

Department 13 showcases MESMER™ solution to Australian customers and capital markets audience

Sydney, Australia: Department 13 International Ltd (ASX : D13 or “the Company”) will today host the Annual General Meeting and a live demonstration of its flagship MESMER™ counter-drone solution, showcasing the non-kinetic drone mitigation technology to potential Australian customers and the capital markets stakeholders.

MESMER™ can detect, identify and mitigate either hostile or nuisance drones across a range of national security, defence or commercial applications. The solution utilises patented protocol manipulation technology to take over the drone when it flies into a defined air space. Once the operator has control of the drone the threat can be mitigated in way that is not dangerous to personnel or infrastructure in the area.

The validation event for the Australian investor audience follows on from the Company’s recent participation at Black Dart, the US Department of Defense premier counter-drone exercise, where the MESMER™ product surpassed expectations.

Department 13’s strategic partner and regional distributor, EPE, will also present on the opportunities for MESMER™ across its extensive network of defence and security customers across Australia and New Zealand.

Department 13’s CEO Jonathan Hunter commented:

“As the proliferation of drones accelerates, so does the recognition of the security risks they pose. Department 13’s MESMER™ counter-drone solution provides a unique non-kinetic solution, to detect and identify hostile or nuisance drones when they enter airspace, and mitigate it safely, without harming surrounding personnel or infrastructure.”

“Having successfully validated the technology with a number of prospective tier one defence and security customers in the US, we are delighted to now showcase Mesmer in Australia, with the milestone taking us closer to commercial product launch in January 2017.”

Warwick Penrose, Director at EPE, said:

“EPE is excited to leverage its extensive network of security, defence and intelligence relationships to bring this leading technology to the Australian and New Zealand market. Department 13’s MESMER™ drone-mitigation products offer customers an innovative and highly effective solution to problematic drones. EPE is

already in the process of customer demonstrations, with significant levels of interest from our network.”

A replay facility will be accessible from tomorrow via the company’s website for shareholders and other interested stakeholders.

In accordance with Listing Rule 3.13.3, the attached is prepared address by the Chairman of the Company, Jonathan Hunter that will be delivered at the Annual General Meeting.

-ENDS-

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About Department 13 International Ltd

Department 13 was founded in Virginia in 2010 by a team of former military operators, scientists and engineers who apply proprietary innovative advanced technology to emerging requirements.

D13 is developing cutting edge software and communication systems that have the potential to transform the networking and communication fields as well as current applications in drone defence, mobile phone IT security and secure enhanced android phone systems.

D13 has 13 patents and 22 patent applications in the development of wireless protocol manipulation and communication networking software with applications in:

- Drone defence
- Local area and wide area cellular communications and networking
- Enhanced data bandwidth for all digital communications
- Cyber security for mobile devices
- Sophisticated applications in the RF environment (Radiometrics).

department **13**

Capital Markets Day & AGM

Mesmer™ Counter-Drone Technology Demonstration and Investor Presentation

2 November 2016

Sydney

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- » By accepting this presentation, you acknowledge and agree to be bound by each of the foregoing statements.

1. Presentation by Jonathan Hunter, CEO, Department 13

Review of D13's Mesmer development progress, technology validation milestones and market opportunities.

2. Presentation by Warwick Penrose, Director, EPE

Background on EPE, brief on Australian MESMER opportunities and potential applications.

3. Live demonstration of MESMER technology

4. Question and answer

Developing a Novel Drone Defense System

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- Department 13 is a highly specialized communications company that operates in unlicensed frequency spaces such as the ISM (Industrial Scientific Medical) band, which is used globally for WiFi, Bluetooth, Z-Wave, etc. This space is also used for drones, other RC applications and Improvised Explosive Devices(IED).
- Department 13 has developed powerful protocol manipulation software capable of operating in the drone defense industry, cyber security, Radio Frequency (RF) tracking applications, software communications and networking.
- Department 13's flagship product, MESMER, can detect, identify and mitigate either hostile or nuisance drones across a range of national security, defence or commercial applications.

ASX Code	D13	
Issued Capital	Shares	468,136,913
Share Price	Current	\$0.155
Market Capitalisation		\$70.2m
Cash	at 30 September 2016	\$6.47m



Jonathan Hunter – Chairman and CEO

- Over 25 years experience in leadership positions within the US Military and Government Advisory Committees.
- Former Advisor to the National Academy of Science on defense technology applications.
- BS in Criminal Justice and MBA in Technology Management

Dr. Kathleen Kiernan – Executive Director

- Former Assistant Director ATF, 29 year veteran of Law Enforcement. Member of the US Army Science Board, member US Air Force Strategic Studies Board, Member IBM Network Science Research Center.
- PhD in Education from Northern Illinois University, MS in Strategic Intelligence from the Joint Military Intelligence College in Washington D.C. and MA in International Transactions from George Mason University Homeland Security Policy Institute.
- Recipient of Women of Influence – Public Sector Award in 2010

Al Teller – Executive Director

- Former Chairman and CEO of the MCA Music Entertainment Group and CBS Records Music Entertainment
- BS and MS degrees in Engineering from Columbia University and MBA from Harvard Business School.
- President Bill Clinton's appointee to National Information Infrastructure (NII) Advisory Council.

Phil George – Non-Executive Board Member

- Specialist in Information Security and Risk Management, currently operates a global cloud telecom, specializing in high quality, secure voice solutions.
- Launched Uber Perth in Australia in 2014 as Operations Manager.

Gavin Rezos – Non-Executive Board Member

- Extensive international investment banking experience holding CEO positions in companies in Australia, the UK, US & Singapore.
- Non Executive Director of Iluka Resources Limited , Metalys Plc and Chairman of Alexium International.

