



**NATIONAL NEWSLETTER  
No 2 of 2015**

**Quote of the month**

"Arguments are to be avoided; they are always vulgar and often convincing."

- *Oscar Wilde*

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▶ **AIDN NATIONAL NEWS**



*LtoR Courtney Cole, Chanelle Pogas, Michelle Kelly, Harry Dunstall, Tamara Perry, Fiona Yue Kan, Alan Rankins*

### **AIDN YOUNG ACHIEVER AWARD (YAA) ANNOUNCED**

Tamara Perry from ThalesAustralia (the AIDN-NSW Winner) was announced as the national winner of the 2015 Australian Industry & Defence Network (AIDN) Young Achiever Award (YAA) at the ADM2015 Congress awards reception on 10 February in Canberra.

The other State Chapter YAA winners were

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

In introducing the national finalists the AIDN National President, Alan Rankins said 'that although the finalists worked in diverse backgrounds within the defence industry, each YAA displayed outstanding qualities in their profession and are a credit to themselves and their employers.' Mr Rankins also expressed AIDN's gratitude for the ongoing support provided by the DMO and the ADM.

In presenting the winner the DMO's Acting CEO, Harry Dunstall, emphasised the importance of acknowledging and encouraging all talented young Australians involved in the defence industry.



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## RECENT DEFENCE TENDERS

AIDN welcomes the recent release of the Land 400 Ph2 - Mounted Combat Reconnaissance Capability was released on 19 February and the Pacific Patrol Boat tender was released on 5 March.

AIDN looks forward to working with the relevant primes and trying to maximise the amount of Australian industry content in both these projects.



## AIDN-Canberra

## AIDN-Canberra MEMBERS' NEWS



## XTEK TO SUPPLY HIGHLY ADVANCED PORTABLE SUBMERSIBLE REMOTE VEHICLES IN AUSTRALIA AND NEW ZEALAND

XTEK Limited has secured a significant agreement with VideoRay, the world's largest underwater Remotely Operated Vehicle (ROV) manufacturer, enabling XTEK to offer a complete range of remote vehicles to the Australian and New Zealand market.

United States-based VideoRay has sold over 3,500 submersible ROVs worldwide and the latest agreement establishes XTEK as the exclusive reseller of VideoRay systems to the defence and law enforcement sectors in Australia and New Zealand.

According to a Markets and Markets report, the global ROV market is estimated to be worth \$US1.2 billion in 2014 and is expected to register a compound annual growth rate of 20.11% in 2019.

"We see a growing requirement for underwater surveillance in Australia and New Zealand and believe that there will be strong demand for submersible ROVs across a number of industries,"

"VideoRay is the perfect complement to XTEK's cutting-edge product portfolio and will enable us to provide remote vehicle solutions to cover air, land and sea environments.

"This is only the first of a number of exciting developments that lie ahead for the company this year and 2015 marks an important inflection point for XTEK." said XTEK's Chief Executive Officer, Brian Malcolm.

Under the agreement, XTEK will also provide Through Life Support for VideoRay systems in Australia at its worldclassworkshop facility in Canberra.

“XTEK’s expertise with homeland security, EOD, and forensics is a great complement for VideoRay. Many of ourcustomers around the world are already successfully using VideoRay products for Defense, Security and LawEnforcement applications, and we look forward to leveraging our success in these markets with XTEK in Australiaand New Zealand.” Says Chris Gibson, VideoRay Vice President of Sales and Marketing.

## SPENCER AND KEYS HONOURED IN EXPORT AWARDS

Two of the six people recognised in this week’s Export Council of Australia Export Hero awards will be familiar to the defence industry community.

Glenn Keys (Aspen Medical, ACT) and Ross Spencer (SOS Marine, NSW) were presented with their awards at a ceremony held at Government House in Perth on 12th February.

Each recipient was recognised for their unique contributions to export.

Glenn Keys is the well known co-founder and Executive Director of Canberra-based Aspen Medical, one of the world’s leading providers of outsourced healthcare solutions.

In 2003, Glenn founded Aspen with his long-time friend, Dr Andrew Walker.

A decade on and Aspen has a team of over 2,000 and operates across Australasia, the Pacific Rim, the Middle East, North America and the UK.

This multi award-winning company has been voted ACT Exporter of the Year on four occasions and the national winner of the Health and Biotechnology category at the Australian Export Awards 2013.

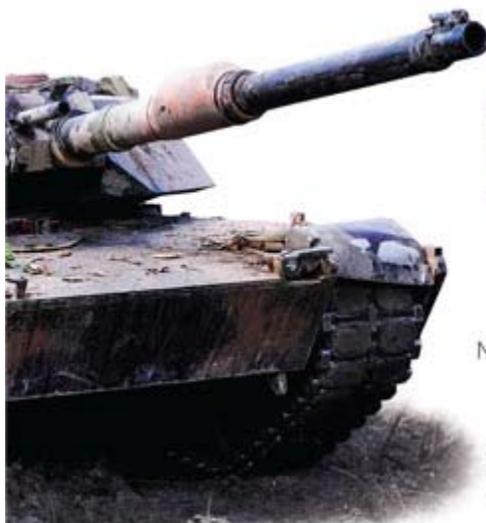
Under Ross Spencer’s leadership, SOS Marine expanded to become a world class supplier of marine accredited safety and protective equipment and is now a major accredited recognised supplier to the ADF for the design and manufacture of inflatable life jackets, waterproof drop bags, gun holsters, diver’s recovery vests and helicopter rescue strop.

SOS Marine supplies safety equipment to twelve defence forces world-wide.

In presenting the Awards, the Chief Executive Officer for the Export Council of Australia Lisa McAuley said people who receive an Export Hero Award “have fought and won on the international stage.

“Technically smart, creative and hard working they are able to show the world that Australian’s can do anything, and often better than anybody else.”

Created in 1997, the Australian Export Heroes Awards recognise and acknowledge the champions of Australia’s export community as they contribute to further developing a uniquely Australian export culture.



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## LOCKHEED MARTIN TO PROVIDE RAAF C-130J VIRTUAL TRAINER

Lockheed Martin Australia will supply a modern C-130J-30 Virtual Maintenance Trainer and a Multi-Function Training Aid (MFTA) to support maintenance and aircrew training at RAAF Base Richmond.

Under the maintenance training contract awarded by the Royal Australian Air Force, Lockheed Martin Australia together with Lockheed Martin Mission Systems and Training in Orlando, Florida, will update two classrooms with high resolution desktop maintenance trainers paired with computer-based training courseware.

Two new developer stations will also enable RAAF C-130J-30 training staff to modify and update the training courseware through the aircraft lifecycle. Lockheed Martin will also provide aircraft-based simulation.

Through this major upgrade, the Royal Australian Air Force will have a standardised curriculum tailored for its operations and based on decades of C-130 training innovation by Lockheed Martin.

“These capabilities, supported by a network of training services and products across Lockheed Martin’s aircrew training programs, enable the most effective training for the next generation of pilots and maintainers,” said Raydon Gates, Chief Executive of Lockheed Martin Australia and New Zealand. [Courtesy of ADM](#)

## ▶ AIDN-New South Wales

### MESSAGE FROM THE PRESIDENT

Hello from the NSW chapter,

The year has been busy already. As I write this, a number of you will be just heading home from the Airshow at Avalon, or you will have seen a number of things that the press has taken up from it. In the meantime, I am at the IDEX military exhibition in the Middle East.

