

CODAN LIMITED

Management Briefing & Site Tour Presentation
19 May 2017

 CODAN

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AGENDA

- 9.10am **Introduction to Codan & Business Overview** – Donald McGurk (Managing Director & CEO) & Michael Barton (CFO & Company Secretary) – **40 mins**
- 9.50am **Break & Radio Communications product demo** – **10 mins**
- 10.00am **Radio Communications** – Steven Jenkins (General Manager Radio Communications Australia) & Francesca Doyle (Director of Marketing, Radio Communications) – **45 mins**
- 10.45am **Morning Tea & Radio Communications product demo** – **15 mins**
- 11.00am **Metal Detection** – Peter Charlesworth (Executive General Manager Minelab) & Mark Lawrie (Product Technology Manager) – **45 mins**
- 11.45am **Tracking Solutions** – Rory Linehan (Executive General Manager Minetec) – **30 mins**
- 12.15pm **Site Tour** – **45 mins**
- 1.00pm **Lunch**
- 1.45pm **Conclusion**

INTRODUCTION & BUSINESS OVERVIEW

Donald McGurk

Managing Director & CEO

Michael Barton

CFO & Company Secretary

TECHNOLOGIES FOR GLOBAL MARKETS

- Headquartered in South Australia, Codan is an international company that develops rugged and reliable electronics solutions for government, corporate, NGO and consumer markets across the globe
- Our purpose is to create long term shareholder value through the design, development and distribution of innovative technology solutions
- Over our 57 year history we have developed technologies which give us a sustainable competitive advantage in our chosen markets



DELIVERING SHAREHOLDER VALUE OVER THE LONG TERM

Shareholder value

We succeed by:

- Developing unique, high value technology
- Delivering superior product performance in the harshest conditions
- Solving customers' safety, security and productivity problems
- Creating multiple revenue streams from globally diversified markets