1 Validated technology

- Successful demonstration of Mesmer solution at Black Dart, the US Department of Defence (DoD) premier counter-drone evaluation exercise.
- Customer trials commenced

2 Clear and growing market opportunity

- Total drone market forecast to be US \$100 billion by 2020
- Drone defense market forecast to grow to US \$1.14 billion by 2022 (CAGR of 23.89%)
- Military, homeland security and commercial applications

3 Fully funded to cash flow

- \$6.5m raised in an oversubscribed private placement in July 2016
- Funded through to the commercial launch of Mesmer in January 2016
- Company debt free

4 Quality IP portfolio

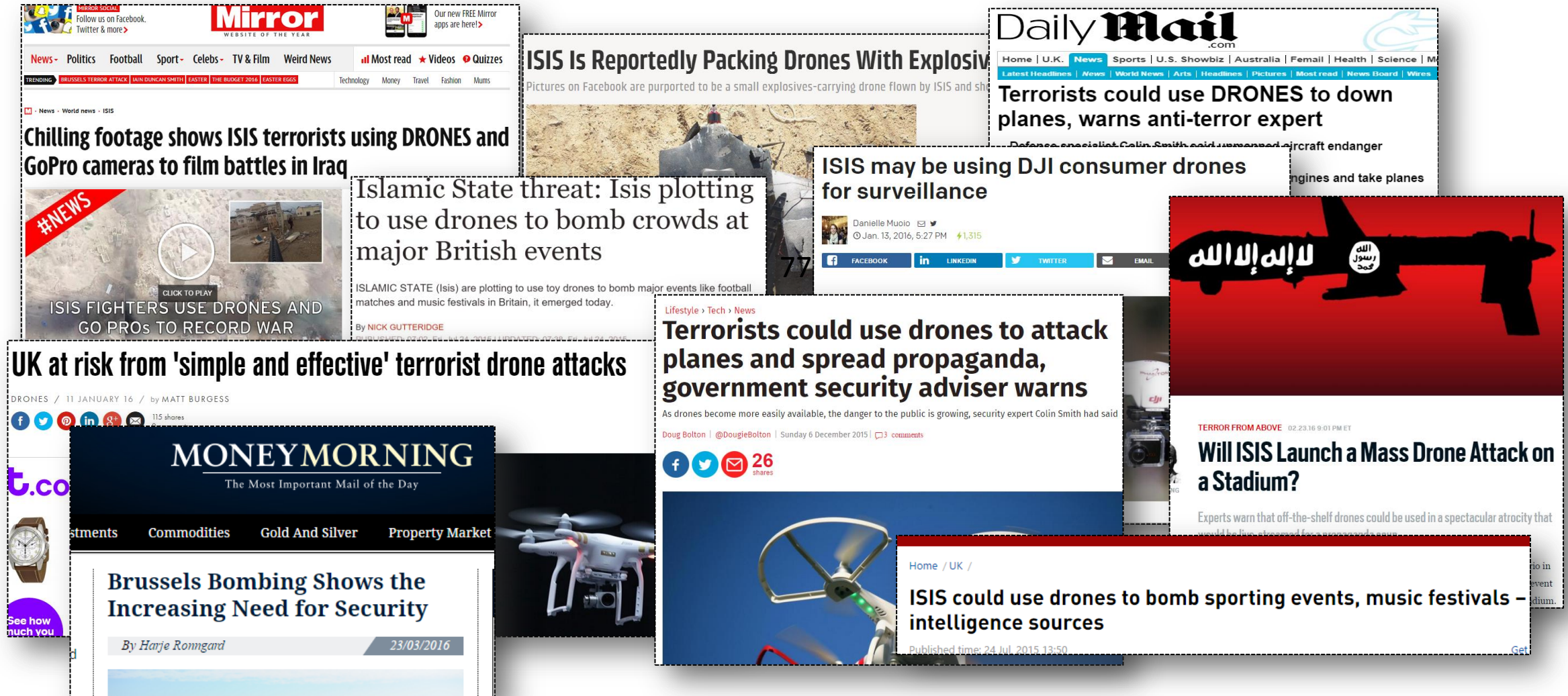
- 13 patents granted
- 22 patent applications in the development of wireless protocol manipulation and communication networking software
- Represents substantial IP licensing opportunities and competitive advantage for D13

Goldman Sachs Global Investment Research, Equity Research March 13, 2016

<http://blog.executivebiz.com/2016/03/reportlinker-global-anti-drone-market-to-reach-1-14b-by-2022/>

Terrorist Drone Threat an Unfortunate Reality

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Drone Threat is Evolving: Criminal-Nuisance

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Drones represent serious threats to critical infrastructure and individuals. They can be vehicles for delivering high hazard payloads, present hazard by their very presence or platforms for illegal video.

Illegal drone use a growing issue at sports venues

By ASSOCIATED PRESS

PUBLISHED: 19:34, 20 October 2014 | UPDATED: 19:35, 20 October 2014



AMAZON UNVEILS FUTURISTIC PLAN: DELIVERY BY DRONE

Amazon's secret R&D project aimed at delivering packages to your doorstep by "octocopter" mini-drones with a mere 30-minute delivery time

Small COTS drone with radioactive waste landed on Japanese PM's Residence

Illegal drone business thrives in US

TECHNEWS DAILY

By Tom Spring - Published June 21, 2013

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Domino's Is One Step Closer to Delivering Pizzas by Drone



Drone over Heathrow was 'wingspan away' from collision with jet

Drones above Bangor has Navy base buzzing

By Ed Friedman of the Kitsap Sun
Feb. 24, 2016

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Drone Market Key Statistics

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\$20.6Bn

Global Market for
Commercial Drone Sales

\$14.5Bn

Global Market for
Consumer Drone Sales

\$70.1Bn

Global Market for Military
Drone Sales

\$1.14Bn

Drone Defense Market
by 2022



\$2.7Bn

Global Market for
Civil Drone Sales

\$2.8Bn

NASA UAV airspace
management system
budget

\$100Bn

Estimated Five Year Global
Drone Market Total
Spending

23.89%

Drone Defense CAGR
2017 - 2022

Goldman Sachs Global Investment Research, Equity Research March 13, 2016
<http://blog.executivebiz.com/2016/03/reportlinker-global-anti-drone-market-to-reach-1-14b-by-2022/>

- Mesmer enables users to secure their air space from drone threats using its patented protocol manipulation technology
- Mesmer is a unique, non-kinetic drone mitigation solution – a more effective and safer system to protect personnel and infrastructure
- Immediate Strategy: to roll out our innovative Drone Defense technology, Mesmer, to the market
- Long Term Strategy: to develop transformative technology for Defence, Government, and Commercial markets
- D13 controls significant IP in wireless and networking relevant to Commercial and Defense sectors
- Technology to address new challenges within the following areas:

Electronic Warfare
Wireless Systems
Mobile Devices

Strategic Partners Validate the Technology

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PARSONS

D13 partners with US juggernaut to enhance drone security

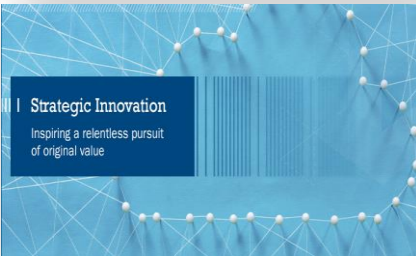


NRL-ITD \$245 million IDIQ Awarded
US engineering and construction company employing 14,000 people in over 100 locations worldwide

Booz | Allen | Hamilton

Department 13 eyes alliance with Booz Allen Hamilton for U.S. defence opportunities

Department 13 International Ltd (ASX:D13), a technology company focused on wireless and mobile technologies has established a strategic relationship with Booz Allen Hamilton (NYSE:BAH).
Mar 29th 2016



Prime defense contractor and systems integrator with US Navy and Marines

EPE
Trusted to Protect

Department 13 appoints EPE as distributor

January 20, 2016 10:33am



Supplier of Counter-Terrorism equipment to Australian and NZ Defense Forces and Law Enforcement

IMSL: The Intelligence People.

Every organization has a requirement for intelligence in some form, even if you don't always realize it.

IMSL Appointed as Regional Distributor in UK and Europe for Department 13 Counter-Drone Solution

Posted on: 8 February 2016



Drone Threat Intelligence experts advising Defense, Government Agencies and commercial businesses in Europe and around the world



Phoenix Group

Department 13 Expands Global Reach Appoints Phoenix Group as Latin American Distributor



Licensed security company that provides world class security to today's transportation companies

Current Market for Sales

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SUPPLEMENT NO. 3 TO PART 740 - LICENSE EXCEPTION ENC FAVORABLE TREATMENT COUNTRIES

Australia
Austria
Belgium
Bulgaria
Canada
Croatia
Cyprus
Czech Republic
Denmark

Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland
Italy

Japan
Latvia
Lithuania
Luxembourg
Malta
Netherlands
New Zealand
Norway
Poland

Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom

COUNTRIES BEING EVALUATED FOR EXPORT LICENSE WITH US DEPT. OF COMMERCE

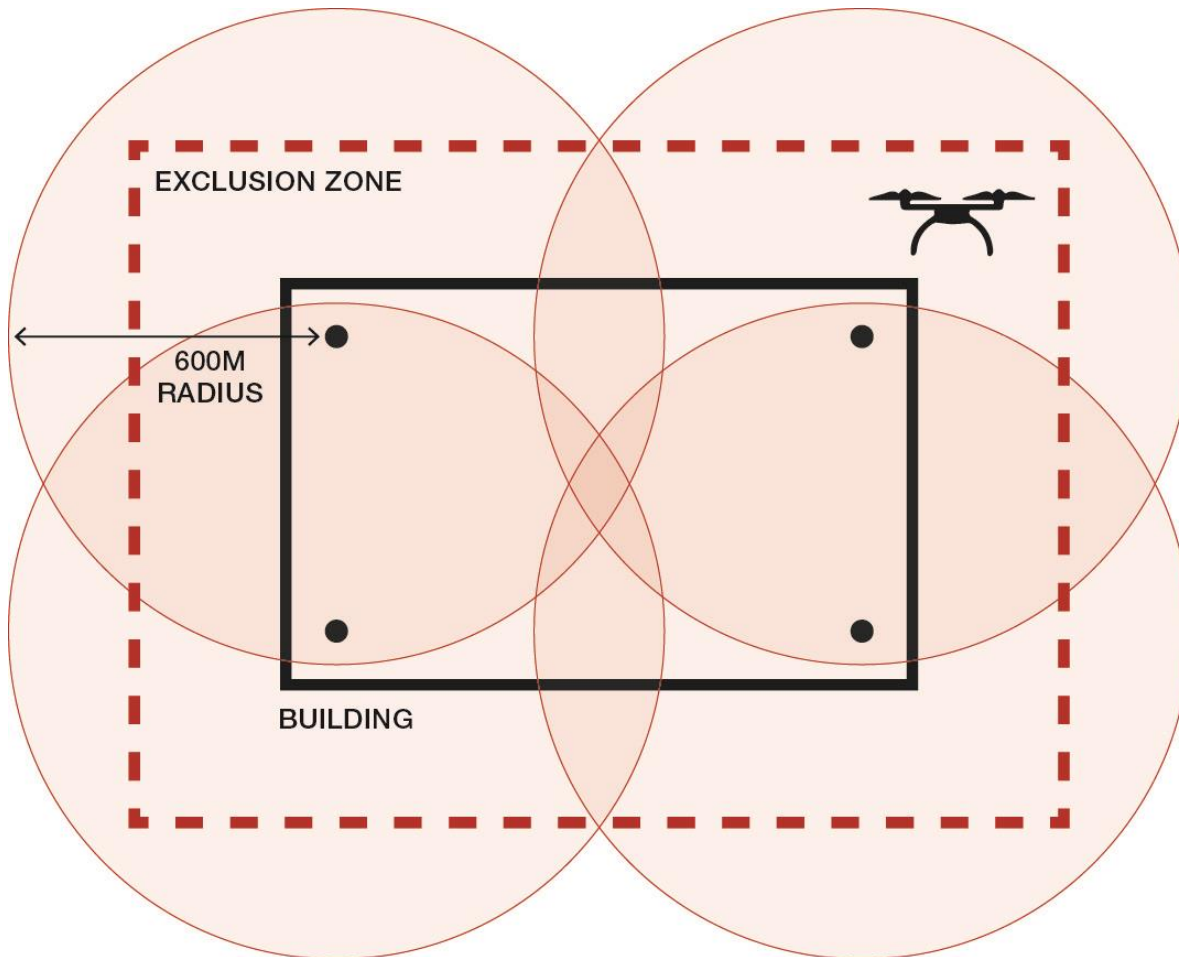
Israel
Singapore
Taiwan

South Korea
Panama
Brazil

Mexico
Honduras
Oman

UAE

Mesmer revenue model – a case study



The diagram depicts a case example of an installation contract for a four node Mesmer system to protect critical infrastructure, in this case a CBD building.

US\$1m to US\$2m total base contract, comprising:

- System installation fee
- Hardware
- Licensing fee
- Software upgrades

An ongoing maintenance fee applies for additional mitigation capabilities which will provide a recurring revenue stream.

