



## NATIONAL NEWSLETTER No 1 of 2015

### Quote of the month

"We are what we repeatedly do. Excellence, then, is not an act, but a habit."

- **Aristotle**

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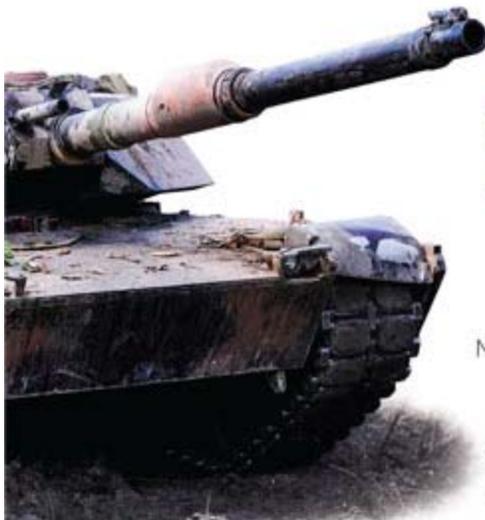
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AFSL No. and Australian credit licence number 237 988.



## ▶ AIDN NATIONAL NEWS

### AIDN NATIONAL MEETING

The next AIDN National Meeting will be held in Canberra on Monday 9 February 2015.

### AIDN YOUNG ACHIEVER AWARD (YAA)

YAA award will be announced at the ADM Congress reception on Tuesday 9 February at 1730 at the Hyatt Canberra. We have five outstanding finalists:

- Stephen Bornstein, BAE Systems, AIDN-Vic
- Courtney Cole, QinetiQ, AIDN-ACT
- Fiona Yue Kan, TAE Gas Turbines, AIDN-Qld
- Tamara Perry, Thales Australia AIDN-NSW
- Chanelle Pogas, General Dynamics Land Systems, AIDN-SA (DTC)

So if you are in Canberra on this day please come along and witness the announcement of the AIDN YAA for 2015.



## ▶ AIDN-Canberra

## AIDN-Canberra MEMBERS' NEWS



*Courtney Cole, AIDN-ACT Young Achiever 2014*

**QINETIQ AUSTRALIA PRINCIPAL CONSULTANT WINS PRESTIGIOUS YOUNG ACHIEVER OF THE YEAR AWARD**

Courtney Cole, a Principal Consultant for QinetiQ Australia, has won a Young Achiever Award from the Australian Industry and Defence Network–Australian Capital Territory (AIDN-ACT).

Open to all members of the defence industry under the age of 30, Courtney was chosen for her thought leadership on defence reform and her career and academic achievements, particularly her outstanding contribution as a QinetiQ consultant to the Landing Helicopter Dock Systems Program Office (LHDSPO).

During her time at LHDSPO, Courtney was awarded a Commendation for Service for her exemplary commitment and outstanding commercial and procurement skills from the Director General Maritime Acquisition Branch of the Defence Material Organisation, which purchases equipment required by defence and approved by the Commonwealth Government of Australia.

Based in Canberra, Courtney is currently consulting to the Domestic Munitions Manufacturing Arrangements Project and the Capability Development Group on LAND 17 Phase 1C.2 that will equip the Australian Army with future artillery ammunition. She is also studying a Masters of Business.

Courtney said: "I'm incredibly honoured to receive this Young Achiever Award. I'm committed to act in defence's best interests in the execution of my role at all times. This commitment has consistently ensured that I gain the trust and respect of QinetiQ's clients; elevating the perception of defence industry in their eyes, from service provider to trusted adviser."

Rob Forbes, Chairman of AIDN-ACT, said: "AIDN-ACT congratulates Courtney on winning the Young Achiever Award. She typifies the abilities that younger people are capable of bringing to the defence industry. These include a professionalism, academic background and commitment to serving the Australian Defence Force."

Greg Barsby, Managing Director of QinetiQ Australia, said: "Investing in people is why QinetiQ continues to attract and retain the very best talent in Defence industry. Courtney's win is evidence of this; as we invest heavily in coaching, training and developing our future leaders. She is one of seven participants in our Accelerated Development Program that provides clear paths for career progression in our company. This program has been hugely successful with previous participants gaining promotions to more senior roles in QinetiQ in less than a year. We are incredibly proud of what Courtney has achieved through this program and in her career to date and that her successes have been recognised by industry with this Young Achiever Award."

As the Young Achiever Award recipient, Courtney received a trophy, certificate and a ticket to the next Defence + Industry Conference.