Core values



Can-Do



High Performing

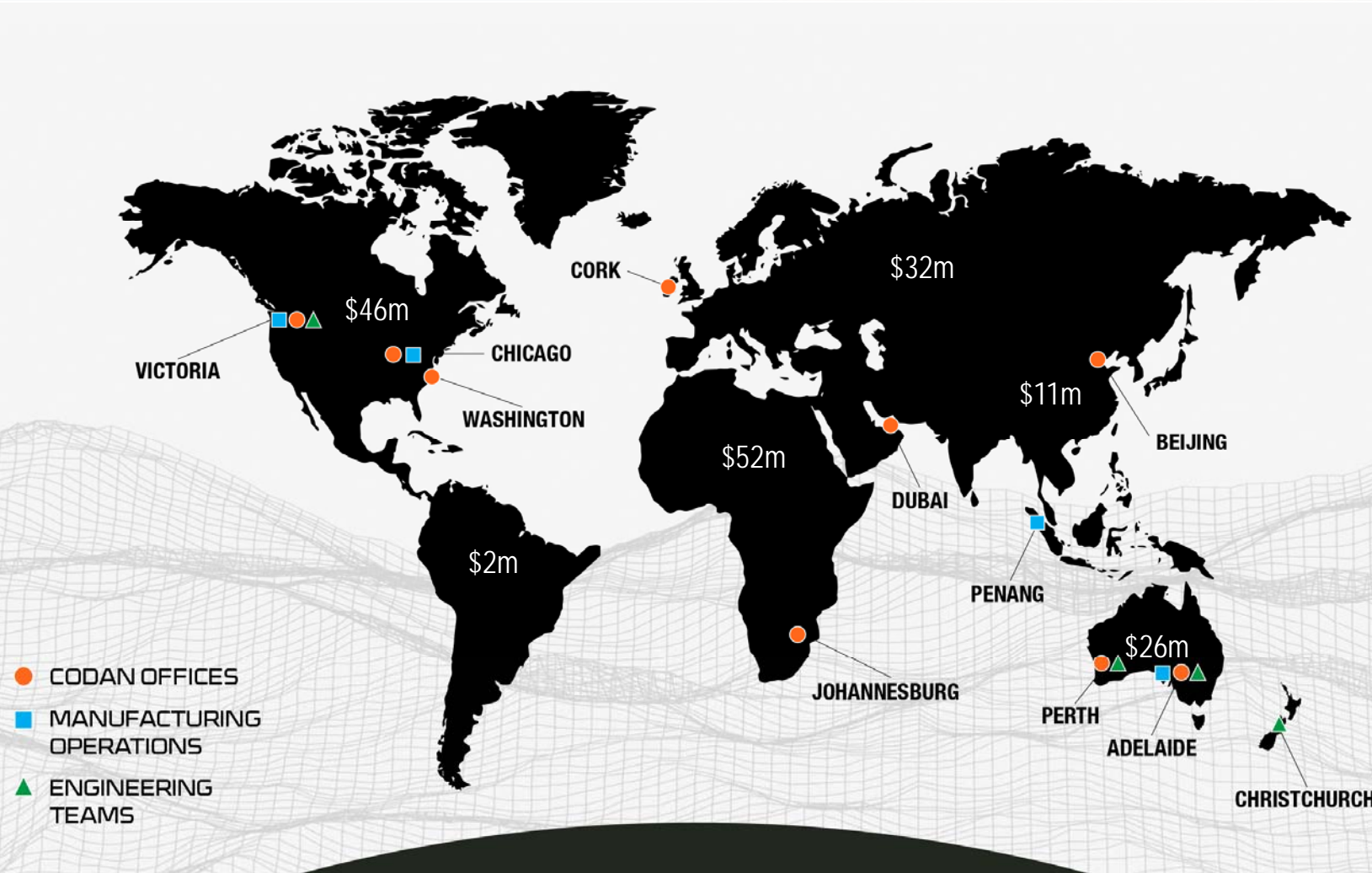


Customer Driven

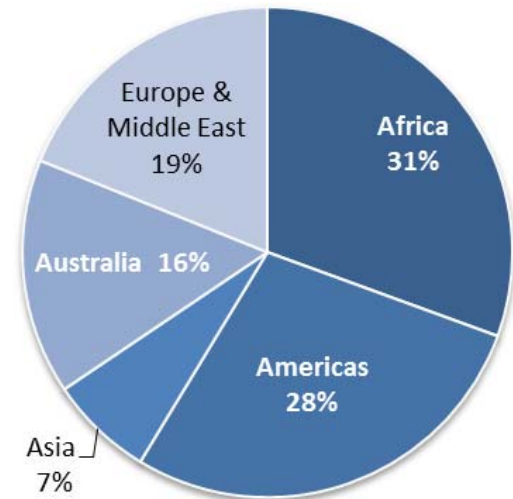


Openness & Integrity

GLOBAL FOOTPRINT – 85% OF SALES EXPORTED



FY16 sales by location



FY17 PROFIT UPGRADE

Strong sales continue

- Gold detector sales into Africa in the second half have continued to be strong
- Total sales 10 months to 30 April \$191 million – up 33%
- Full year underlying NPAT guidance upgraded to circa \$44 million
- Strong balance sheet – \$20 million net cash position at 30 April

BUSINESS UPDATE

Radio Communications

- Sales 10 months to 30 April \$61 million – up 6%
- Strong first half in HF due to delivery of large project
- Will deliver a stronger second half for LMR
- Cascade development on track for FY18 release
- Growth over the medium term as we transition from a product to solutions business

Minelab

- Sales 10 months to 30 April \$124 million – up 52%
- Gold detector sales into Africa continue to be strong as customers upgrade their GPX gold detecting equipment
- Remain well connected into the African market
- Established consumer markets outside Africa have also performed well