Last week I visited the premises of our Gold Dinner Sponsor, Rockwell Collins Australia, on the occasion of their opening their new production facility for more than 40% of the global supply of the sensor in the JSF Distributed Aperture System (DAS). This is most impressive technology they are establishing. While the emphasis in the press has been on the hi-tech helmet with 360o view, none of it would be possible without the 6 sensors per aircraft produced by Rockwell in Lane Cove. You will note elsewhere that we are visiting them for our April Breakfast.

It was also pleasing to see NSW Govt Minister the Hon. Anthony Roberts attending the Rockwell opening and being exposed to the hi-tech benefits that defence industry brings to NSW.

Another announcement showcased this week was the 3-D metal printing developed at Monash University and being used to print jet engine parts. Our NSW member ISCA will be pleased to see how well this is going as they are using the Monash facilities on one of their projects.

And while all of the glamorous things have been on show, your committee has been hard at work on various improvements to the way we operate. You will hear more on this in the near future.

Regards,  
Medhat Wassef  
NSW President

### 2015 NATIONAL YAA

Our winner from last year, Tamara Perry of Thales, attended the ADM Conference in Canberra to compete in the National YAA. In no surprise to those of us who have met her, Tamara brought home the major Prize! We all congratulate her.

### 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 Some 40 people attended this Breakfast to hear a number of contractor speakers cover the opportunities available from the Williamtown Base Upgrade project to produce new facilities for the JSF.

### MARCH BREAKFAST – 12th MARCH LASERBOND

Our next Breakfast is at Laserbond where the company will showcase their advanced surface engineering capability to reduce maintenance and operating costs.

## APRIL BREAKFAST – 23rd APRIL ROCKWELL COLLINS AUSTRALIA

Our April Breakfast is at Rockwell Collins Australia's Lane Cove facility where the company will showcase their newly-opened JSF DAS electro-optic sensor manufacturing facility and their advanced battlefield simulation capabilities for Army.

### AIDN NSW LINKEDIN GROUP

Join the group and see the latest topics at:

[Join The Group](#)

### EXECUTIVE COMMITTEE MEETINGS

Your committee met on 12th February. Major outcomes were:

- Finances remain healthy with membership fee income currently above budget
- Membership numbers are slightly down with a number not re-joining
- The Audit for 2012 is nearing finality with an Accountant to be hired shortly for this and on-going work
- The online payment facility should be running soon.

## ▶ AIDN-NSW NEW MEMBERS



### MOBILIS MEDICAL

Mobilis Medical is a joint initiative between two Australian owned leaders in their fields. Mobilis Medical combines the shelter and remote infrastructure innovations provided by OPEC Systems and the medical equipment advances and consumables of Device Technologies. Providing durable, self-contained, climate controlled and clean environments for practising advanced level medical care at the point of need.

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For more information please contact:

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### ABAKUS

ABAKUS is the Australian Representative of Rafael – Advanced Defence Systems Ltd. Drawing on Israel Defense Forces' vast combat experience and with over 6 decades of development and manufacturing of a wide range of battle-proven, pinpointed solutions for air, land, sea and space systems - Rafael is one of the world's most sophisticated defence companies. Rafael's acclaimed R&D capabilities together with its unique integrated systems approach, are successfully employed by a growing number of demanding international customers as well as by joint-venture partners all over the world. Tailored to its customer's specific needs, Rafael provides state-of-the-art, yet cost-effective systems and weapons in the fields of: Missiles, Naval and

Airborne EW, C4ISR, communications networks, data links, EO payloads, add-on armour for MBTs, APCs, light vehicles, helicopters as well as upgrading of combat vehicles.

For further information please contact:

Paul Keen  
02 9632 4222

## ▶ AIDN-NSW MEMBERS' NEWS

NSW member and Gold Dinner Sponsor Rockwell Collins Australia has opened its new hi-tech facility at Lane Cove to produce the electro-optic sensors used in the JSF's Distributed Aperture System (DAS). There are 6 sensors per aircraft and the Lane Cove facility will be supplying at least 40% of the global build. The dedicated clean room facility assembles and tests the sensor and is currently doing qualification testing. Once production is well established, there may be opportunities for local suppliers to be qualified to produce some of the components in the sensor.

NSW member Broens Industries, now part of the Forjacs Group, has announced that it is producing its next generation military aircraft loaders and will be hoping to sell both in Australia and overseas.

BAE Systems has also been working with Kongsberg Defence Aerospace AS on the electronics for a second, independent sensor within the Joint Strike Missile for the JSF to identify hostile radar targets.

### QUICKSTEP RECEIVES NADCAP ACCREDITATION

Quickstep Holdings, the manufacturer of high-grade carbon-fibre components for the aerospace and automotive industries, announced recently that it has received accreditation from Nadcap, the worldwide cooperative program of major companies administered by the Performance Review Institute (PRI) for quality assurance within the aerospace and automotive industries.

David Marino, managing director of Quickstep, said: "Nadcap certification demonstrates to the aerospace and defence industries worldwide that Quickstep employs high-quality, stringent processes for carbon fibre composites production. Joining the Nadcap Qualified Manufacturers' List increases our opportunity to win new contracts. This is an important stepping stone toward securing aerospace work from prime contractors such as Airbus and Boeing, most of whom require Nadcap accreditation throughout their supply chain."

Quickstep received Nadcap accreditation for composite special processing at its Bankstown Airport, Sydney facility. This supplements the AS9100 and ISO 9001 approvals secured in 2009 and numerous specific process approvals that enable the company to produce parts for Lockheed Martin, Northrop Grumman and BAE Systems. Quickstep has been delivering F-35 Lightning II Joint Strike Fighter parts from its facility to Northrop Grumman in the US for more than two years, and commenced deliveries to Lockheed Martin for the C-130J Super Hercules military transport in February 2014.



### QUICKSTEP WINS AEROSPACE AUSTRALIA DEFENCE INNOVATION AWARD

Quickstep Holdings is pleased to announce that it has received the Aerospace Australia Defence Industry Innovation Award for 2015.

The award, which recognises an Australian company's outstanding originality and innovation, demonstrated commercial success, and understanding of customers' needs, was presented by Aerospace Australia's chairman, Air Marshal Les Fisher, at a ceremony during Avalon 2015, the Australian International Air Show.

The Quickstep Process is a revolutionary technology which outperforms the current benchmark for aerospace composite curing – large heated pressure vessels known as autoclaves – to enable replacement of batch processing with faster, more energy efficient serial production. Its unique capability is founded in the use of fluids to cure components, which improves control over curing and reduces cycle times. This process enables significant savings compared to traditional curing methods such as convective heating.

David Marino, managing director of Quickstep, said the award was a strong endorsement of the company's technology. "We are delighted to receive this industry award which highlights the quality of Quickstep's innovation for the aerospace and defence industry globally. Lightweight, super-strong carbon-fibre structures are the way of the future and the Quickstep Process offers great advantages for companies demanding faster production at lower cost.

"Our first Quickstep Process plant for a commercial customer is nearing delivery. Aerospace components manufacturer ORPE Technologiya will use the Quickstep Process to manufacture 4.5 metre x 6 metre shielding for satellite launch vehicles, realising significant cost savings compared to traditional curing techniques."