MITRE Challenge

August 2016 - D13 was one of 8 finalists from 42 applicants worldwide to be selected for the MITRE Challenge. More impressively, D13 was one of only 2 finalists to present a mitigation system rather than a detection only option.

Black Dart

September 2016 - D13 was invited by US Dept. of Defense to showcase the Mesmer system to representatives from nearly every department in the US Government. During live demonstrations to date, D13's Mesmer V1 exceeded its own objectives established for the Black Dart challenge.

Commercial Licenses

Q4 2016 - D13 is scheduled to test and evaluate the Mesmer system under a development license structure with at least two US Government customers, US commercial customers and other clients outside the US.

Demonstration Event

November 2016 - D13 will host a live demonstration event for the Australian investor and media audience.

Product Release

January 2017 - Mesmer Version 1 full commercial product launch

Black Dart

The Black Dart event is the U.S. Department of Defense premier counter drone evaluation exercise held at Eglin Air Force Base. The event is a government run, invite only event that allows companies to test counter drone technologies in front of potential US military and international government customers.

The exercise tested technologies for detecting, identifying, tracking and defeating or disabling Unmanned Aerial Systems (UAS) from Sept. 11 to 23 with over 1,200 participants.

Those target drones ranged in size from Group 1, defined as those that weigh less than 20 lbs. and fly lower than 1,200 feet and slower than 100 knots, up to military grade drones.

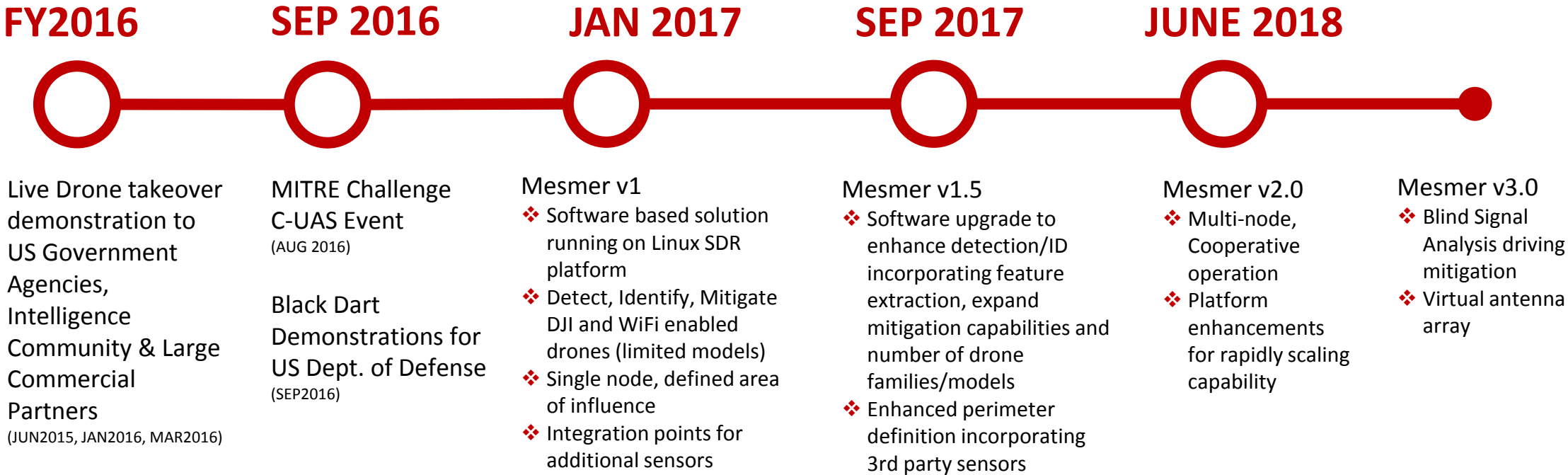


Mesmer surpassed expectations for Black Dart with the engineering team conducting brand new “detection” schemes during the event and successfully mitigating the selected target drone approximately 1 kilometer away in the conditions presented during the event.