BUSINESS UPDATE

Minetec

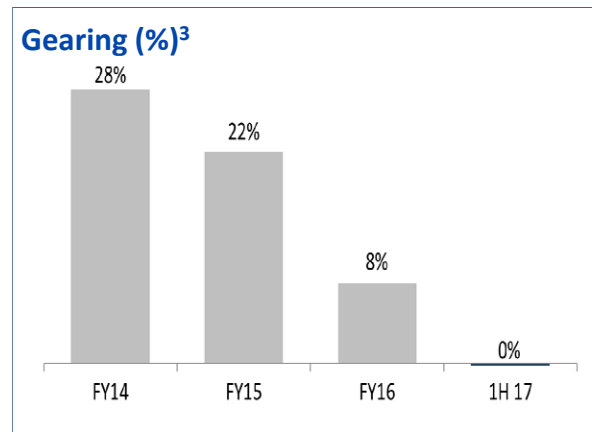
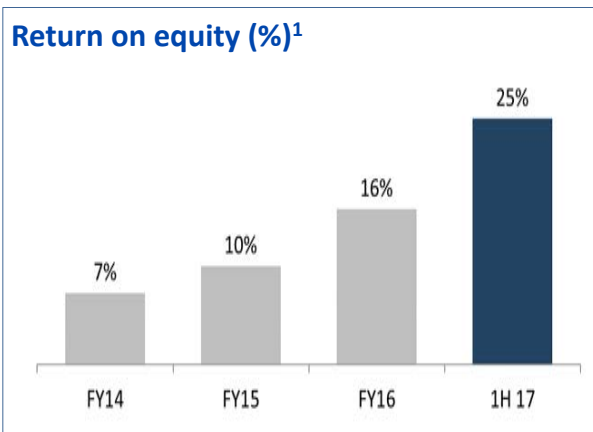
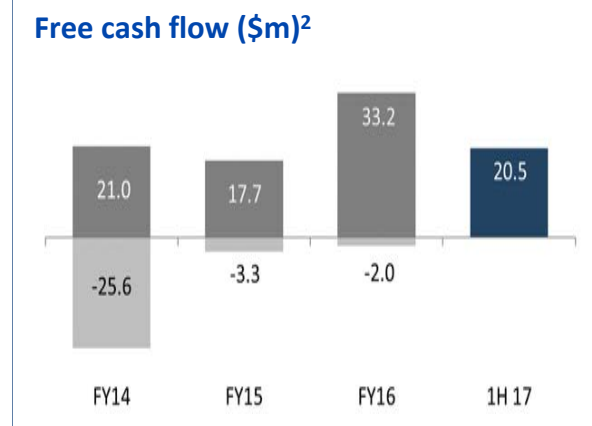
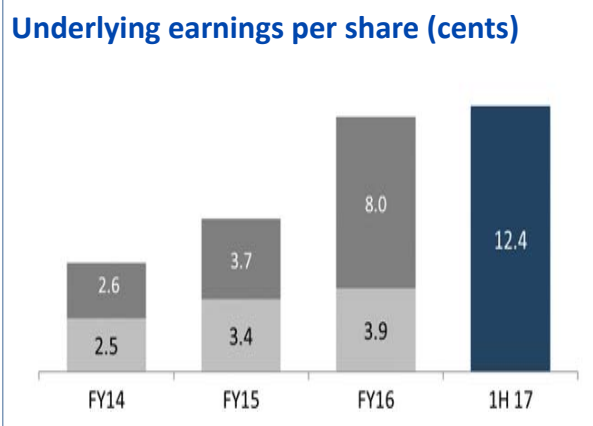
- Positive profit contribution for FY17
- Successfully deployed technology for key customers
- Unique product offering in high precision underground tracking
- Focus directed towards scaling the business and increasing profitability

Codan Defence Electronics

- Recent initiative to capitalise on our long history of supplying the defence sector
- Core technical competence in RF sub-system design
- Supplying to large defence contractors
- Significant opportunity – long sales cycle