As the peak industry association for companies wishing to do business in the defence and security sectors, AIDN-ACT established the Young Achiever Award to recognise potential industry leaders, believing that driven and talented young people are the key to the future of the defence industry.

## AIDN-New South Wales

### MESSAGE FROM THE PRESIDENT

Hello from the NSW chapter,

Happy new year to all. We start 2015 with a degree of concern about further delays in Defence projects. We are hoping that this would be a brief pause due to the Government changes of December 2014. AIDN-NSW will continue to engage with its members and all stake holders, and look forward to a fruitful year.

Regards,

Medhat Wassef

NSW President

### 2014 NSW YAA

Our winner from last year, Tamara Perry from Thales, will attend the ADM Conference next month to compete in the National YAA. All from NSW wish her the best of luck.

### FEBRUARY BREAKFAST - 12th FEBRUARY WILLIAMTOWN UPGRADE

Our next Breakfast, and the first in the series for 2015, will be held at the MLC Centre. A number of Defence and contractor speakers will cover the opportunities available from the Williamtown Base Upgrade project

### AIDN NSW LINKEDIN GROUP

Join the group and see the latest topics at:

[Join The Group](#)

## EXECUTIVE COMMITTEE MEETINGS

Your committee has not met since the last newsletter.

# Requirements, OCD & CONOPS in Military Capability Development 5-DAY COURSE

April 20 - 24, 2015  
Melbourne, Australia

This course is a 5-day immersion in the development of military capability, with a focus on problem definition, Requirements, Operational Concept Description (OCD - how the capability, and each element of its solution, will be used), and concept of operations (CONOPS - how the military outcome is to be achieved).

The course content is easily transferable in application to any substantial business system, public infrastructure system, or other large undertaking involving people and technology as a part of the solution.

Program for 2016:  
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*"The best thing about the course was the breadth and depth of scope, and the clear mastery of the subject the presenter displayed"*



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## ▶ AIDN-NSW NEW MEMBERS

### TR VMS

TR VMS has a long standing tradition of providing high level test equipment calibration services, with NATA accreditation received and maintained since 1954 (initially under Phillips Calibration Services). In 2006 TR Pty Ltd (Tech Rentals Group) purchased the consolidation of multiple calibration labs including VMS International, Mobile Calibration Services, and Solectron (formally Bluegum and Phillips Calibration Services) under the TR VMS banner. With this diverse range of calibration experience, TR VMS is one of the leading calibration laboratories within Australia.

Throughout our history, TR VMS has been awarded many defence contracts, including in 1983, the manufacture, assembly, and testing of the Hughes Aircraft designed APG65 Airborne Radar Systems for the F/A-18 Hornet. In 2010, TR VMS teamed with Raytheon Australia to provide Calibration Service to the Australian Department of Defence, and continues to perform on its KPI, currently having greater than 99% of items returned within 6 days turnaround time.

Along with our broad NATA accreditation to ISO17025 in measurements of Pressure and Vacuum, Temperature and Humidity, Electrical, Electronic, Communications, Torque, Dimensional, Force and more including Electrical Standards, TR VMS is also ISO 9001 compliant. This has led to strong business relationships with industry leaders such as GE Measurement and Control,

Megger Electrical, Barfield Aviation GSE, GEC Balance and Balance, Stahlwille, Fluke, Agilent, Anritsu, Rhode and Schwarz, amongst others. These foundations have enabled TR VMS to continue expanding its capabilities, and provide reliable services throughout Australia to Defence and Aerospace customers such as DoD, DSTO, Boeing Defence, Airbus, Qantas, Sikorsky, Rosebank Engineering, TAE, BAE, Thales, Raytheon, Hawker Pacific, Vector Aerospace, Quickstep and many more.

TR VMS Prestons Laboratory is a Standards reference laboratory for Resistance, Capacitance, Voltage and Frequency. TR VMS Rocklea Laboratory operates a Calibration Laboratory and Nata accredited Mobile Laboratory. Throughout 2015 these facilities will be expanding their capabilities to support a greater range of Air Data Test sets and Pressure related products, as well as being appointed the Australian repair agent for General Electrodynamics Aircraft Weighing platforms, a service which is currently lacking in Australia.