## ▶ AIDN-Queensland

## AIDN-Qld MEMBERS' NEWS



### TAE SELECTED FOR AUSTRALIAN ABRAMS SUPPORT

TAE, Australia's leading gas turbine engine maintenance and engineering company, announced recently that it signed a contract with the Defence Materiel Organisation (DMO) to provide program management, deeper maintenance, engineering and supply support for the Honeywell AGT1500 engine that powers the Australian Army's M1A1 Abrams main battle tank. The five year contract will enable AGT1500 engine MRO support to be repatriated to Australia and will provide a broad range of program benefits.

The contract builds on the existing relationship that DMO and TAE have developed over the last 18 months, during which time TAE have provided engine 'Triage' repairs. TAE will next month commission the AGT1500 Engine Test Facility that will be located at Amberley and enable full AGT1500 engine overhaul testing to be completed using an advanced PC based data acquisition system. The test cell was designed and manufactured in house by TAE's Engine Test Cell support team.

TAE's activities will be supported by its OEM partner, Honeywell, who will provide spares, data and technical support to the project and TAE looks forward to further strengthening this valued OEM relationship.

The contract marks the first major land based contract for TAE. Andrew Sanderson, General Manager TAE, said "In country support for the AGT1500 engine is the start of a new era at TAE and we are extremely pleased to take this journey with the DMO. Our team is excited by the new challenge and fully committed to supporting the Australian Army".



### BAE SYSTEMS AUSTRALIA AND TAE TO SUPPORT F-35 JSF AND F135 ENGINES

BAE Systems Australia and Tasman Aviation Enterprises (TAE) have won selection as MRO suppliers to the Lockheed Martin F-35 JSF in the South Pacific region.

BAE Systems has the role of Southern Pacific Regional Depot Airframe Maintenance, Repair, Overhaul and Upgrade providers supporting the F-35 JSF from early 2018 from RAAF base Willamtown, north of Sydney. BAE Systems will provide a heavy airframe maintenance and sustainment capability for the JSF fleet based in the "Southern Pacific" region.

TAE will maintain and overhaul the aircraft's Pratt & Whitney F135 engines with the work being carried out at the Amberley air base in South Queensland.

Selection of BAE Systems and TAE for the support work was managed by the US Department of Defense.

BAE said its selection was a strategic decision by the US focused on delivering the best support solution for the global F-35 JSF fleet. Similar assignments have been made by the US Government in Europe.

BAE Systems submitted a proposal in August 2014 for the work and an on-site assessment was conducted by the F-35 Joint Program Office in October 2014.

BAE Systems currently supports the Australian air force's Hawk Lead-In Fighter fleet at Williamtown, Australia's main fighter base where F-35A JSF training will be carried out. The Australian Hawks are now undergoing a life extension and upgrade to permit them to be used as a trainer for future JSF pilots.

Japan has the airframe contract for the JSFs based in the Northern Pacific.

As the regional prime contractor, BAE Systems says it is committed to maximising Australian industry involvement and will actively engage those small to medium-sized enterprises who have worked with the Australian Government through the JSF Australian Industry Involvement Program.

David Allott, chief executive, BAE Systems Australia, said: "We are delighted to have been assigned this substantial scope of work. Our proven fast jet aircraft maintenance capabilities in Williamtown, combined with our strong commitment to working collaboratively with Australian industry, ensures that the international JSF Partners and Foreign Military Sales (FMS) customers will have ready access to a strategically important regional support depot."

According to the JSF's JPO in Washington DC the aircraft based in the north Asia-Pacific will be supported in the Japan facility while those in the 'southern Asia-Pacific' will be overhauled and supported in Australia.

Because of the Asia-Pacific's geography Australian workshops will have limited throughput of JSFs flown by other operators.

The closest expected buyer of the JSF is Singapore, which is north of the equator and about 1,000 kms closer to Tokyo than Williamtown.

Other potential buyers, or customers of the JSF in Asia, are Taiwan and South Korea and all much closer to Japan than Australia.

The location at Williamtown for the JSF support is still being studied. BAE Systems has a big hangar at Williamtown which was built originally to assemble the Hawk 127s and is now used for support and upgrade of the aircraft.

It appears there will be a net increase in staff numbers at Williamtown with initially both the classic Hornet support work, now contracted to Boeing, and JSF work being carried out. However the work on the classic Hornets will reduce as their retirement date approaches and aircraft are retired.

The long delay in introducing the JSF has meant additional expense because of a clumsy transition from the Hornet to the F-35 JSF. It was originally planned JSF could be absorbed in facilities now used by classic Hornets.



## **EPE HOSTS KEN PIRIE, FORMER DEPUTY DIRECTOR CTTC**

EPE is currently hosting Ken Pirie in Australia to collaborate on ADF Projects Land 3025 and Land 2110. EPE's long relationship with Ken started in 1998 when EPE Director, Warwick Penrose participated in Live Agent Training at DRDC Canada as part of the ADF's preparations for the Sydney 2000 Olympics. Since then, EPE and Ken have formed a positive working relationship that encourages and sustains the exchange of technical and operational information, ideas and

experiences specific to the mitigation and management of terrorist driven CBRN threats.

Ken Pirie retired from Canadian federal government service in 2012 as the Head/Demilitarization Operations and International Training Programmes at the Defence Research and Development Canada (DRDC) Suffield, Alberta. He specialized in explosive engineering application, blast physics, chemical and conventional ordnance disposal, demilitarization project management specific to the recovery, process and destruction of abandoned chemical weapons and the design, implementation and management of specialized prototype equipment and systems employed in the destruction of chemical filled ordnance.

In 2006 Ken was acknowledged by the Organization for the Prohibition of Chemical Weapons (OPCW) as a “Qualified Expert” in his field and as such, participated in OPCW operations specific to “Investigations of Alleged Use” of chemical weapons by opposing states parties. As Deputy Director, Counter Terrorism Technology Centre, Ken directed global First Responder Training Programs (FRTP); he produced the curriculum and directed national live agent training operations for the Department of National Defence, militaries of foreign governments, other government agencies (foreign and domestic) as well as Canadian and International first response communities.

## ▶ DEFENCE TEAMING CENTRE (DTC)

DTC NEWS

### APC TECHNOLOGY SHIPS CIS WATCHKEEPER CONSOLE

APC Technology has completed the CIS Watchkeeper Console project for installation into the Royal Australian Navy's Hobart Class Air Warfare Destroyers (AWD). Installation is taking place in Osborne, South Australia.

The project involved a turnkey approach including design, prototyping, testing and final production. The console meets a range of requirements including the integration of:

- CCTV control keyboard and PC
- Display, keyboard, trackball mouse
- KVM switch
- Power distribution

They have been tested to meet military specification including temperature & humidity environment conditioning.

Keith McDougle, APC Technology's Engineering Manager commented, “We are delighted with the final outcome of the consoles. We have worked in conjunction with Raytheon Australia over the last 12 months to meet their requirements and the last console leaves our Adelaide manufacturing plant this month ready to be fitted into the ships.”

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

South Australian company Redstack has formed alliances with local 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 provides service and technology to the engineering and architecture community. 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.”

James Moncrieff, Technical Services and Distributor Coordinator at Maptek 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.”