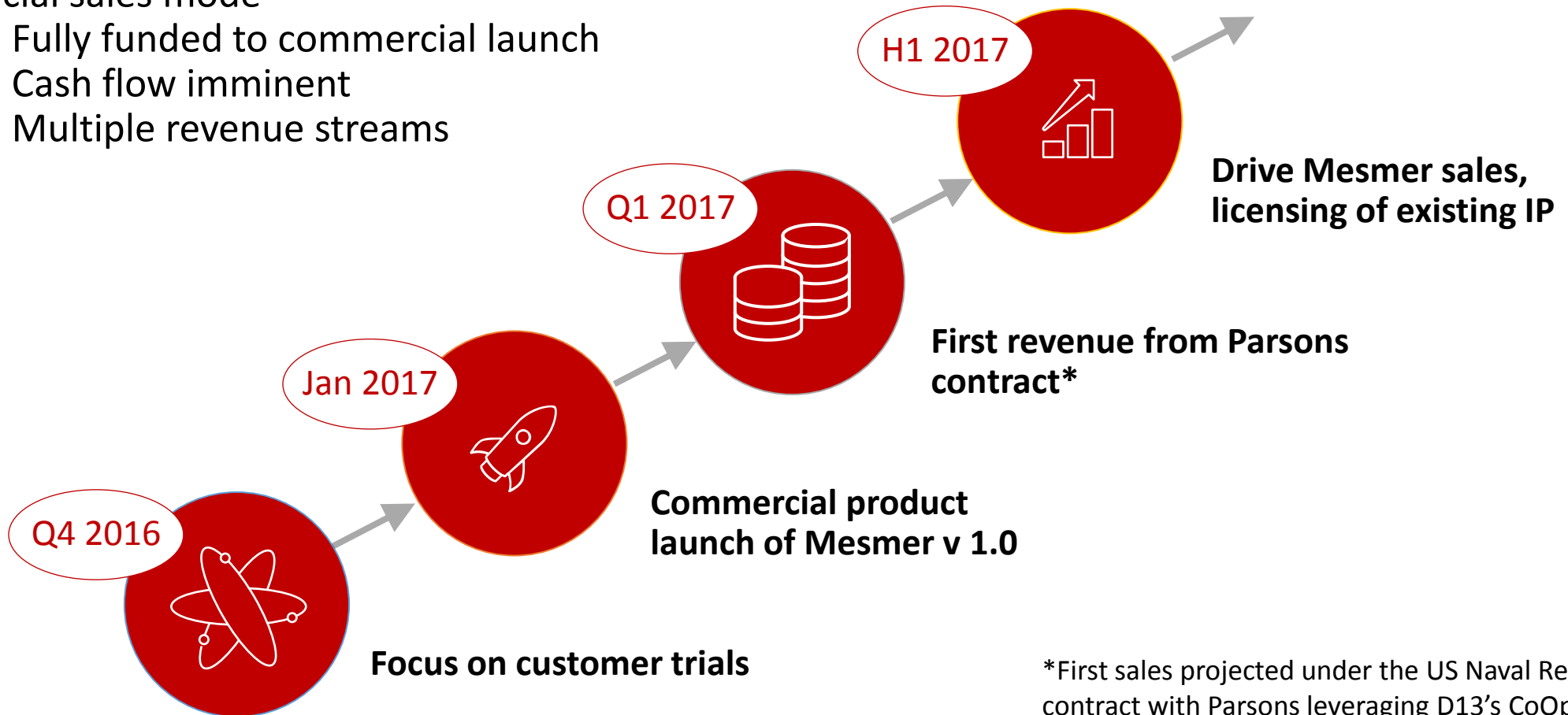
Mesmer™ Product Maturity Timeline

Successful completion of \$6.5m institutional raising to accelerate development and commercial delivery of company's flagship product, Mesmer, by January 2017



Department 13 is transitioning from development to commercial sales mode

- Fully funded to commercial launch
- Cash flow imminent
- Multiple revenue streams



*First sales projected under the US Naval Research labs contract with Parsons leveraging D13's CoOp MIMO, LPI/LPD and Sub space coding technologies

department 13

Q&A

ASX.D13

department 13



EPE

Company Overview

Australian Mesmer Opportunities

www.epequip.com

EPE – Capability and Project Delivery, Product Development

- Wholly owned Australian company with 25 years of dedicated experience.
- Core staff are multi-disciplinary with Domain Knowledge Experience in FPECM and broader 'Train the Force, 'Attack the Network' and 'Defeat the Device'.
- Deliver capabilities in:
 - current UASUV and EOD Carry Forward (ADF, DFAT, NZDF, Australian State / Territory Law Enforcement).
 - CIED Systems - Largest provider of CIED Robotic systems to Defence.
 - Force Protection and Search, including the EOD and Search Protection systems for all Defence and Law Enforcement Agencies.
 - Intelligence and Surveillance Systems.
 - CBRND Systems - Largest provider into Land 3025.
- Operational and Deployed Support: Successfully delivered 14 x Rapid Acquisitions since 2006
- Product Development - Invest in Innovation and R&D with **23% Net Profit reinvested into R&D**
 - Scimitar Tactical, CBRN Product Development, Counter UAS



Product Lines – Capability Delivery



EOD and Search



Unmanned Land Systems



Unmanned Aerial Systems



Counter UAS - Mesmer



ECM & Exploitation



Armoured Vehicles



All Hazards Management



ISR



Crew Survivability



Tactical Systems



Maintenance Support



Training



Unmanned Land Systems



COBHAM



Integrating proven GPR across multiple UGV and UAS Platforms

Key features

- Standoff detection of mines, low metal content and non metallic threats
- UGV / UAS mounted
- Evolution of VMR/VMR3G Minehound GPR
- Modular, scalable architecture 0.5m-4m
- COTS technology – plug and play
- Lightweight, man-portable and deployable by a single operator
- Advanced algorithms produce low False Alarm Rate (FAR)
- Robust COFDM data-link
- Small size, low weight and power
- Secure, interoperable radio and video link to operator
- Readily integrated on robots / vehicles
- 5kph rate of advance
- Simple to operate / low training burden

Manual to Remote Detection



UAS integration



Rapidly integrated on UGV



Amulet on TALON



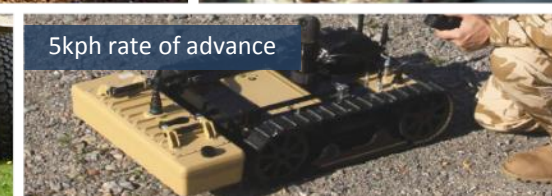
Simple to operate



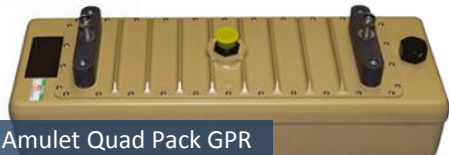
Multi-Quad Pack Array



5kph rate of advance



Amulet Quad Pack GPR



All Hazards - Detection



All Hazards Detection



Chem/TIC/TIM



Explosive



Narcotic



Biological



Radiation



Metal



Non Metal



Product Range

PRODUCT RANGE	CHEM/TIC/TIM	EXPLOSIVE	NARCOTIC	BIOLOGICAL	RADIATION	METAL	NON METAL
EXPLOSIVE IMASS // P 4							
ELITE // P 4							
IDEX // P 4							
IDEX ULTRA // P 4							
TRACE PRO // P 4							
HANDYRAM // P 5							
LCD 3.3 // P 6							
NEXUS // P 7							
CID 3 // P 7							
SABRE 5000 // P 7							
MMTD // P 7							
HAZMAT ID ELITE // P 8							
HAZMAT ID 360 // P 9							
GUARDION // P 9							
DABIT // P 9							
BIOTHREAT IMASS // P 10							
BOBCAT // P 10							
FILM ARRAY // P 10							
RAZOR-EX // P 11							
CPDS // P 12							
PRIED // P 13							
SECOND SIGHT // P 12							
DIGITAL VANGUARD // P 14							
DR-10 // P 14							
DR-20 // P 15							
INSTANTEYE GEN4 // P 16							
TALON CBRNE // P 17							
EPD MARK 2+ // P 18							
RADEYE SPRD // P 18							
RADEYE PRD - CDA // P 18							
RADEYE B20 // P 19							
RIIDEYE // P 19							
MOBILE ARIS // P 20							
RADHALO // P 20							
SYCLONE // P 20							
GUARDIAN PREDATOR // P 20							
RACKEYE // P 21							
MD4 // P 22							
MD 3000 // P 22							
VMR 3 // P 22							
GROUNDSHARK // P 22							
XPOSE // P 22							
SB10 // P 22							
AMULET // P 23							

Raman Standoff Detection of Explosives and Chemical Weapon Agents



Raman spectroscopy has been shown to be effective for standoff detection and has the ability to both detect and identify explosive materials. The concept of operations for both CPEDS and PRIED is for the operator to identify potential targets and then to scan that localized area.