As part of our continuous capability improvement, TR VMS is currently seeking Nata accreditation for Torque to 3000 Nm including Torque Transducers, and for high voltage to 100 kV dc and 75 kV rms

For further information please contact:

David Brady

Phone: 02 8777 0800

Email: david.brady@trvms.com.au

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## ▶ AIDN-NSW MEMBERS' NEWS



### MORE C-130J FLAP WORK FOR QUICKSTEP

Quickstep Holdings Limited, the Australian manufacturer of carbon-fibre components, has secured a new purchase order for an additional 12 C-130J flapsets plus spares from Lockheed Martin.

The order takes the total cumulative order to 67 wing flapsets and comprises part of Quickstep's overarching US\$75mm memorandum of agreement with Lockheed Martin. The outstanding orders are for deliveries through 2015 and 2016.

Nineteen complete wing flap sets have been delivered to Lockheed Martin so far in 2014 from the company's Bankstown Airport facility.

The original contract for the flaps was awarded to Hawker de Havilland which was later taken over by Boeing Australia.

Boeing sold the composite manufacturing equipment at the facility to Quickstep after it closed the Bankstown facility.

Quickstep executive Chairman, Tony Quick, said: "We are delighted to receive our third additional purchase order from Lockheed Martin since making our first delivery of C-130J wing flaps in February 2014."

"The company continues to execute on its existing contracts, demonstrating its ability to deliver on time and to specifications, and securing further contracts."

Over the life of the MoA Quickstep will supply in excess of 120 sets of carbon-fibre flaps through to 2018. Each flap set has four wing flaps each including more than 200 individual parts.

## ▶ AIDN-Queensland



*Kev Carroll Exec Officer AIDN-Qld presenting Steve Drinkwater with Appreciation Plaque*

## MANAGEMENT CHANGES

At the AIDN-Qld 2014 AGM, Steve Drinkwater stepped down from the position of President after spending over 7 years in the positions of President and Vice President. Steve was presented with a Plaque in appreciation of his long service and support of AIDN-Qld. Steve will remain on the Management Committee in the position of Immediate Past President. Peter Anderson of Integra will continue in the position of Secretary.

Aaron Thompson, of Ferra Group, was elected to the position of President and James Palmer of LambdaTron, to the position of Vice President. Adrian Stephan was elected Treasurer, replacing James Palmer.

The Management Committee for 2015 will include:

Elected Officers

Joe Gadeleta ---- Volvo ---- Land Systems

Scott Marosek ---- BDA ---- Aerospace

David Pashen ---- Airbus Group ---- Prime Rep

Terry O'Brien ---- Netbase Solutions ---- SME Rep



*AIDN-Qld Presidential handover Steve Drinkwater to Aaron Thompson*

## 2015 MEETING SCHEDULE

Eleven member meetings are scheduled for 2015 commencing 29 February at Lambdatron. With the exception of the annual dinner and the AGM, all meetings will be sponsored by member companies and held at member facilities. The Annual Formal Dinner is scheduled for 11 June 15 and will coincide with the AIDN National Executive meeting.

## ▶ AIDN-Qld NEW MEMBERS



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## ▶ AIDN-Qld MEMBERS' NEWS



## MAS RECEIVE BOEING AWARD

In December 2014 Military & Aviation Spares Pty Ltd was presented a “Supplier Excellence Award” from Boeing Defence Australia (BDA) for going “above and beyond” in support of supply chain requirements for the Air Force’s 2 SQN and the B737 Wedgetail aircraft.

Military & Aviation Spares is based in North Ipswich, QLD and provides spare parts, hardware, paints and sealants in support of most aircraft operated by the Australian Defence Force, including B737 Wedgetail, F18 Classic Hornet, F18 Super Hornet, C130J, P3 Orion, PC 9 and CH-47 Chinook.

The award was received in recognition of their rapid support to Boeing Defence Australia’s In Service Support Contract, Supply Support Team for an urgent customer task.



## SMART ALUMINIUM TECHNOLOGY FROM TAE ON JSF

A walk around a Joint Strike Fighter will reveal at least two physical characteristics that set it apart from earlier aircraft. One is the lack of protrusions – everything from IR sensors to communications antennae are embedded or internal. The other is the dearth of air vents and ducts historically used to cool avionics, electronic warfare and radar systems.

To minimise detection from radar and infrared sensors, the aircraft’s designers have deleted every possible external aperture and instead cool the aircraft’s electronics with refrigerated liquid. And to do that as efficiently as possible, they call on the specialist aluminium vacuum brazing skills of RAAF Amberley based engineering specialist TAE.