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.”

## PRATT & WHITNEY, LEVETT ENGINEERING CONTINUE PARTNERSHIP IN AUSTRALIA FOR THE F135 ENGINE AND F-35 LIGHTNING II

Pratt & Whitney, a division of United Technologies Corporation, has issued a purchase order with Levett Engineering for the manufacture of critical F135 engine components. This purchase order is for manufacturing development and delivery of F135 engine main bearing housings, supports, and oil flow manifolds for the worldwide engine fleet.

Levett Engineering, a precision component manufacturer located in Elizabeth, South Australia, has been supplying second and third stage turbine vane transfer tubes for the F135 engine since 2009. The current purchase order doubles the number of components being supplied by Levett to Pratt & Whitney.

“Levett competed and succeeded on a global stage at providing a best value manufacturing solution for the F135 engine and the F-35 program,” said Howie Chandler, vice president, Military Engines, Business Development at Pratt & Whitney. “This purchase order underscores Pratt & Whitney’s commitment to Australian F135 industrial participation.”

“We are thrilled to have received this purchase order from Pratt & Whitney to manufacture and deliver these key F135 components,” said Paul Levett, managing director, Levett Engineering. “Pratt & Whitney recognizes the excellent cost, high quality, and on-time delivery value that Levett provides. This purchase order significantly expands the work scope we currently have with Pratt & Whitney and is especially important to Levett as a small-medium enterprise in Australia.”

The F-35 will replace aging fourth-generation aircraft for Australia and partner countries with an affordable, sustainable, and highly capable fifth-generation aircraft. The F-35 program includes partners from nine countries – Australia, Italy, Canada, Denmark, Netherlands, Norway, Turkey, United Kingdom, and United States – as well as three foreign military sales countries – Israel, Japan, and South Korea.



### Military Vehicle Technology Courses (Melbourne)

Eggler Consulting Engineers is Australasia's only training provider of specialist military vehicle technology courses. We are recognised in the Defence market for our expertise in developing and delivering military vehicle technology training. Delivered by experts, our courses will be running again in Melbourne during May 2015.

Our training is designed to assist engineers and project professionals understand the key technical and technology issues involved in the definition, design and development of complex military vehicle systems. Depending on your needs – one, three and five day courses are available.

You will learn about the latest technology and engineering science underpinning fighting and logistic vehicle design. Courses will be offered in Military Vehicle Technology & Mobility, Firepower and Protection Technologies and Tactical Mobile Communications Technologies for Military Vehicles. **Be ready for Land 400.**

**In the first half of 2015, courses will be offered in:**

- Firepower and Protection Technologies**  
4 - 8 May
- Military Vehicle Technology & Mobility**  
11 - 15 May
- Tactical Mobile Communications Technologies**  
18 - 22 May

For further details on courses please visit:  
[www.ece.net.au](http://www.ece.net.au) or email: [training@ece.net.au](mailto:training@ece.net.au)

**Specialising in Military Vehicle Technology**

## ▶ AIDN-Victoria

### EVENTS

VDA-Land Wednesday 18 March – Prime Land opportunities.



### Beadwindow Pty Ltd

Beadwindow is an Australian-owned naval consultancy that has analysed and solved Defence-related commercial and capability problems, worth more than \$4.7 billion since 2012.

Significant engagements include:

- A USD\$2.8 billion international naval shipbuilding and combat system integration project that underwent a training needs analysis and received a total service program design & delivery solution.
  - This improved project quality, relationships and total value delivered by civilian engineers and project staff
- A \$1.6 billion sustainment deal that was renegotiated between two Defence agencies.
  - This provided the Australian Government improved assurance for capability delivery and in its underlying financial management
- A \$240 million Defence logistics capability that was reviewed with a feasibility analysis conducted for its delivery by industry.
  - This now delivers Defence new value worth \$millions per annum
- A \$100 million Navy capability that was reviewed with feasibility analysis conducted for its augmentation by industry.
  - Implementation will ensure capability is preserved and improved, with significant financial savings to the Australian Government

Combining Defence capability development experience, naval warfare knowledge and commercial insight, Beadwindow assists maritime-related defence industry to win work, and improve the value of current work.

Please contact:

Chris Walter  
Director  
Phone: 03 9982 4558  
chris@beadwindow.com.au



### Dräger Safety Pacific Pty Ltd

Dräger is a leading international company in the fields of medical and safety technology. Our innovative products, services and systems protect, support and save lives. People from hospitals, manufacturing, mining, fire protection and emergency services have trusted in Dräger since 1889.

Besides striving for the highest quality and common interfaces between our products, Dräger also focuses on the protection of our environment and our natural resources.

Technically advanced with a human touch, culture out of tradition, innovations by self-conception, worldwide one vision: Dräger, Technology for Life®

Our long-term success is predicated on a value-oriented corporate culture with four central strengths: close collaboration with our customers, the expertise of our employees, continuous innovation & outstanding quality.

"Technology for Life" means more than merely guaranteeing technical excellence. It means assuming responsibility for the lives of those who use our products and depend on them.

"Technology for Life" is both our guiding principle and the central challenge that we draw on for inspiration and motivation; not technology for technology's sake; and not technology in a vacuum - Technology for Life and we've developed our corporate culture and core strengths accordingly:

The Safety Division offers its customers complete solutions with a special focus on personal safety and protecting. The safety division's current portfolio includes stationary and mobile gas detection systems, respiratory protection, firefighting equipment, professional diving gear, alcohol and drug-testing instruments.

The Medical Division's product range covers anaesthesia workstations, ventilation equipment for intensive and home care, emergency and mobile ventilation units, warming therapy equipment for infants, patient monitoring equipment, IT solutions and gas management systems.

Please contact:

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Segment & Strategy Manager  
Phone: 03 9265 5018  
christian.ferris@draeger.com

### Lanotec Australia

Protection and maintenance of Defence Assets: Providing Lanolin based corrosion inhibitors, lubricants and greases.

Citrus based cleaners and degreasers that are environmentally friendly.

Please contact:

Tim Taylor  
Business Development Manager  
Mobile: 0438 748 569  
ttaylor@lanotec.com.au



### The Shotton Group

#### Capability Statement

General metal fabrication, design, manufacture and installation, including: 3D CAD Design, Workshop Drawings, Laser Cutting, Folding, Rolling, Punching, Guillotine, Welding (all materials), Coating (HDG, Powder Coat, Painting including custom specification paint), delivery and Installation.

#### Company Profile

The Shotton Group consists of 4 divisions: Shotton Manufacturing (sheet metal turnkey solutions), Shotton Lifts (Lifts for commercial and residential markets), Shotton Parmed, (Mortuary fit outs and equipment) and the latest addition to the group Shotton Materials Handling (Batching systems). The Shotton Group P/L which is a family owned business incorporated in 1977.

As a company we are well versed with world's best practices and are ISO 9001-2008 accredited. We have implemented many Lean processes and principles, regularly integrating with customer production requirements such as Kanban and even to the level of milk runs. Our philosophy is to become an extension of our customers businesses by giving them exactly what they want; when they want it; with the right quality and at the right price.

We are in the manufacturing industry, and therefore the often complex nature of work undertaken can result in the need for changes to design, materials or production methods. What has driven much of our growth is our multi skilled workforce, flexibility and a high level of contact with our customers from initial concept to final delivery.