PROFITABILITY

Key ratios at 31 December 2016



■ 1H ■ 2H

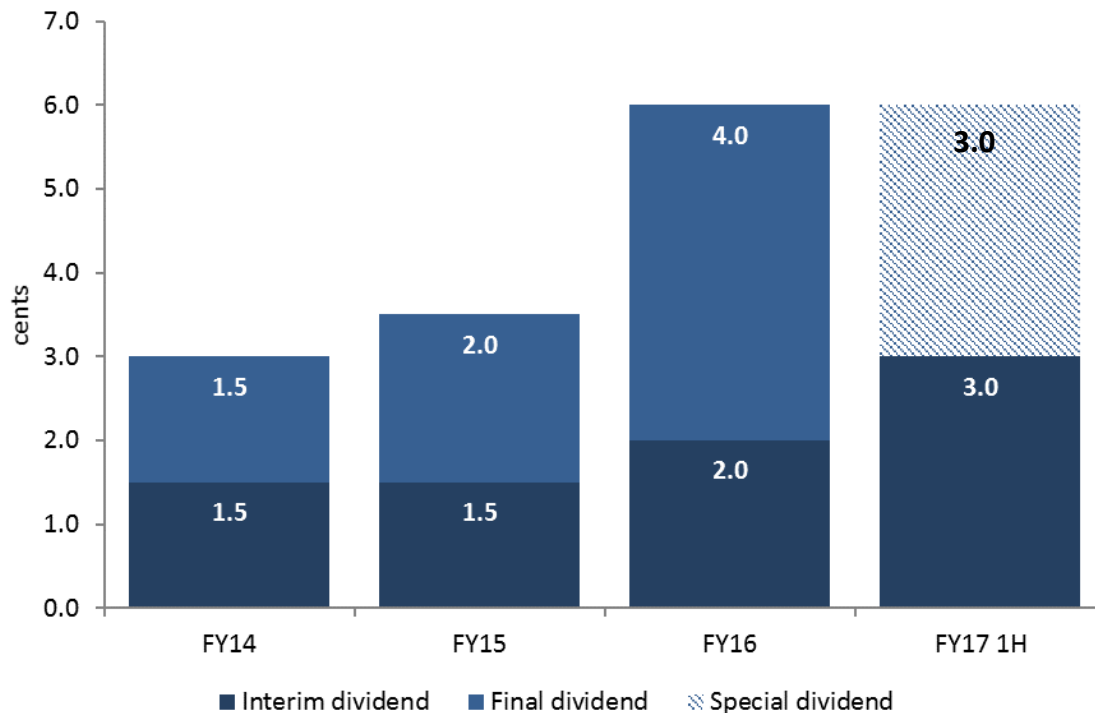
¹Return on equity calculated as net profit after tax divided by total equity

²Free cash flow = operating cash flow + interest – cash outflow for product development, IP acquisition and capital expenditure

³Gearing = net debt / net debt plus equity

- Continuing to generate positive free cash flow
- Debt free - \$20 million net cash position at 30 April
- Banking facility \$55m
- Strong investment in product development continues
- Unique products deliver high operating margins
- Strong sales on a largely fixed cost base deliver increasing profitability

DIVIDENDS



- Strong history of dividend payments
- Board has maintained a 50% dividend payout ratio
- Dividends are fully franked
- FY17 interim dividend was increased 50%
- Also paid a special dividend to reflect outperformance of the business



Q&A

Steven Jenkins

Vice President and General Manager, RC Australia

Francesca Doyle

Director of Marketing, Radio Communications

RADIO COMMUNICATIONS

Overview

Communication Solutions that simply and reliably connect those that defend, protect and support humanity in the harshest environments

- High Frequency (HF) core of the founding company
- Land Mobile Radio (LMR) acquired in 2012 (Daniels Electronics) and located in Victoria, Canada – 50+ year history
- Offices in Adelaide, Canada, USA, Dubai, New Zealand
- Engineering teams in Adelaide, Canada and New Zealand – 70 engineers



RADIO COMMUNICATIONS

Two technology platforms



Long Range Digital Radio (HF)

- Infrastructure free, long range radio
- Used by security, peacekeeping, humanitarian and military organisations
- Used extensively in Africa, Middle East and Asia

Land Mobile Radio (LMR)

- Land based VHF, UHF wireless systems
- Used by emergency responders for mission-critical communications (i.e. police, ambulance, firefighters)
- Our products predominantly used in North America and Australia

RADIO COMMUNICATIONS

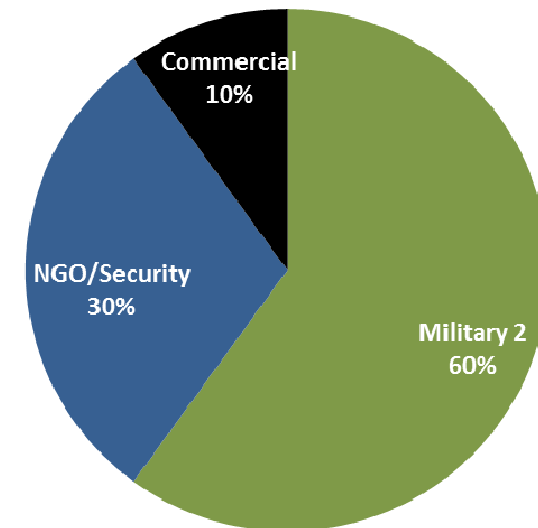
HF products & markets

Long range digital radio (HF)

- New product development directed at Military 2
- Acquisition of Stealth Telecom (Jan 2017) expanded product line to include HF antennas
- Large project wins impact annual revenues