TAE builds at least half a dozen hollow-walled aluminium cooling boxes for every JSF, circulating liquid to cool electronics fixed to their outside or enclosed within. They reach the JSF through two major suppliers. The cooling has two main benefits, reducing both heat and, importantly, electronic emissions by removing the need for external apertures.

TAE’s skill is in its ability to bond aluminium with vacuum brazing instead of screws or adhesives, reducing the component count for each unit and making them more simple, lighter and leak-tight, with excellent pressure and thermal conductivity performance. Like a lot of skills, there are a lot of people around who could do some of it, but few who could do all of it.

“Aluminium is a very unforgiving metal,” TAE’s Business Development Manager Greg Twiner said to ADM. “The temperatures between brazing aluminium and turning it into molten metal are very, very close. Very precise control is required and there’s a lot of other things around that to ensure the process works.”

Much of the technology required was originally acquired for repairing the F-111’s TF30 jet engines. When DMO asked TAE if they would be interested in applying it to the F-35 in 2006, the company conducted extensive testing before putting its first enclosure into production in 2011. Since then, F-35 production has dominated the shop, but other applications have surfaced.

“This system is also more ruggedized,” Twiner said. “So a lot of these can also be used in armoured vehicles and so forth,

where you've got a dusty and dirty environment and you don't necessarily want to be sucking dirty air in to the electronics."

The process has also found favour in production of electronic wave guides, components for electronically steered radar arrays and even the Boeing B787 Dreamliner and the battery packs of today's hybrid Formula One cars. [Courtesy of ADM](#)

## ▶ DEFENCE TEAMING CENTRE (DTC)

DTC NEWS

### BADGE COMPLETES WORK ON DEFENCE LOGISTICS TRANSFORMATION PROGRAM

BADGE has successfully completed Stages 1, 3 and 4 of the Defence Logistics Transformation Program Works Package 5 at RAAF Base Edinburgh. Works included new headquarters, clothing store, loan and repair pool, ultra wide band facility and an addition to an existing warehouse to include facilities for Electronic, Instrument and Radio repair. Stage 2, construction of an Indoor Weapons Test Fire Facility, will be delivered before Christmas 2014

### AUSTRALIA'S FIRST SCIENCE CHANNEL LAUNCHED

National science communication organisation RiAus has recently launched Australia's first dedicated science channel with the help of Adelaide-based digital media solutions company, Hostworks.

RiAus TV broadcasts free, high quality science content from some of Australia's major science-based organisations as well as exclusive interviews with leading scientists such as physicist Brian Cox and Australian Chief Scientist Ian Chubb.

RiAus TV is available across digital media platforms from desktops to tablets and smartphones at [riaus.tv](http://riaus.tv)

### APC TECHNOLOGY APPOINTS KEVIN SCARCE AS BOARD MEMBER

APC Technology is proud to announce that Rear Admiral Kevin Scarce (AC, CSC, RANR) has joined the APC Technology board.

Mr Scarce was the 34th Governor of South Australia, serving from August 2007 to August 2014. Prior to his appointment as Governor, Rear Admiral Scarce was Chief Executive Officer of the South Australian Government Defence Unit charged with expanding the State's defence business opportunities. Additionally he was Chairman of the Defence Industry Advisory Board.

### APC TECHNOLOGY LANDS NEW CONTRACT TO SUPPLY GENERATORS FOR DEPLOYMENT SHELTERS

APC Technology has signed a significant contract to supply generators for an international client. The generators will be custom designed and built to meet project-defined requirements, including MIL-SPEC-810G certification. The generators will be integrated into stand-alone deployable shelters for remote monitoring operations.

Scott Begbie, APC Technology's Managing Director said "We are extremely proud to have landed our first generator contract. Over the last six months APC Technology and APC Research have worked hard to demonstrate our capability and expertise in this new market space. We became the supplier of choice because we demonstrated our ability to design & manufacture to the client's specific requirements and to meet expectations within the time line and budget".

### NEWSAT SECURES US\$9 MILLION CONTRACT FOR JABIRU-1

NewSat, Australia's satellite company has secured a contract with a South Asia satellite operator. The US\$9 million contract over a five year term will supply Jabiru-1 satellite capacity across Pakistan, Afghanistan and the Middle East. The Ka-band capacity will assist the customer in providing broadcast, telecommunications and data services and takes the total of pre-launch customer contracts for Jabiru-1 to US\$636 million.

## ▶ AIDN-Victoria

### EVENTS

VDA-Land Wednesday 4 Feb – Land 400 briefing

VDA-Land Wednesday 18 March – Prime Land opportunities.