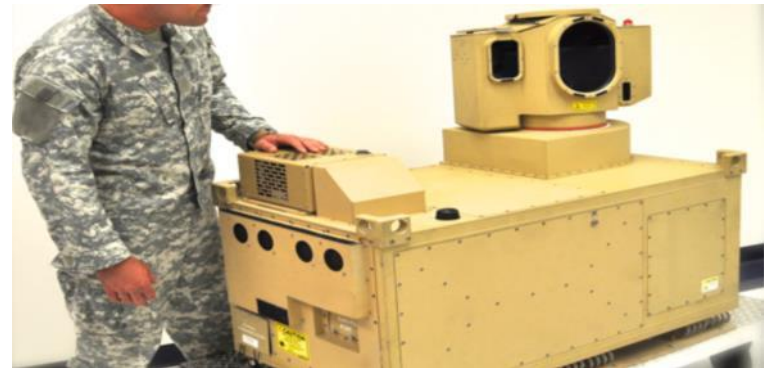
PRIED | man portable stand off Raman detector.



Key features

- Sensor Standoff: 1-10 m
- Analysis Size: .5cm diameter
- Analysis time: 1-30s
- Modes: Eye Safe and Max detect
- Size and Weight:
- Backpack: 43 cm x 30 cm x 18 cm, 14 kg
- Wand: 36 cm x 15 cm x 10 x cm, 3.2 kg

CPEDS | vehicular and check point long range detection of explosive threats.

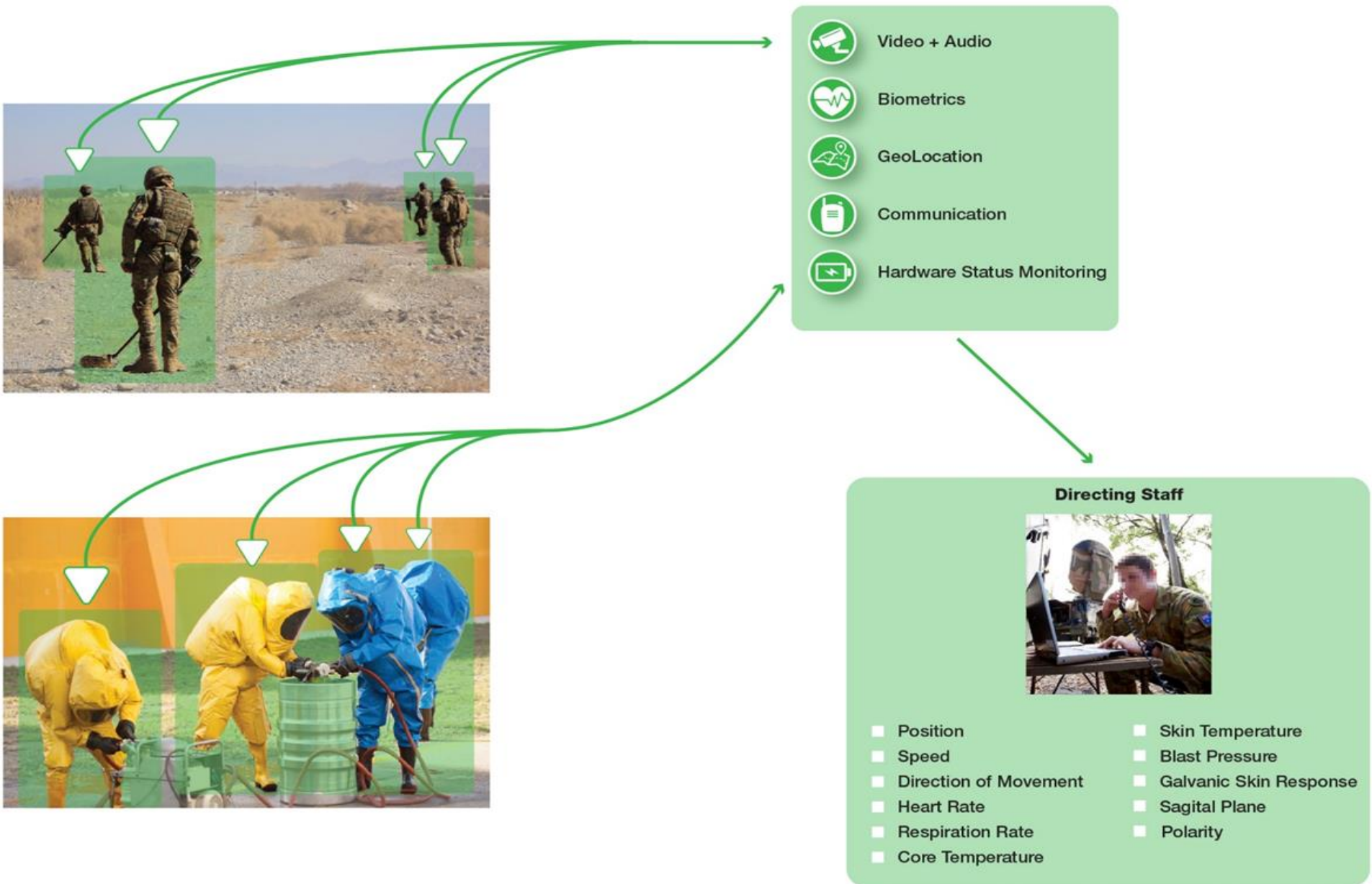


Key features

- Sensor Standoff: >100 m
- Analysis Size: 15 cm diameter
- Analysis time: 10-30s
- Modes: Eye Safe & Max detect
- Size and Weight:
- 122 cm X 122 cm X 61 cm, 295 kg
- Power: 1.8KW