Codan's HF markets
US\$500M



HF market segments:

- Military 2 – developing world military in Africa, Middle East, Asia, Eastern Europe & Latin America
- NGO/Security – UN, Humanitarian, Border Guards & Peacekeeping
- Commercial – Government, Emergency Services & Utilities

RADIO COMMUNICATIONS

HF products & markets

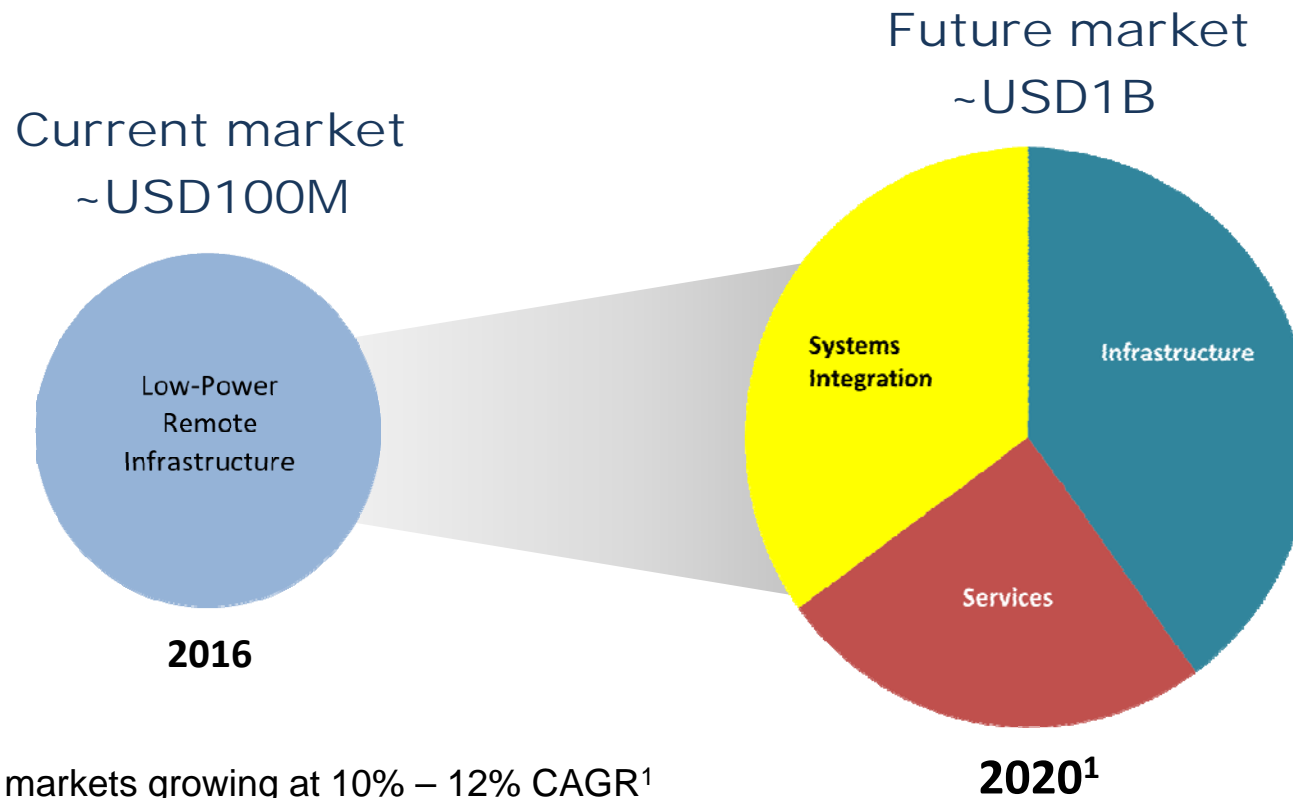
HF products for Military market:

- Sentry-V military VHF radio
- Sentry-H military HF radio
- Stealth 93XX series antenna
- RIOS radio interoperability system



RADIO COMMUNICATIONS

LMR market



- Target markets growing at 10% – 12% CAGR¹
- Expanding from ~USD100M low-power, remote infrastructure market into ~USD1B systems market as a Radio Network Solutions provider
- Key customers:
 - Public safety organisations (first responders)
 - State and county offices
 - Mining, oil & gas, utilities