Please contact:

John Dorning



Austest Laboratories offers the most comprehensive and publicly available environmental, EMC and electrical testing facilities in Australia and New Zealand. This includes the most up to date EMC facilities, vibration and shock equipment, climatic chambers, pressure and altitude simulations and many others covering requirements of all commonly used defence specifications such as MIL-STD-461, MIL-STD-810, MIL-STD-167, MIL-STD-202, DEF-STAN 00-35 etc.

**OUR SERVICES INCLUDE:**



- **EMC** (inc. Radio frequency interference emissions and Susceptibility)
- **Electrical safety** (inc. Information Technology Equipment)
- **Climatic Testing** (inc. Temperature and Humidity)
- **Mechanical Testing** (inc. Shock and Vibration)
- **Acoustics** (inc. Airborne and Structure-borne Noise)
- **Accelerated Ageing** (inc. Salt fog and UV)
- **Design and consulting** (inc. EMC and Test Fixtures)

**SOME OF THE DEFENCE TEST STANDARDS WE OFFER:**

- |                   |                   |
|-------------------|-------------------|
| • MIL-STD-461*    | • DEF-STAN 00-35* |
| • MIL-STD-810G*   | • MIL-STD-883*    |
| • MIL-STD-167-1A* | • MIL-HDBK-2036*  |
| • MIL-STD-202G*   | • RTCA/DO-160*    |
- \* including previous versions

Sydney | Melbourne | Adelaide

[www.austest.com.au](http://www.austest.com.au) [austest@austest.com.au](mailto:austest@austest.com.au)

**▶ AIDN-Vic MEMBERS' NEWS**



Our friends at the Australian + New Zealand Defence Directory remind us that they are happy to hear from any AIDN members who wish to take advantage of a free listing on the key capability document of Australasian defence.

Support your company directly onto the DRN defence server, NZ's equivalent and directly into the supply environments of the

'Primes'. Standing 15% AIDN member discount applies to all enhanced support placements.

For inclusive support options please contact

[sales@austandnzdefence.com](mailto:sales@austandnzdefence.com)

Kynan Bolger (Product Manager) on 0434 618 451 or visit [www.defence.directory](http://www.defence.directory)

## **BMT DESIGN AND TECHNOLOGY CELEBRATES 10 YEARS**

On 2 February BMT Design and Technology celebrated its 10th Birthday. Established in 2005, BMT Design and Technology has grown to be one of Australia's leading independent Defence and Maritime consultancies.

Drawing on the pedigree of BMT, a leading international design, engineering, science and risk management consultancy, BMT Design and Technology was established as an Australian company to support the Australian naval and maritime sectors. Over the last 10 years BMT Design and Technology has grown a reputable indigenous capability structured to meet the technical challenges of Australia's current and future naval fleet.

Managing Director Gordon MacDonald says "Our approach has always been to grow a highly skilled and experienced Australian capability to deliver consistently world-class service to Defence. We maintain stringent quality standards and focus our recruiting on the very best engineers we can find and develop their careers to align with the competence necessary to support the ADF."

BMT Design and Technology currently has offices in Melbourne and Canberra and is supporting a range of Defence and commercial maritime programs. For further information on the services BMT Design and Technology can provide, please contact +61 3 8620 6180.

## **CABLEX ANNOUNCED AS KEY SUPPLIER TO HAWKEI LAND-VEHICLE PROJECT**

Thales has recently announced the appointment of Cablex as a key supplier to the Australian Defence Force Hawkei land-vehicle project, touted as the next generation in protected mobility vehicles for international combat.

Cablex has commenced work with Thales to build the electrical harnesses for the Hawkei land-vehicle and will be the preferred supplier for the cabling components and harnesses within the vehicle. Cablex is also supporting Thales to refine and enhance the vehicle's harness design, and to help identify savings and maximise performance advantages for the production of a superior, more innovative vehicle for the Australian Defence Force.

Cablex are aware of the complexity of the project and are committed to supporting the build of the vehicle that can meet the needs of the challenges faced by improvised explosive devices, mines and or small arms ambushes that occur out in the field.

"This vehicle is extremely challenging project, but at Cablex we have all the experience and expertise to produce a world-class offering for the Australian Defence Force. We have had previous experience in major defence projects, particularly within the high-tech aerospace engineering and procurement environment. Australian manufacturing suppliers possess highly transferrable skills, they come from varying sectors and they can utilise these skills to create an innovative solution – one that is customised to the environment, which meets the challenges that the Australian Defence force have out in the field" says Heidi Krebs, Chief Operating Officer of Cablex."

## **AMANDA HOLT APPOINTED CEO OF SYPAQ SYSTEMS**

SYPAQ Systems Pty Ltd (SYPAQ) is proud to announce that it has appointed Amanda Holt as Chief Executive Officer. Mrs Holt replaces David Vicino, who, after 15 years at the helm of SYPAQ Systems, has become Managing Director of the SYPAQ group of companies.

Mrs Holt joined SYPAQ in 2007 as a Consulting Engineer and after leading several successful assignments, was ultimately promoted to her most recent role of General Manager, Defence & Aerospace; growing that business unit to become SYPAQ's largest and most successful.

This appointment coincides with a change to SYPAQ Systems' structure, focused on aligning their growing industry and domain specific Consulting and Managed Services practices as well as catering for the ongoing growth of SYPAQ's Sensors and Surveillance division.

These changes, whilst generating economies of scale for SYPAQ Systems, will also allow the SYPAQ Group to implement its international growth strategy, focusing on new sectors, services and locations throughout the world, illustrated by SYPAQ's rapid growth in Asia since the July 2014 inception of SYPAQ Business Partners, based in Singapore.

In a statement to staff, Mr Vicino said, "Over the last few years we've worked tirelessly to position ourselves as a trusted partner to our customers by exceeding expectations and delivering practical outcomes and solutions to their challenging and complex problems. Now, more than ever, those deep established relationships have placed us in a privileged position that will allow us to take the next step in our growth and evolution."

Regarding the appointment of Mrs Holt to CEO, Mr Vicino, went on to say, "Every great team is defined by its leaders and to that end, as of 1st January 2015, Amanda Holt will assume the role of Chief Executive Officer for SYPAQ Systems. Mandy has been with SYPAQ since 2007 and in that time has proven herself time and time again as a professional of the highest order in every sense, including technical skills, business acumen, integrity, honesty, commitment, work ethic, strategic focus, leadership and customer focus. For quite some time I have considered Mandy to be my natural successor and I can say with supreme confidence that under Mandy's stewardship the business could not be in better hands."

## **BMT Design & Technology Celebrates 10 Years**

BMT Design & Technology (BMT D&T), a subsidiary of BMT Group Ltd, the leading international maritime design, engineering and risk management consultancy, is celebrating 10 years in business this month. Established in 2005, BMT D&T is recognised as one of Australia's leading independent Defence and Maritime consultancies.

Drawing on the pedigree of BMT Group, BMT D&T was established to help support the Australian naval and maritime sectors. Over the last 10 years, the company has developed a reputable indigenous capability, structured to meet the technical challenges of Australia's current and future naval fleet.

To meet its customers' requirements, BMT Design & Technology has, over the years partnered with other BMT companies and many local Australian businesses and consulting firms. This teaming approach has ensured consistent, value for money solutions with an optimum mix of skill sets and experience being made available to the customer.