Stand-off Detection | Eye Safe Technology | Hand-held User Interface

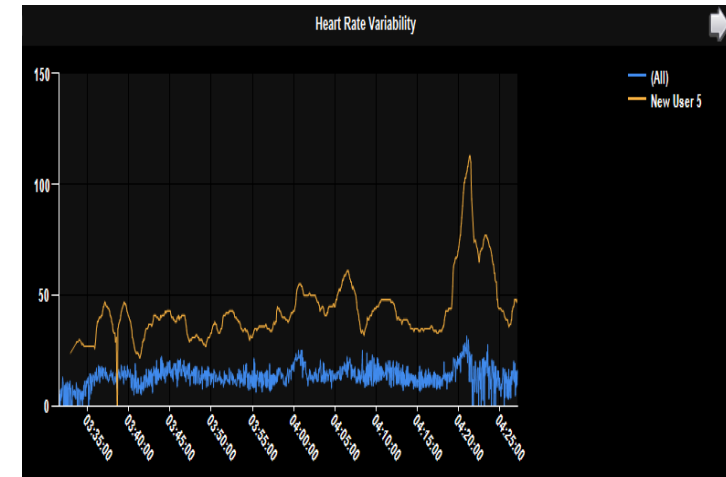
ISR - Scimitar Tactical: Mission & Training Analysis System



Army Innovation - Human Factor Performance Trial

Data capture/mapping of;

- Overwatch video
- Bodyworn video
- Physiological status monitor – individual
- All participants, including ICP, were mapped geospatially
- Audio – although switched off during this week
- Radio telemetry



Electronic Counter Measures (ECM)

EPE
Trusted to Protect



WAVEFORM ANALYSIS

WAVEFORMS LABORATORY AND FIELD TESTED



WAVEFORM ANALYSIS

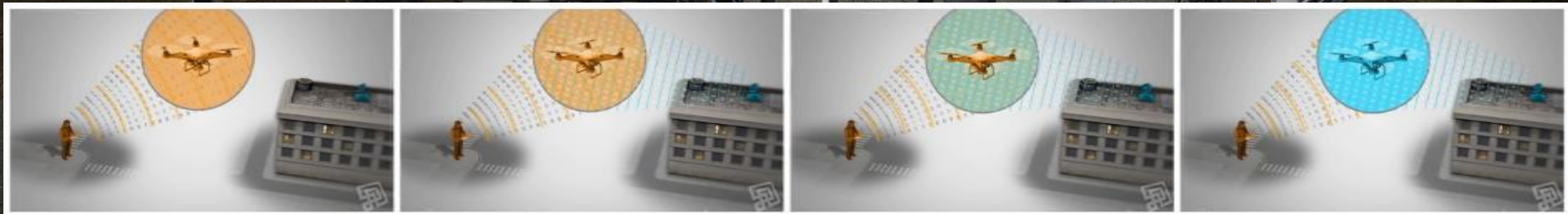
WAVEFORMS LABORATORY AND FIELD TESTED



www.epequip.com



Mesmer Australasian Market



www.epequip.com

EPE Roadshow focused on core Markets (Military, Law Enforcement, First Responders and Border Force) – 160 Attendees

- Briefed Mesmer for the First time
- Counter Drone was the capability that generated the most interest
 - Military - Base Protection
 - Law Enforcement – Counter Surv
 - Fire Bde – Aircraft Protection

We hosted our loyal customer base along with new customer groups in each city including representatives from:

1. Victoria Police
 - CBR/DVI
 - Bomb Squad
 - Dignitary Protection
 - Dog Squad
 - Forensics
 - Technical Unit
2. Australian Defence Force
 - Colonel who is Director of Military Operations
 - Land 3025, Capability Acquisition and Sustainment Group (CASG)
 - Soldier Modernisation Systems Program Office (SMSPO)
 - Land Self Protection Systems Program Office (LSPSPO)
 - Diggerworks
 - Joint Counter Improvised Threat Task Force (JCITTF)
 - Army Headquarters (AHQ)
 - 2 Commando (2CDO)
 - Special Operations Engineer Regiment (SOER)
 - Special Operations Command (SOCOM)
 - School of Military Engineering (SME)
 - Tobruk Lines
 - Force Engineer Branch (FEB)
 - Defence EO Services
 - Australian Clearance Diving Team One
 - Defence Explosive Ordnance Training School (DEOTS)
 - Defence Science and Technology Group (DSTG)
3. New Zealand Defence Force (NZDF)
4. Victoria Ambulance Special Operations
5. Melbourne Metropolitan Fire Brigade – HAZMAT
6. Queensland Police
7. Victoria Country Fire Authority
8. Department of Foreign Affairs and Trade (DFAT)
9. Australian Federal Police – Tactical, Forensics, Dignitary Protection, Air Support Team, Bomb Appraisal Officers
10. Australian Border Force
11. US Embassy
12. Canadian High Commission
13. Attorney-General's Department (AGD)
14. Police Integrity Commission
15. Crime Commission
16. NSW Police – Bomb Squad, Technical Surveillance, Tactical
17. NSW Fire Brigade – including Assistant Commissioner
18. NSW Health Emergency
19. Australian Defence Magazine - media

EPE comes to you on the EPE Roadshow. Meet us in your capital city.

- ▶ **Melbourne, 18th April**
Melbourne Showgrounds, Epsom Road, Ascot Vale, VIC
- ▶ **Canberra, 21st April**
EPIC (Exhibition Park in Canberra) Cnr of Flemington Road and Northbourne Avenue, Mitchell, ACT
- ▶ **Sydney, 28th April**
Sydney International Shooting Centre, Elizabeth Drive, Cecil Park NSW

Timings for all venues 11 am - 2:45pm with a casual working lunch served at midday



Land Forces is Largest Biannual Military show in Australasia (Delegation from 16 countries and 3,500 attendees)

- Mesmer Selected for daily Pitch Fest
- Briefed
 - Chief of Army and Land Modernisation
 - Commander Counter Improvised Threat Task Force (CITTF)
 - Senior Defence Capability Managers
- Counter Drone was the capability that continued to generate the most interest



EPE will be exhibiting at Land Forces in Adelaide 6th to 8th September 2016, and we invite you to visit us at Stand 2Q29 (in Hall 2 between the Defence Stand and the entry to Hall 3).

