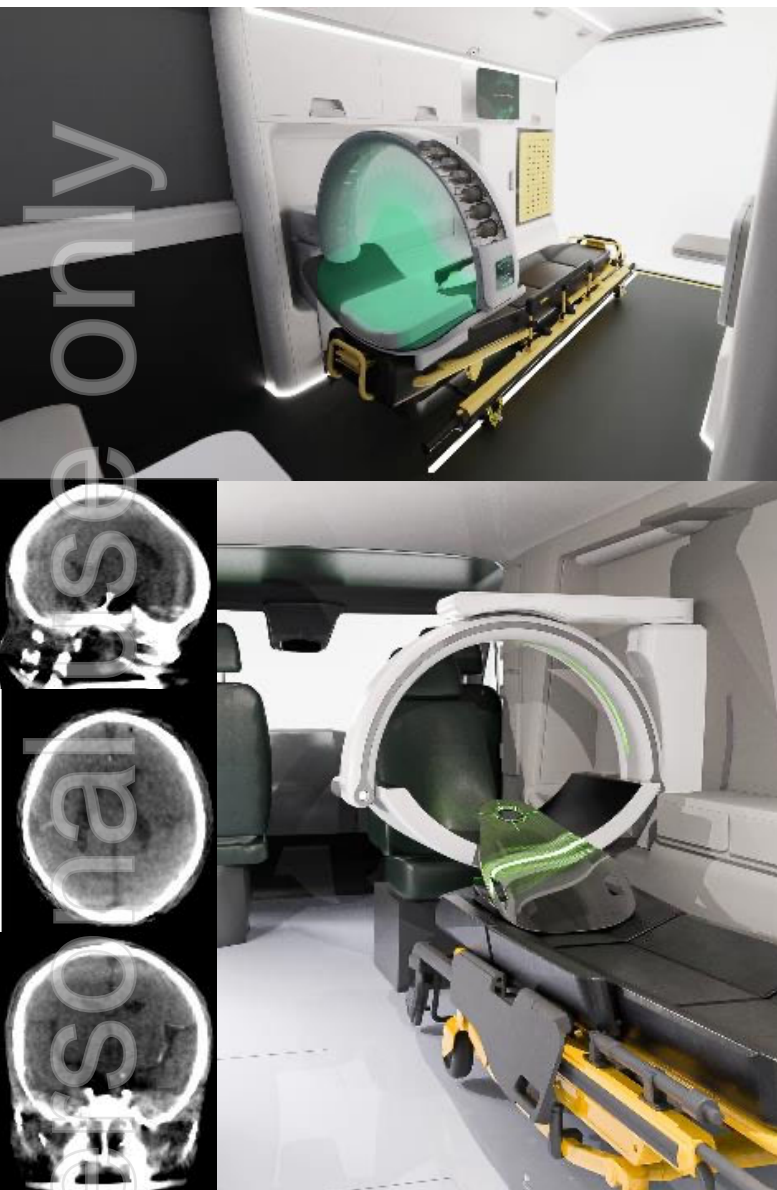
Illustrations provided by Monash University Design Health Collab Collection.

DHS CHECKPOINTS PROJECT

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The DHS Checkpoints contract extension marks the next stage in full commercialisation





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BRAIN CT

Taking stroke diagnosis from the hospital to the ambulance

Saving lives with stroke diagnosis in any ambulance

- Mobile – 70kg unit suitable for all road and air ambulances
- Accurate – 8 second scan for 3D imaging down to 0.5ml blood
- Enabler – Life saving response time
- Economical – improved patient outcomes reduces burden on healthcare system

\$8m funding pathway to regulatory approvals

- A\$8m partnership with the Australian Stroke Alliance
- Johns Hopkins Hospital and Fujifilm technical partners
- Design and test images prove concept

Growing global awareness

- 13.5 million strokes a year, 65% of survivors experience major disability
- Value proposition proven by current ultra large mobile stroke units
- MOUs with two European emergency services organisations

\$8m

MRFF funding

100k

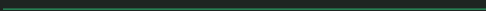
Ambulances
US + EU

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DRIVING COMMERCIAL SUCCESS



B u i l d i n g a b u s i n e s s n o t j u s t a t e c h n o l o g y



OUR STRATEGY

Creating a profitable business with our world class technology

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01

Commercial skills - Commercially driven

Building commercial skills - prioritising commercial outcomes in all decision making. Building a business not just a technology