Managing Director of BMT Design & Technology, Gordon MacDonald says: "Our approach has always been to grow a highly skilled and experienced Australian capability and deliver a world-class service to the Defence industry. We maintain stringent quality standards focusing our attention on recruiting the very best engineers, helping them to develop their careers to align with the competence necessary to support the ADF."

This approach has led to significant pieces of work being won by BMT. In 2012, it oversaw the delivery of the Coles Review, which involved the examination of all commercial, operational, sustainment and management issues around the Collins Class submarine and proposed initiatives to improve performance. In FY11\_12, the team also undertook Life of Type extension, risk and financial assessments for all Royal Australian Navy Surface fleet classes, providing the knowledge necessary to make future fleet program decisions.

Other major pieces of work include: supporting the platform systems elements of the technical and logistic evaluation of tenders for Air Warfare Destroyer program; providing significant Safety Management services for the Landing Helicopter Dock and Landing Helicopter Dock Watercraft acquisition programs, as well as leading the double hulling of HMAS SUCCESS from concept design through to design for production and supporting the subsequent refit in Singapore.

Over its 10 years, the company has also delivered 13 of its reputable Submarine Engineering and Design Course to engineers based in Australia, reinforcing its commitment to further developing local capability.

BMT Group Sector Director for Defence, David Bright says: "Delivering 10 years of sustained success in Australia is a great achievement. The team's commitment to training local people to world-class standards has unquestionably contributed to this achievement."

BMT Design & Technology currently has offices in Melbourne and Canberra and continues to support a range of Defence and commercial maritime programs.



## THALES TO SECURE CRITICAL STEP FOR OneSKY DELIVERY

Thales has been chosen to commence work with Airservices Australia and the Department of Defence on the development of Australia's OneSKY program, integrating civil and military air traffic control into a single and harmonised ATM system.

Thales has entered into an Advanced Work contract arrangement which is the critical initial step for the delivery of the OneSKY program. This will help enable the delivery of a state of the art system that will bring further improvements to the already safe and efficient movement of millions of passengers in Australia every year.

The system will achieve world's best practice, incorporating advanced technologies to manage predicted future increases in air traffic volumes. For the first time in global history, one company will provide a truly integrated large-scale single system for civil and defence purposes.

Thales Australia CEO Chris Jenkins said: "This is an essential first step for the delivery of an important piece of national infrastructure that will ensure the continued safe and efficient management of our skies.

"Thales has worked closely with Airservices over many years in delivering the current system, but as that reaches the end of its operational lifecycle we will use our experience to implement new technologies that will make life easier for air traffic controllers and airline operators.

"We are also excited to be working with Defence towards delivering a truly efficient integrated air traffic management system for all Australian airspace users – everyone from fighter pilots to the weekly commuter.

"Additionally, to secure this Advanced Work contract we worked very closely with our partners Frequentis and Boeing Defence Australia, whose extensive military aviation expertise enabled a comprehensive offering ideally suited to local conditions.

"Thales is dedicated to its long-term investment in Australia – building skills and innovating across a wide range of advanced systems for transport, security and defence."

Thales's highly skilled personnel and world-leading research facilities at its Melbourne centre of air traffic management excellence are backed by the resources of the global Thales group, which recently secured a large scale military air traffic control contract in the UK.

Thales Australia has also delivered the world's most advanced air traffic control system to Singapore, which became fully operational in 2013.

The Thales TopSky-ATC system is in service in over 130 of the busiest air traffic control centres in the world, making it the most successful air traffic management system for congested airspaces.

Featuring significant levels of automation and sophistication, the technology and operational concepts of the TopSky-ATC system enable quicker landings while enabling outbound traffic to continue on safely without delay, reducing both flight time and emissions.

## RUAG SIGNS MAHUSS CONTRACT WITH AUSTRALIAN DEFENCE MATERIEL ORGANISATION

DMO has awarded a multi-million dollar performance based contract to RUAG Aviation for Multi-Aircraft Hydraulic and Undercarriage Systems Support (MAHUSS).

As a prime contractor, RUAG will provide maintenance solutions for the flight control and hydraulic systems for the Classic Hornet (F/A-18A/B) and the AP-3C Orion fleets of the Australian Defence Force (ADF).

In addition, the contractor will also provide maintenance, repair, and overhaul (MRO) services for the CH-47 Chinook and S-70B Seahawk fleets.

Work under the contract will be carried out at recently rebranded RUAG Australia's facilities in Victoria and Queensland.

This four-year multi-million dollar defence contract has been awarded in February 2015.

Austral christened USNS Trenton (JHSV 5) last week at its shipyard in Mobile, Alabama. USNS Trenton is the fifth of 10 Joint High Speed Vessels (JHSV) that Austral has under contract with the US Navy as part of an overall 10-ship block-buy contract worth over US\$1.6 billion.

The 338-foot catamaran vessel was named Trenton by Secretary of the Navy Ray Mabus, after the capital of the state of New Jersey and the site of George Washington's first military victory during the American Revolutionary War. , Trenton will soon join the four other JHSVs which have been delivered over the last two years including USNS Spearhead (JHSV 1) which recently left on her second deployment since she was delivered in 2012. According to Secretary Mabus, "Trenton and her sister ships are innovative ships with incredible amounts of speed, volume and flexibility for their size; capabilities the Navy will be able to leverage for decades to come."

He continued, "The success of the program is the direct result of the hard work and dedication of so many incredible shipbuilding professionals here at Austral – the best I've ever worked with."

Three JHSVs and six Littoral Combat Ships (LCS) are currently under construction in Austral's Mobile, Alabama shipyard. Austral will launch one ship and send JHSV 5, out on Builder's Sea Trials in the Gulf before the end of January.

For the LCS and JHSV programs, Austral, as prime contractor, is teamed with General Dynamics Mission Systems, a business unit of General Dynamics. For the JHSV program, General Dynamics is responsible for the design, integration and testing of the navigation and communication systems, C4I and aviation systems. [Courtesy of ADM](#)

## ▶ DEFENCE INDUSTRY NEWS



*An Australian Airbus KC-30A refuels a mix of Boeing Hornets and Super Hornet over the Northern Territory.*

### AUSTRALIAN AIR TANKER'S UNIQUE CAPABILITIES ASSIST FIGHTERS IN MIDDLE EAST

Additional communication equipment installed in the Royal Australian Air Force's Airbus KC-30A MRTT has increased its capability in the Middle East. The Australian aircraft has more radios than other tankers operating in the region which allows it to keep in touch with communications of the fighter aircraft attacking ISIL targets.

In one of the Australian Defence Department's irregular briefings to the Canberra media on its operations (Operation Okra) against ISIL terrorists in the Middle East Vice Admiral David Johnstone, the chief of joint operations, said it enables the aircraft to position to where a particular ground offensive is occurring and where, through its radios, they can envisage the air effect being applied.

This means they can position over the top of a particular activity close to the strike aircraft which can come off target to immediately refuel instead of transiting perhaps 30 minutes back to a normal tanking corridor.

VA Johnstone said: "They're finding that they've got a tanking aircraft sitting directly above them." The KC-30A tanker, the biggest aircraft to serve in the Australian air force, has extended its "customer base" of fighters to which it serves fuel over Iraq from the six Australian F/A-18F Super Hornets to aircraft from other nations operating in the area.