Subject Matter Experts from our key international partners will be available to discuss specific capabilities including:

- ✓ Counter Drone Solution
- ✓ Unmanned Aerial Systems
- ✓ Unmanned Ground Systems
- ✓ Stand Off Explosive Detection
- ✓ Force Protection ECM
- ✓ Chemical, Biological, Rad and Narcotic Detection.
- ✓ CBRN Protection and Decontamination
- ✓ Blast Protection
- ✓ EOD and Search
- ✓ Tactical Systems
- ✓ Inert Training Aids

Capabilities will be on display from international leaders:



Down selected for Daily Pitch fest (slide below)

Cognitive Counter UAS To Acquire Positive Control

MESMER™ is built to control the outcome of drone incursions

DETECT → IDENTIFY → MITIGATE

Directed or Automatic Mitigation

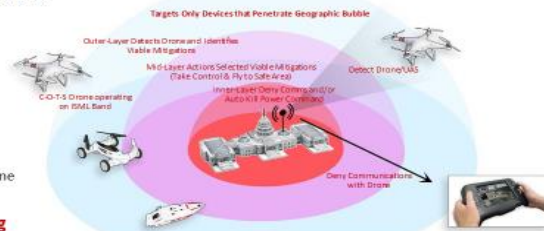
• Capture Actions

- Kill Power Command
- Hover Command
- Safe Landing Command
- Flight Path Record

• Seize Control Actions

- User Controlled Flight
- Auto Flight Path to Secure landing zone
- Surreptitious Tap of Sensors

• Adaptive Mitigation Profiling



Department 13, International Limited, Proprietary, MESMER™

Army Innovation Day (AID16) – Oct 16

department 13

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Mesmer down selected for Army Innovation Day 2016. 240 Defence Personnel Attendees

- AID provides funding for full year trial with Army Units
- Allows for accelerated Introduction into Service
- Mesmer *'enables Manoeuvre and increases Force Protection'*
- Main Areas Defence Interest
 - Base Protection
 - Airfield Protection
 - Mobile Force Protection (Soldiers and Vehicles)
 - Tactical Counter Surveillance
 - Major Event Security (Comm Games)
 - Ship Protection
- Results of AID 16 released in Dec 16, with contracts in Q2 17

INNOVATION ON SHOW

'Manned and unmanned learning for the soldier' was the theme of this year's Army Innovation Day. *Cpl Max Blair reports.*



MESMER™ - Counter Drone Solution Army Innovation Pitch - Oct 16

- MESMER™ Detects, Identifies, and Mitigates Drone threats. 'Rules based' or 'Operator' directed mitigation.
 - Capture Actions (Kill Power, Hover Command, Safe Landing Command, Flight Path Recorded)
 - Seize Control Options (User Flight Control, Auto Path to secure LZ, Surreptitious control of Sensors)
- MESMER™ can land drones safely and does not require an operator to visually spot a drone.
- MESMER™ is currently the only COTS Drone solution that is low energy and surgical. It does not affect other communications.
- MESMER™ enables 'Manoeuvre' and 'Increases Force Protection'. It can protect:
 - Points (Soldiers / Vehicles / VCPs / Ships)
 - Perimeters (Incident Zone / Harbour / LZ)
 - Areas (FOB / Airfield / Critical Infrastructure [Comm Games / ANZAC Day Marches] against one or multiple threats simultaneously [swarm]).

Detect → **Identify** → **Mitigate**

Mesmer Product Launch – Nov 16

Sydney / Brisbane / Canberra

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Australian Product Launch today

- Conducting 6 demonstrations
- Major Federal and State Counter Drone Stakeholders have been invited to attend
- Confirmed Representatives from
 - Department of Defence
 - Dept of Foreign Affairs & Trade
 - UK / US / Canadian / New Zealand Defence Force Reps
 - Australian Border Force
 - Australian Federal Police
 - Dept of Corrections (ACT / NSW / Qld)
 - Police (ACT / NSW / Qld)
 - Bomb Response
 - Dignitary Protection
 - Tactical Units
 - Forensic Services
 - Riot Control
 - Fire Brigade (ACT / NSW / Qld)
 - Aviation Security
 - Gold Coast Commonwealth Games Corporation (GOLDOC)
 - Australian Criminal Intelligence Commission



MESMER™ Counter Drone Demonstration

The emergence of small, lightweight, low cost Unmanned Aerial Systems (UAS) offers many applications and benefits. However, UAS technologies are able to be employed to remotely deploy threats. The demonstrated use of UAS by conventional, non state and irregular forces has added another dimension of threat. Government Agencies and those organisations that provide security to critical Infrastructure need a capability to neutralise this potential threat and inhibit the situational awareness of enemies and antagonists.

EPE offers the Mesmer™ Counter Drone capability from Department 13 as an innovative solution to detect and disrupt radio controlled devices. We are pleased to be able to demonstrate this capability to interested stakeholders over the period 2nd Nov-15th Nov as follows:

■ **Sydney, 0930-1130 Wed 2nd Nov, Sydney Masonic Centre (SMC), 66 Goulbourn Street, Sydney.**

C-UAS Stakeholder Brief and Demonstration prior to the D13 AGM at SMC conference centre (www.smcfc.com.au). Full Mesmer™ Demonstration including multiple UAS detect and mitigate.

■ **Gold Coast, 1030-1200 Tues 8th Nov, Metricon Stadium, Carrara, Gold Coast.**

C-UAS Stakeholder Brief and Demonstration. Full Mesmer™ Demonstration including multiple UAS detect and mitigate.

■ **Canberra, 1200-1300 Thur 10th Nov, Australian Defence Force Academy ADFA.**

■ **Canberra, 1115-1215 Frid 11th Nov, Australian Defence Force Academy ADFA.**

The Mesmer™ Brief and Demonstration is part of the Counter Non-Traditional Threats Conference and Exhibition (www.unsw.adfa.edu.au/Counter-NTT-Registration) at UNSW Canberra, Australian Defence Force Academy. This demonstration is open to conference delegates and participants who are not registered to attend the conference. Full Mesmer™ Demonstration including multiple UAS detect and mitigate.

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indicating which event you wish to attend, NLT than 2 business days prior to each event.

Current Opportunities

- Defence - Army Innovation Day
- Defence - Support to Operations
- Defence - RPDE Quick look (evaluation)
- DFAT - Embassy Security

Opportunities - 2017

- Dependent on the Product Launch
- Q1 - Q2
 - Defence (AID16 and Operations) and DFAT Trials
 - Defence Innovation Funding (Hub)
 - Defence (RAAF) Base Security Trial
 - Major Event Venue Protection (Comm Games, Grand Finals)
 - Law Enforcement early Adoptors
- Q3 - Q4
 - Defence Innovation and Trial - Deliveries
 - New Defence Trials (Sensitive Sites / Soldier Systems / Ship / Air Base Force Protection)
 - NZDF Trial
 - Correction Trials
 - Border Force Trials
 - Venue Protection trials



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Questions

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