### Australian Fluid Handling

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- MIL-STD-883\*
- MIL-STD-167-1A\*
- MIL-HDBK-2026\*

## ▶ AIDN-Vic MEMBERS' NEWS



### AUSTRALIAN UAV USED IN US AIRSPACE TRIALS

The Australian designed and built Aerosonde 4 UAVs are being used in airspace trials on the US east coast which are planned to eventually see the integration of unmanned aircraft in the country's National Air Space.

Textron Systems has received a Certificate of Authorisation to start Aerosonde Small Unmanned Aircraft operations with the Mid-Atlantic Aviation Partnership (MAAP).

MAAP is one of six approved test sites established by the Federal Aviation Administration (FAA) as part of its larger program to integrate unmanned aircraft into the US national airspace system.

MAAP, which is led by Virginia Tech, will support Aerosonde system operations near Blackstone, Virginia, with an emphasis on enabling unmanned aircraft system integration into the national airspace system.

The trials will contribute to proving the agricultural and environmental applications of unmanned systems, while developing safety, operations and training protocols between MAAP, the local airspace authority and Textron Systems, to ensure efficient unmanned operations.



### ADELAIDE TRIO DELIVERING ADVANCED 3D REALITY CAPTURE, SCANNING AND MODELLING SOLUTIONS

AIDN-Vic member Redstack has formed alliances with partners Maptek and Avitus UAV Systems to deliver end-to-end reality capture, 3D scanning and 3D modelling solutions.

With national headquarters in North Adelaide, Redstack is a leading provider of service and technology to engineering and architecture communities. These new partnerships complement Redstack's relationships with Autodesk, Apple and Makerbot, enabling Redstack to deliver end-to-end solutions for design, engineering and BIM professionals.

Redstack Managing Director, Michael Lachs says "As a proud Australian company, we are very pleased to be partnering with leading Australian professionals in Maptek and Avitus. We are passionate about assisting Australian companies to grow and thrive in a global marketplace. Maptek and Avitus are just two of many South Australian success stories. We look forward to introducing their technologies to our clients throughout Australia and Asia Pacific."

Maptek is a leading provider of 3D scanning hardware. With more than 30 years of commitment to R&D, they offer an extensive range of high-quality 3D scanning technologies. This partnership is extending the reach of Maptek's industry-leading 3D scanning technologies beyond mining and into the building and construction industry. James Moncrieff, Technical Services

and Distributor Coordinator at Maptex says “Through our partnership with Redstack, we are seeing exciting applications of our technologies in the architecture and construction industries. 3D scanning is providing significant safety improvements and efficiency for architects and engineers working on existing sites.”

AvitusUAV Systems are another local success story, offering customised aerial systems for professional aerial photography and videography from South Australia. This partnership provides Redstack clients the opportunity to complement their existing design systems with professional aerial products and services. Simon Butterworth, Avitus Managing Director says “With the broad range of UAV technologies on the market, it’s important you get the right technology to meet your needs. There are complex regulation and licensing requirements for utilising aerial technologies and partnering with someone like Redstack will ensure you avoid making a costly mistake in selecting the right technology and complying with regulatory requirements.”

## FRAZER-NASH CONSULTANCY PPB-R CONTRACT

Frazer-Nash Consultancy has recently been awarded a contract to support the Australian Government in their tender specifications for the replacement of their current fleet of Pacific Patrol Boats used in the PPB-R.

The PPB-R enables the Australian Government to work with its regional partners on maritime surveillance.

The current fleet of 22 patrol boats gifted to 12 Pacific Islands is now approaching its end of service life.

The Department of Defence is now seeking to replace the current fleet of patrol boats for all Islands, with the addition of a new partner, East Timor.

Frazer-Nash is supplying technical expertise across a range of areas to tasking that includes the review of the high-level technical specification.

The task will also generate a broad parameters and feasibility report.

“Ultimately, the review and reports will best ensure the tender specifications are suited to an achievable and affordable replacement for the current patrol boats,” Samantha Tait Maritime Business manager said. [Courtesy of ADM](#)



## REDSTACK NOW OFFERING COMPLETE 3D SOLUTIONS FEATURING MAKERBOT® 3D PRINTERS AND ACCESSORIES

Redstack, a leading provider of design technology and services to engineering and architecture professionals throughout Australia is pleased to announce the addition of MakerBot®, the global leader in desktop 3D printing, to their expanding portfolio of 3D design and engineering solutions.