02

Sweat the asset - Leverage our technology

Created significant value in our current unique technology – actively exploring ways to monetise this investment

03

Target larger and less competitive markets

Focusing on products in larger markets with limited competition – greater upside and margin opportunities

06

Create recurring revenue streams

New sales model to pivot from CAPEX only products – software, upgrades, servicing

05

Commercialise through effective partnerships

Reduce risk and cost by leveraging existing infrastructure of partners - capturing large addressable markets in Checkpoints and Brain CT

04

De-risk the business - Reduce the cost base

Scaling costs to match commercial progress. Minimising unfunded development expenditure

PARTNERS FOR GROWTH

De-risking development and unlocking value from our Technology

Development Partner



Checkpoints - \$28m funding

Transform the passenger security
experience in US airports

Development Partner



Brain CT - \$8m funding

Taking stroke diagnosis from the hospital
to the ambulance

Licensing Partner



Multibeam Emitters - \$15m

Licence Micro-X's proprietary technology
in multi-beam x-ray tubes



**Licensing
technology**

New revenue from licensing core technology
and selling imaging components
– *The Intel inside* strategy

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Leading technology



Multiple applications








Validated

REVENUE TIMELINE

Commercialising four revenue generating product lines by 2026

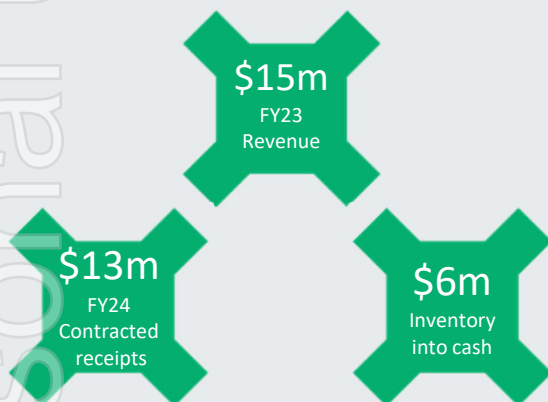
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Division	Sector	Products	Commercial Status	Revenue Timeline				Next major milestone
				2023	2024	2025	2026	
Mobile DR	Healthcare	 Rover / Rover Plus	\$3.8m Revenue – FY23 FDA and TGA 350+ units sold to date	CE Mark Sales in Europe				Sales in Europe
Argus X-Ray Camera	Security & Defence	 Argus	Customer trials Launching 2023	Completing development – transfer to manufacturing	First Sales			First sales Marquee organisations
Checkpoints	Security & Airports	 Checkpoint Portal Baggage Scanner	Design accepted Up to \$28m DHS contract through to live testing	Checkpoint Portal Up to A\$21m Contract Extension –	Baggage Scanner – TSA lab testing Checkpoint Portal – TSA lab testing	First scanner sales Checkpoint Portal – Build 6 module lane	 Live US Airport testing	Baggage scanner prototype Delivered to TSA for testing
Brain CT	Healthcare	 Brain CT Scanner	Design Accepted \$8m MRFF funding through to regulatory approval	Brain images using prototype test bench	Imaging trials with ASA	Regulatory submission	Regulatory approval	Brain CT prototype Delivered to ASA for testing

CORPORATE & FINANCIALS

Committed cash inflows

– \$8.9m committed Dec 23 & March 24
Quarters



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FINANCIALS & SHAREHOLDERS

Cash ~A\$1.3m (30 September 2023)
+ \$7.2m received October 2023

Revenue A\$15.0m (FY2023) **+67%**

Institutions + Strategic Investors Perennial (10.2%), Varex (9.9%),
Acorn (8.8%), Thorney (5.1%)

Board & related parties 5.0%

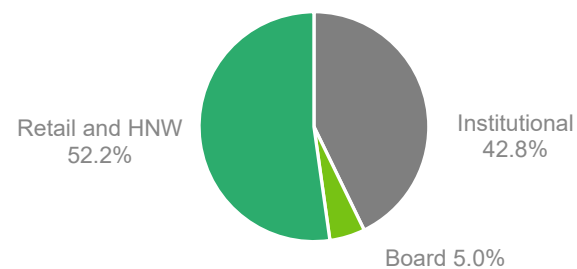
SHARE CAPITAL (28 November 2023)