RADIO COMMUNICATIONS

LMR Cascade – Software defined radio based on P25 Standard

- 50+ year history in the mountain top repeater space
- Positioning as a Radio Network Solution
- Targeting customers with large land areas and low population
- Demand for 'simple to use' radios and interoperability is driving the solutions focus for Codan
- Gap in the market for good quality and service
- Phased approach for Cascade release starting FY18



IWCE Cascade launch, March 2017

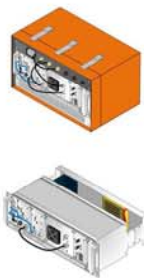
RADIO COMMUNICATIONS

LMR – Radio Network Solutions



REMOTE FIXED and TRANSPORTABLE INFRASTRUCTURE

Our MT-4E modular-based repeater and base station uses our rugged, low-current MT-4E modules, and features a control card slot for optional local channel control and to facilitate external equipment interconnect, and an optional antenna relay for half duplex/simplex operation. The modularity of our design means that our base station can be customized to suit various applications by adding amplification, encryption, AC/DC conversion and remote control capability.



MT-4E Series

TRUNKING, VOTING, SIMULCAST and CONVENTIONAL LMR NETWORKS

Cascade is a next-generation P25 base station/repeater that offers the only integrated system-in-a-box solution on the market. This all-inclusive package features two 100W P25 repeaters mounted inside a 4RU subrack complete with network interface and power supply. The Cascade repeater brings to the market simulcast and voting systems, P25 trunking systems (Phase 1 and Phase 2) as well as a wide range of networked repeater solutions. Featuring a built-in controller, the Cascade provides voting, simulcast, and P25 trunking network control allowing small-to-medium sized networks to be built without the need for any central controllers.



CASCADE

CELLULAR NETWORK INTEGRATION

Stratus is the first deployable P25/LTE hybrid solution that leverages the strengths of both technologies to provide secure mobile voice networks. With the power of P25 and LTE (3G/4G), Stratus has the mobility of a subscriber unit in a lightweight, easily transportable infrastructure solution, ensuring complete system and network coverage from any location, whenever you need it. The Stratus product family also includes a Stratus Fixed Site that enables new and existing Codan base stations and repeaters that are in a fixed configuration to utilize LTE cellular networks for backhaul and dispatch, replacing the need for costly leased lines and T1 connections.



FirstNet STRATUS

LEGACY REPLACEMENT

The Codan Cyclone is a drop-in replacement for Motorola Quantar™ repeaters that enables future migration to a P25 standards-based network and backhaul over Ethernet. It integrates seamlessly into a proprietary V24 network eliminating the need for "forklift upgrades."



CYCLONE

HF INTEGRATION

The MRAY is a unique solution for linking multiple analog/P25 repeater sites. The solution integrates Codan's Envoy HF radio, an LMR VHF/UHF 30W repeater and 3031 Crosspatch to enable long distance communications between two or more P25 repeater sites via an HF link.



MRAY



Q&A



Peter Charlesworth

Executive General Manager, Minelab

Mark Lawrie

Product Technology Manager

METAL DETECTION

Overview



World's best metal detecting technology for finding gold, treasure and land mines

- Minelab - founded in 1989
- Acquired by Codan in 2008 – \$38M sales
- FY16 sales \$99M – strong growth as new markets opened
- Offices in Adelaide (engineering & sales), Dubai, USA, Ireland
- Engineering team in Adelaide



At Minelab, **We Change People's Fortunes** by creating the world's best metal detectors



METAL DETECTION

Markets



Recreation

Adventure • Treasure • Gold
We have recreational detectors for all skill levels.



Key markets - Australia, USA, Europe, Russia

Users:

- Families
- Weekend enthusiasts
- Serious treasure hunters
- Keen gold prospectors
- Archaeologists
- Beach & deep sea detectors

Gold Mining

Prospecting • Community • Environment
Gold Detectors for the small scale gold miner.