Photographs distributed from the Australian defence media offices show the KC-30A has also refueled French Air Force Dassault Rafales, Canadian Air Force CF-18s, Royal Air Force Tornado GR4s, US Marine Corps AV-8 Harriers IIs as well as US Navy Boeing EA-18G Growlers, Boeing F/A-18F Super Hornets and Boeing 'classic' F/A-18C Hornets. Courtesy Asia Pacific Aerospace Report

### SMALL ARMS DETECTION FOR MILDS

The Airbus MILDS missile approach warning system used on Australia's Tiger and MRH90 helicopters can now also detect small arms fire, thanks to a joint project between Defence Science and Technology Organisation (DSTO) and Airbus Defence and Space.

The MILDS AN/AAR-60 Block II system uses four to five uncooled ultra violet sensors to detect missile exhaust plumes, tracking up to eight targets simultaneously.

Through a software application the Airbus/DSTO team has now added the small arms Hostile Fire Indication (HFI) ability, with the algorithms tested successfully in field trials.

The modification is software only, with no additional equipment needed.

Airbus says the system's extremely high resolution and rapid processing enable reliable threat identification and virtually eliminate false alarms.

Operating the UV spectrum sidesteps the limitations of other warning technologies such as infra red.

With more than 8,000 sensors sold, Airbus describes MILDS as "the standard missile approach warning system outside the United States."

It is in service aboard rotary wing and wide-body aircraft, including Tiger, NH90, CH-53, CH-47 and MI-17 helicopters and C-130 transport aircraft.

specific fighter version – MILDS F – is in service with the Royal Danish Airforce and Royal Norwegian Airforce F-16 fighters.  
[Courtesy of ADM](#)

## CHIEF OF AIR FORCE LAUNCHES PLAN JERICO

Chief of Air Force Air Marshal Geoff Brown has officially launched Plan Jericho, the new RAAF modernisation plan that seeks to make the most of the 5th generation technology the organisation is bringing online.

Speaking at the CAF Symposium the day before the Avalon Air Show began, AIRMSHL Brown explained that the plan was about so much more than the introduction of the JSF.

"It is about much more than all of our aircraft and platforms.

It is about root and branch transformation," AIRMSHL Brown told the audience.

"It will affect the way we train; the way we fight; and the way we sustain ourselves.

We must also transform our relationship with industry to ensure we procure and innovate in alignment with the breathtaking speed at that technological change is occurring in the Information Age."

In setting the scene for Plan Jericho, there was an acknowledgment of what RAAF has achieved over the past few decades and the conclusion that what lay ahead is anyone's guess.

"The future geo-political context in which air power is to be employed will be at least as complex as the era through which we have just passed.

We will almost certainly experience more extreme climate events, especially in the archipelagos to our north.

We will likely see a proliferation of other non-traditional threats, such as illegal people movements and epidemics, as globalization and demographic and climate pressures intensify."

Plan Jericho outlines the transformation in thinking that the RAAF and indeed the wider ADF will need to embrace as it moves past the era of platforms and into the era of information.

"I really like the phrase "The F35 replaces nothing - yet it changes everything," AIRMSHL Brown reflected.

"Each of our new platforms will give us a formidable amount of ISR and lethality.

But the real challenge is to link them in real time so that the copious amounts of information they can gather can be available across our entire force.

When that happens- and it will- Air Force can truly claim to be 'system of systems.'

A 5th Generation-enabled force with vastly improved situational awareness and the ability to operate as an integrated team.

That must be our goal."

Interestingly, implementation of the program has been put in the hands of two group captains Jake Campbell and Rob Chipman who will lead the program throughout their careers, regardless of rank or posting.

"They, supported by a small team of WGCDRs and SNCOs, will form a peer level network across the Air Force to design and implement Jericho," AIRMSHL Brown outlined.

"The idea is that, as they and their peers continue in their careers, they will be responsible as a team to implement and adapt the plan they developed, regardless of the post they fill.

"So, rather than one or perhaps two star ranked officers designing the change only to have it stall when they are posted from their jobs or retire, we will empower the future leadership of our Air Force to own the change program for the remainder of their careers." [Courtesy of ADM](#)

The plan is available at [www.airforce.gov.au/PlanJericho](http://www.airforce.gov.au/PlanJericho)

## **BOEING, ROYAL AUSTRALIAN AIR FORCE TEST EXTENDED RANGE WEAPON**

The Boeing Joint Direct Attack Munition Extended Range (JDAM ER) demonstrated significant range increase while maintaining its expected accuracy during flight testing conducted by Boeing and the Royal Australian Air Force (RAAF).

The testing centered on a new wing kit that, when used in conjunction with the weapon's guidance kit, increases the bomb's range from approximately 15 miles (24 kilometres) to more than 45 miles (72 kilometres), as shown during tests above the Woomera Test Range in Australia.

"The JDAM ER wing kit takes advantage of the conventional JDAM aircraft interface and Small Diameter Bomb glide technology," said Beth Kluba, vice president, Boeing Weapons and Missile Systems. "This keeps integration, development and sustainment costs low while bringing customers the range increase needed to neutralize current and future threats."

The 500-pound (227-kilogram) winged JDAM, jointly developed by Boeing and Australia's Defence Science and Technology Organisation, was dropped from RAAF F/A-18 Classic Hornets from altitudes ranging from 40,000 feet (12,190 metres) down to 10,000 feet (3,048 metres). The weapon deployed its wing kit successfully during each test and flew to a pre-determined aim point, impacting within meters of its target.

"The extended range wing kit will allow the Australian Defence Force to employ JDAM more flexibly and safely in the target area," said Rear Adm. Tony Dalton, responsible for the acquisition of Guided Weapons in Australia. "Additionally, the program also stands to significantly benefit local Australian industry."

Boeing will produce and integrate JDAM ER wing kits for the RAAF under a contract awarded in 2011. Following additional flight and certification testing, production and initial deliveries of JDAM ER to the RAAF are planned for 2015.

Ferra Engineering supplies major sub-assemblies for the JDAM ER modular wing kit to Boeing from its facility in Brisbane, Australia.

JDAM is a low-cost guidance kit that converts existing unguided bombs into near-precision weapons. Including the JDAM ER wing kit, Boeing designed JDAM technology to accept a variety of upgrades such as a laser sensor, improved immunity to GPS jamming, and an all-weather radar sensor. Boeing has built more than 260,000 JDAM tail kits in its St. Charles, Mo., facility since production started in 1998. JDAM is used by 27 international militaries.

## **DSTO AND AIRBUS GROUP FORM STRATEGIC ALLIANCE**

DSTO has formed a new strategic alliance with Airbus Group Australia Pacific Ltd (AGAP). The agreement was signed in an inaugural alliance management committee meeting during the Australian International Air Show at Avalon.

The alliance will see the two organisations work closely together on a range of research and development projects related to aerospace defence technologies. In particular, it will facilitate collaboration between DSTO and the Airbus Group in defence aircraft systems (including helicopters) and communications.