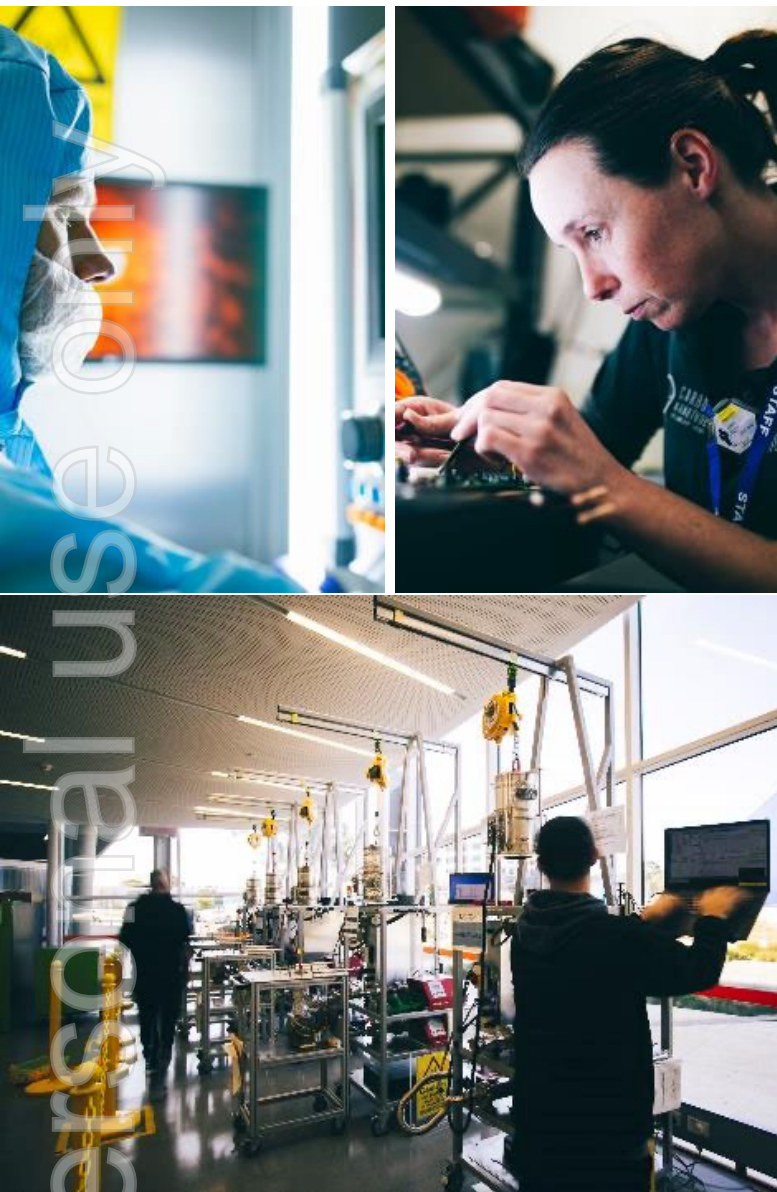
Share price \$0.12 per share

Total shares on issue 518.1 million

Options & performance rights 28.6 million

Market cap A\$62.2m





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SUMMARY

Pioneers in carbon nanotube x-ray technology

Creating revolutionary imaging to better lives

- Pioneers in proprietary carbon nanotube X-ray technology – Nano Electronic X-ray (NEX)
- Innovative product portfolio spanning healthcare and security applications

Platform technology underpinned by development capabilities

- Manufactured and sold over 350 Mobile Digital Radiology units – FDA, CE Mark and TGA certifications
- World leading engineering, design and software team - track record of complex programmes

Vertically integrated design and production facility

- R&D, production and corporate headquarters in Adelaide, South Australia
- Growing technical and software team in Seattle, USA

Partnerships to fund development and commercialisation

- Industry Partnerships - US Department of Homeland Security (\$28m) and Australian Stroke Alliance (\$8m)
- Strategic Partnership - Investment and licensing to Varex (\$15m) – world's largest supplier of X-ray components

Growing revenue base and market opportunities

- \$15m revenues in FY2023 – realigned cost base and strategies to drive commercial outcomes
- Near term launch of Argus X-ray camera for global bomb disposal market
- Airport check point and scanner products – funded through live airport trials within 36 months