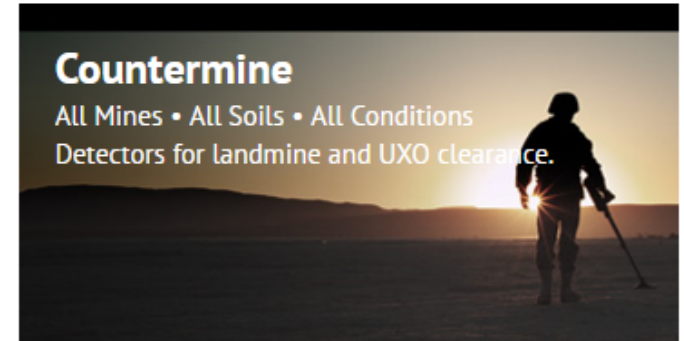
Key markets – Africa / AsiaPac / LATAM

Users:

- Small scale artisanal miners

Countermine

All Mines • All Soils • All Conditions
Detectors for landmine and UXO clearance.



Key market – countries impacted by war – past and present

Users:

- Demining organisations
- Governments
- Security forces

METAL DETECTION

Coin & Treasure detectors



Retail prices ranging from US\$150 to US\$2500

From the entry level **GO-FIND 20** to the ultimate **CTX 3030**, Minelab has the right treasure detector for you.



	GO-FIND Series	X-TERRA Series	Safari	E-TRAC	Excalibur II	CTX 3030
Discrimination	★	★★	★★★	★★★★★	★	★★★★★
Waterproof Detector	✗	✗	✗	✗	✓✓ 60m	✓ 3m
Waterproof Coil	✓ 0.6m	✓ 1m	✓ 3m	✓ 3m	✓✓ 60m	✓ 3m
Standard Coil	8" / 10" Rectangular	9"	11"	11"	10"	11"
Batteries	4 x AA	4 x AA	8 x AA (Rechargeable Option)	Rechargeable (8 x AA Option)	Rechargeable	Rechargeable (8 x AA Option)

METAL DETECTION

Gold detectors



Retail prices ranging from US\$999 to US\$9,999

From the entry level **X-TERRA 705 Gold Pack** to the ultimate **GPZ 7000**, Minelab has the right gold detector for you.



**X-TERRA 705
Gold Pack**



**GOLD MONSTER
1000**



SDC 2300



GPX Series



GPZ 7000

	X-TERRA 705 Gold Pack	GOLD MONSTER 1000	SDC 2300	GPX Series	GPZ 7000
Relative Depth	★	★	★★	★★★★	★★★★★
Waterproof Detector	✗	✓ Rainproof	✓	✗	✓ Rainproof
Waterproof Coil	✗	✓	✓	✗	✓
Standard Coil	10" x 5"	10"x6" DD + 5" DD	8"	11" DD + 11" Mono	14"
Batteries	4 x AA	Rechargeable	4 x C-cell	Rechargeable	Rechargeable

METAL DETECTION

GPZ 7000®



- Ground-breaking technology
- Up to 40% depth improvement over GPX 5000®¹
- Deepest ground penetration available
- Three to five year development cycle for major technology platforms
- High return on investment
- Large Coil (19") now available; even deeper detecting performance



¹ when compared to average GPX 5000® performance in the same environment

METAL DETECTION

New product



- Entry level specialist gold detector for recreational enthusiasts and small-scale gold miners
- Retail price under US\$1,000, below that of GPX
- Designed specifically for small-scale gold mining
- Rugged and easy to use through automation
- First product sales May 2017

Features:

- Fully automatic operation
- Extra sensitive performance
- Highly adaptable
- Easy quick start
- Waterproof



METAL DETECTION

Developing dual sensor detector for Australian Defence Force



- \$6.7m development contract awarded by Australian Defence Force in August 2016
- Funds majority of engineering investment
- Working with US partner, NIITEK Inc.
- Combines Minelab's metal detection technology with advanced ground penetrating radar
- Dual sensor in compact platform, enhanced capability meeting ADF specifications
- Development to be completed during FY18
- Will result in world's best dual sensor detector





Q&A

Rory Linehan

Executive General Manager, Minetec

TRACKING SOLUTIONS



Overview

Highly accurate tracking of assets to improve mine productivity and safety

- Minetec - founded in 2000
- Acquired by Codan in 2012
- Continued development of underground tracking solutions
- Offices in Adelaide (project delivery), Perth (engineering & sales), South Africa (sales)



<http://minetec.com.au/>

- Product differentiation:
 - Real time production management system
 - Single sensor: communications, ranging & localisation
 - Single vendor: tracking, safety & task management