“Redstack is pleased to welcome MakerBot® to our growing portfolio of industry-leading 3d design and engineering technology solutions” noted Michael Lachs, Managing Director of Redstack.

Redstack will offer all MakerBot® products, including the newest generation of 3D printers: the award-winning MakerBot Replicator® Desktop 3D Printer, the MakerBot Replicator Mini Compact 3D Printer, and the MakerBot Replicator Z18 3D Printer with its massive build volume and the best price/performance in the extra-large professional 3D printer category. MakerBot Replicator 3D Printers are powered by the user-friendly MakerBot Replicator 3D Printing Platform, which offers an onboard camera, plug and play features, app- and cloud-enabled workflow, and available Wi-Fi connectivity. Redstack will also offer the MakerBot Replicator 2X Experimental 3D Printer, the MakerBot Digitizer™ Desktop 3D Scanner, and MakerBot Filaments and accessories.

MakerBot's industry leading 3D printing solutions complement Redstack's existing portfolio of 3D scanners, Autodesk technology, Apple hardware, CAD software and UAV solutions. Redstack now have the technology and expertise to deliver complete 3d design and engineering solutions linking reality capture, 3D design, simulation, animation, data management and 3D printing hardware and software solutions into a seamless workflow.

Redstack invite anyone who would like to view the powerful combination of Apple hardware, Autodesk software and MakerBot 3D printing solutions to visit one of our offices for a hands on demonstration.

## LOCKHEED MARTIN ESTABLISHES ASIA-PACIFIC ICT ENGINEERING HUB IN MELBOURNE

The hub is being set up in close partnership with the Victorian Government and Lockheed Martin says it is expected that 150 new ICT jobs will be generated over five years within the facility.

It will be equipped to provide a range of capabilities and facilitate regional research and development programs and a program delivery service.

The hub will be operated by Lockheed Martin's Information Systems and Global Solutions (IS&GS) business, which is investing \$8 million into its establishment.

"This investment adds to our existing footprint in Dandenong and Glen Waverley, and will accommodate 190 staff primarily servicing ICT systems development," Anne Mullins, vice president global solutions for Lockheed Martin's IS&GS, said.

"At least 150 of these will be new personnel, doubling our presence in Melbourne and providing high technology jobs to service local customers and capability to expand export opportunities,"

### Victorian Government co-operation

The Victorian Government has provided a financial support package, which will focus on infrastructure enhancements and upskilling of the workforce, which Lockheed Martin Australia chief executive Raydon Gates described as 'instrumental' in the building of a business case for a Victorian location.

Speaking at a ceremony in Clayton on September 29 to announce the establishment of the hub, Dr Denis Napthine, the Victorian Premier, said that his government was working closely with Lockheed Martin Australia to up skill the Victorian ICT workforce.

"As well as creating more high-skilled jobs, this project will increase our defence industry's global competitiveness and open up opportunities for Victorian companies in the global supply chain programs of a major defence and aerospace company," he added.

"The Victorian government worked closely with Lockheed Martin to secure this project, the latest in a string of major investments by international technology companies in Victoria.

"Since November 2010, we have facilitated over \$1.1 billion in technology-related investment, which is creating 5,000 new jobs."

### Investment in skills development

Mullins said that the development of ICT skills in Victoria is a key element of the engineering hub and the Victorian Government support package will be used to assist the company to develop skills in what she called 'key global technologies' in cyber, mobility and big data.

She said that the signature on September 10 of the contract with Defence to provide centralised processing services, which is intended to meet Defence capability requirements out to 2022, will provide Lockheed Martin's Victorian staff with the opportunity to play a key role in advancing capability.

"Together with our other two facilities here in Melbourne, this new facility provides great opportunities to grow our business and provide tremendous career advancement paths for our local employees," she said.

Academia also has a major role to play in the skills development process and Mullins said Lockheed Martin was looking to further engage with the Victorian Government in this area.

"In this quest, we will be looking to further our partnership with the Victorian Government and its scientific, engineering and educational institutions; including Monash University, where I understand we have already been recruiting cadets," she said during her presentation at the Clayton facility on September 24.

"The co-investment in skills development announced today by Premier Napthine will enable us to sharpen the competitive edge that is so essential to achieving success in the high paced technology business we are seeking to develop in the Asia-Pacific region."

Mullins also said that Lockheed Martin Australia had already begun expanding its Victorian workforce ahead of the engineering hub becoming operational in the future.

"In the past month alone we have added nearly 50 new employees to our Victorian business," she noted.