Initially it will focus on maximising the capability of ADF aerospace fleets throughout their service life, and on improving communications capability. Chief Defence Scientist, Dr Alex Zelinsky, said the alliance is a further step forward in strengthening the ADF's aerospace capabilities. "Our collaboration with Airbus Group will ensure the highest levels of support for the ADF's future aerospace systems," Dr Zelinsky said. Airbus Group Australia Pacific Managing Director, Dr Jens Goennemann, said the partnership is an exciting initiative for both organisations. "I'm delighted to formalise our relationship with the world-respected DSTO.

Airbus Group has been good friends and business partners with DSTO for a long time and this strategic alliance can only

enhance that successful relationship. "Combining Airbus Group's aerospace expertise with DSTO's scientific innovation will lead to increased Australian defence capabilities in the future," Dr Goennemann added.

## 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 for assistance with registration.

### **Aerospace Environmental Working Group (AEWG)**

The AEWG was held on Thursday 26 February 2015 in conjunction with the Avalon Air Show 2015. The date for the next meeting will be advised when known.

### **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 was held 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 will take place from 10:00am to 2.30pm on Thursday 12th March 2015 in Canberra at University House at the ANU.

## ▶ GENERAL NEWS

### PERSONNEL CHANGES

Warren King has decided to cease duty as the chief executive officer (CEO) of the Defence Materiel Organisation (DMO) effective from Friday 27 February, Secretary of the Department of Defence Dennis Richardson announced on Wednesday 25 Feb.

King is preparing to undertake other duties elsewhere within the Department of Defence for "a period of time" before he retires completely from the Australian Public Service, Richardson wrote in a Department-wide email.

Harry Dunstall, the DMO's general manager commercial and deputy CEO, will play the role of acting chief executive as of the close of business on Friday 27 Feb.

Quickstep Holdings Limited the manufacturer of high-grade carbon fibre composite components, recently announced the appointment of Mr Tim Olding as VP Systems.

Rob Hawketts has joined KBR Australia in the role of Vice President Government Services, Asia Pacific, and will have overall responsibility for KBR's defence and government business in the Asia Pacific region. Rob brings over 30 years of experience to the position from across a broad range of appointments in project and engineering services industries.

Noventus Appoints Sam Cowlshaw as Australian Operations Manager. Sam previously worked for Lockheed Martin Australia, Thales Australia and Kaz / Fujitsu on projects for various clients including Defence Material Organisation; Department of Broadband, Communications and the Digital Economy; Defence Chief Information Officers Group, and the Australian Reward Investment Alliance.

Robert Riede has recently joined the Broens team as Sales Engineer for aerospace & defence. Having graduated as an Electrical Engineer Robert has spent the last 15 years in a combination of sales/engineering roles within the aerospace & defence industry.

### AIRBUS NAMES NEW MILITARY AIRCRAFT HEAD

Airbus Defence and Space has named Fernando Alonso as the new Head of Military Aircraft, replacing Domingo Ureña-Raso, who will take a new position in the group. Fernando Alonso has served as Head of Flight Test Operations at Airbus since 2007.

In addition to the top management changes, Airbus has said that the A400M programme will be restructured, with the changes designed to allow more efficient operations inside the Airbus Defence and Space Division and to put the A400M programme as well as its industrialisation in a position to best address currently existing shortfalls.

The company also announced that responsibility for all industrial-related activities is being shifted to the Operations organisation, which is led by PilarAlbiac-Murillo. Programme-related activities such as development and customer deliveries will remain in the scope of the Military Aircraft business unit, under the lead of Rafael Tentor, who serves as Head of the A400M programme. [Courtesy of ADM](#)

## AUSTRALIAN MILITARY'S NEW EC135T2+ TRAINING HELICOPTER TAKES TO AIR

The first EC135T2+ helicopter in a planned fleet of modern, twin-engine, rotary-wing aircraft being acquired by the Australian Defence Force (ADF) for its new Helicopter Aircrew Training System (HATS), has successfully completed its first flight in Europe.

Under the HATS project, a joint training scheme for both Army and Navy, aircrew will utilise some 15 Airbus Helicopters EC135T2+ trainers, along with EC135 flight simulators and a new flightdeck equipped, sea-going training vessel.

Boeing Defence Australia (BDA) is the prime contractor for the new training system, partnered by Thales Australia which will provide the flight simulators.

The first EC135T2+ (Serial Nbr.1179) took off from the Airbus Helicopters production site in Donauwörth, Germany, where the helicopter was assembled. [Courtesy of ADM](#)

## ▶ UPCOMING ACTIVITIES

### Australia's Future Submarine

DATE: 25 March 2015, Adelaide Convention Centre

ENQUIRIES: Mark Ryan

EMAIL: [mrryan@adam.com.au](mailto:mrryan@adam.com.au)

WEB: <https://www.rusi.org.au/index.php>

In a contribution to National Debate on the Future Australian Submarine Project, Royal United Services Institute (RUSI) National President, Air Vice-Marshal Brent Espeland (Rtd), is calling for debate on building the next generation submarines in Australia and has called for a National Conference to air the issues.

Further information: Organised by RUSI.

### PACIFIC 2015 6 - 8 October 2015, Sydney

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

The PACIFIC 2015 International Maritime and Naval Exposition is a

### Australia's Future Surface Fleet Conference

DATE: 30 March – 1 April 2015 Hyatt Hotel, Canberra

ENQUIRIES: Lynne Gozzard

e. [lynnegozzard@aspi.org.au](mailto:lynnegozzard@aspi.org.au)

tel 02 6270 5109

WEB: [www.aspi.org.au](http://www.aspi.org.au)

Join distinguished international and Australian speakers for two days of debate on Australia's Future Surface Fleet.

### MilCIS 2015

DATE: 10-12 November 2015, Canberra

WEB: [www.milcis.com.au](http://www.milcis.com.au)

### ADM Cyber Security Summit

DATE: 16-17 June 2015, Canberra

ENQUIRIES: ADM Events – Adam Wiltshire

TEL: 02 9080 4321

EMAIL: [adam.wiltshire@informa.com.au](mailto:adam.wiltshire@informa.com.au)

WEB: [www.admevents.com.au](http://www.admevents.com.au)

Advance notice. Full details will be released closer to the event.

### New Zealand Defence Industry Association Forum

DATE: 17 – 18 November 2015

LOCATION: TSB Arena/Shed 6 complex, Wellington, New Zealand

unique marketing, promotional and networking forum. Scheduled to coincide with the Royal Australian Navy's annual Navy Week celebrations, PACIFIC 2015 will be a comprehensive showcase of the latest developments in naval, underwater and commercial maritime technology.

MilCIS is a unique opportunity for those investing in government and military communications and information systems.

The conference facilitates a continuing dialogue between Department of Defence employees, contractors, industry and researchers to discuss current and developing technological capabilities, project initiatives, and operational requirements.

CONTACT: [contact@nzdia.co.nz](mailto:contact@nzdia.co.nz)

## AIDN ACTIVITIES LIST FOR 2015

<b>March</b>	10	Toyota Lean Design approach - over a Lean Manufacturing approach	AIDN-Vic
	12	Laserbond, Smeaton Grange	AIDN-NSW
	18	VDA-Land – Land Briefing with Primes	AIDN-Vic
	26	Matrix networking breakfast	AIDN-Vic
<b>April</b>	17	VDA-Maritime update briefing	AIDN-Vic
	23	Rockwell Collins Australia, Lane Cove	AIDN-NSW
<b>June</b>	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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