TRACKING
VISUALISATION



TASK
MANAGEMENT

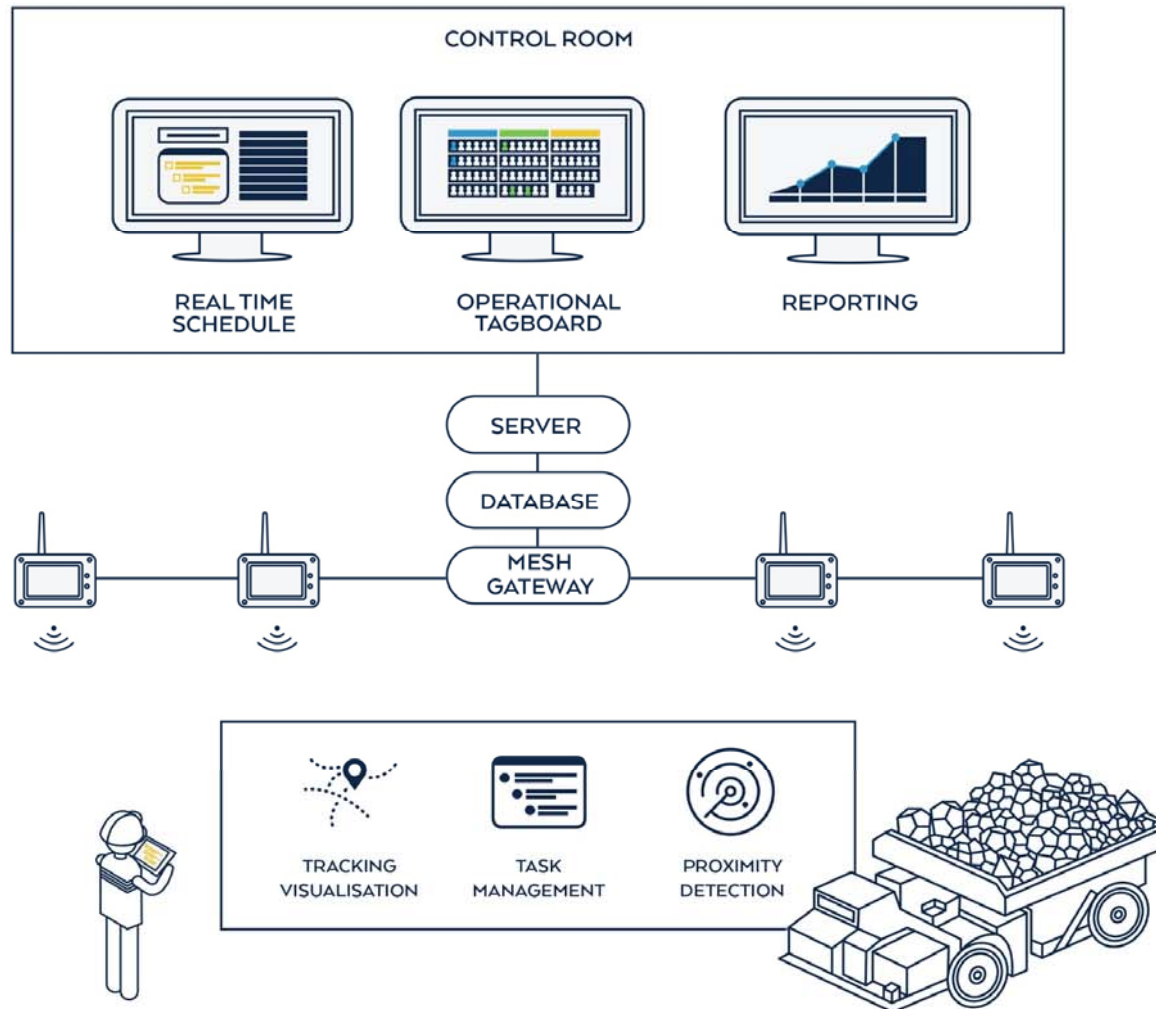


PROXIMITY
DETECTION

MINETEC SOLUTION

Lifting the lid on the Digital Mine

MINETEC



TRACKING SOLUTIONS

Change management, Transformation & Innovation

MINETEC

Digital Mine: unlocking today's operations

- Shift turn-around
- Asset availability & utilisation
- Traffic management
- Proximity awareness & detection
- Real time production management

Remote and Autonomous Operations

- Safe working practice
- Data communications
- Visibility
- Control



Q&A