"The \$8 million Lockheed Martin investment in this new facility and its laboratory infrastructure will also be matched by the creation of 150 new jobs." [Courtesy of ADM](#)

## ▶ DEFENCE INDUSTRY NEWS



SWIR Imagery at 11.15am on 4 January 2014  
(© Digital Globe – licensed to the Australian Department of Defence)

### DSTO COLLABORATES TO SEE FIRE THROUGH THE SMOKE

DSTO, in collaboration with the Australian Geospatial-Intelligence Organisation (AGO), has been instrumental in initiating the collection of sophisticated satellite imagery over the fire-affected areas during the recent Adelaide Hills bushfire.

The coordination of the DSTO/AGO response was initiated by DSTO researcher Chris Ekins, who evacuated his family from the area in the early hours of Saturday 3 January.

Through his research into enterprise geospatial information systems, Chris was familiar with a Short Wave InfraRed (SWIR) sensor capability on the WorldView-3 satellite (owned and operated by US company, Digital Globe). One of the applications of SWIR is to support first responders to 'look through' smoke and haze created by wildfires.

Upon hearing reports of heavy smoke inhibiting the emergency response, Chris was quick to identify the potential application of this technology in support of the South Australian Country Fire Service (CFS).

"The SWIR imagery is absolutely ideal for this purpose, and it supports a range of other emergency activities," said Chris.

"When combined with other high resolution imagery, it provides an assessment backdrop that can be used to rapidly and confidently show active, burnt and untouched areas."

The imagery, licensed by Defence from Digital Globe, was delivered directly to the CFS headquarters where it was used to assist in mapping the impacted area and active fire fronts. It was also used to help identify unaffected properties, assisting the CFS's fire suppression efforts and providing clear and accurate information to the public about the fire's size and extent.

Chief Defence Scientist Dr Alex Zelinsky thanked Chris for his initiative and leadership in helping the CFS obtain access to the best imagery available. He also commended the work of Chris, the AGO and Digital Globe for their collaboration in providing timely support to the SA CFS.

"DSTO's coordination of this collaboration effort is a perfect example of our role as a valued advisor, collaborative partner and innovation integrator," said Dr Zelinsky.

### DCNS OPENED A NEW SUBSIDIARY IN AUSTRALIA

In the presence of Defence Minister, David Johnston, top management of local defence industries and numerous key personalities of government, HervéGuillou, CEO of DCNS Group opened the new DCNS Australia subsidiary.

By setting up a long-term base in Australia, DCNS aims at taking the lead on coming discussions on the Sea 1000 program between Australian stakeholders and a combined French government/industry team, including Thales Australia.

Through this program, Australia plans to replace its current Collins Class submarines and DCNS is considering to propose the

Barracuda submarine.

"I am very pleased to officially announce the creation of DCNS Australia Pty Ltd," HervéGuillou, CEO of DCNS, said.

"Australia is a key objective for the Group and for the French defence industry. Thanks to our dual expertise in design, build and through-life support of submarines of all sizes, including combat systems integration, we intend to bring a key contribution to the Commonwealth of Australia. Using sea proven solutions and robust industrial roadmap for the Future Submarine Australian program (Sea 1000), we'll mitigate both program and technological risks while ensuring proper delivery strategy and capability continuity". [Courtesy of ADM](#)

## FIRST AUSTRALIAN PILOT TO UNDERTAKE F-35A LIGHTNING II TRAINING

The introduction of Australia's 72 F-35A Lightning II aircraft into RAAF service is about to move a step closer soon when the first Australian pilot commences training.

Squadron Leader Andrew Jackson, Australia's first F-35A pilot, will commence training for his first F-35A flight on 26 January at Eglin Air Force Base, Florida, United States.

"The F-35A will be Australia's first fifth-generation aircraft and will provide the RAAF with a leading air combat capability. I'm excited to be given the opportunity to take a leading role in its introduction," SQNLDR Jackson said.

SQNLDR Jackson will undergo an intensive training program before he takes his first flight in the coming months.

"The fifth generation F-35A capabilities represent a quantum shift over legacy fighters. I am looking forward to the training challenge it will present.

"This aircraft will give fighter pilots a level of situational awareness that far exceeds legacy platforms. Experiencing this level of capability first hand is something every pilot dreams of," he said.

SQNLDR Jackson will have an important future role as an Instructor Pilot for Australian and international F-35A pilots, and was selected for his operational flying skills, extensive experience and leadership.

"It will be a great honour to work and train alongside the United States and other international Air Force pilots," SQNLDR Jackson said.

The second Australian F-35A pilot, SQNLDR David Bell, will begin his training in mid-2015. SQNLDR Bell is a qualified Test Pilot.

The F-35A (commonly known as the Joint Strike Fighter) will meet Australia's future air combat and strike needs, providing a networked force-multiplier effect in terms of situational awareness and combat effectiveness.

The F-35A's combination of stealth, advanced sensors, networking and data fusion capabilities, when integrated with other defence systems, will enable the RAAF to maintain an air combat edge.

The first F-35A aircraft will arrive in Australia at the end of 2018 with the first operational squadron to be established by 2020. The F-35A will replace the aging F/A-18A/B Hornets at RAAF Bases Williamtown (NSW) and Tindal (NT).

## ENVIRONMENTAL WORKING GROUPS

Environmental Working Groups are administered through the Govdex website. Registrations for attendance, meeting agendas and useful environmental information such as Capability Development contact officers can be undertaken/sourced at this site.

For members who are not already members of the EWGs via Govdex please contact AIDN [sue.smith@aidn.org.au](mailto:sue.smith@aidn.org.au) for assistance with registration.

Aerospace Environmental Working Group (AEWG)

The date for the next AEWG has been set for Thursday 26 February 2015 in conjunction with the Avalon Air Show 2015.

Land Environmental Working Group (LEWG)

The LEWG was held in Brisbane during Land Forces 2014 on 22 September 2014. The date for the next meeting will be advised when known.

Maritime Environmental Working Group (MEWG)

The last MEWG washeld on Thursday 27 November in Canberra.The date for the next meeting will be advised when known.

#### C4ISREWG Environmental Working Group

The C4ISREWG Environmental Working Group meeting was conducted 09 September 2014 in Canberra. The date for the next meeting will be advised when known.

#### Synthetic Environmental Working Group (SEWG)

The next meeting of the SEWG is scheduled for February 2015.

## ▶ GENERAL NEWS

### PERSONNEL CHANGES

Defence Reserves Support Council National Chair Jack Smorgon AO, has announced the appointment of Colin Radford as Chair of the Defence Reserves Support Council Victoria.

Steve Richards has replaced Greg Hodge as Managing Director of Serco Defence. Steve comes to Serco with a wealth of infrastructure experience from a broad range of industries.

David Marino has been appointed Managing Director and Chief Executive Officer of Quickstep Holdings.

## ▶ UPCOMING ACTIVITIES

ADM CONGRESS 2015 10  
February 2015 Hyatt Hotel  
Canberra.

Next year, it will be a streamlined one-day event followed by the Awards reception at the Hyatt Hotel, Canberra.

Avalon International Airshow  
2015 24 February - 1 March  
2015, Geelong

The Australian International Airshow and Aerospace & DefenceExposition is the essential aviation, aerospace and defence eventfor the Asia Pacific.

Web: [www.airshow.com.au](http://www.airshow.com.au)

PACIFIC 2015 6 - 8 October  
2015, Sydney

The PACIFIC 2015 International Maritime and Naval Exposition isa unique marketing, promotional and networking forum.Scheduled to coincide with the Royal Australian Navy's annualNavy Week celebrations, PACIFIC 2015 will be a comprehensiveshowcase of the latest developments in naval, underwater andcommercial maritime technology.

Web: [www.pacific2015.com.au](http://www.pacific2015.com.au)

## AIDN ACTIVITIES LIST FOR 2015

February	4	VDA-Land – Land 400 Briefing	AIDN-Vic
	12	Networking Breakfast – Williamstown Upgrade	AIDN-NSW
March	18	VDA-Land – Land Briefing with Primes	AIDN-Vic
June	11	AIDN-Qld Annual Dinner	AIDN-Qld

Contact your local AIDN Chapter for more info on the above activities:

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## Have you got a story or a news item to tell?

Anything from a recent success story to a new product or service, we want to hear about it.

Why? So we can tell all our Member Companies about it, and also the many other people with an interest in the defence, security and aerospace sector who receive the AIDN Newsletter.

Articles are to be limited in size and submitted by email to [sue.smith@aidn.org.au](mailto:sue.smith@aidn.org.au). This is a free service to members.

## CAN WE HELP YOU?

If you would like any further information or require any assistance with defence industry issues, please contact the AIDN office:

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[sue.smith@aidn.org.au](mailto:sue.smith@aidn.org.au).

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