



NATIONAL NEWSLETTER No 3 of 2015

Quote of the month

"If you can't explain it simply, you don't understand it well enough."

- **Albert Einstein**

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AIDN NATIONAL NEWS

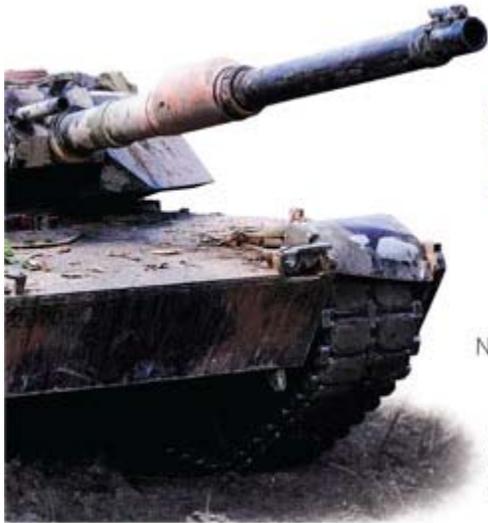
The AIDN National office has been very busy lately with the release of the tender for Land 400 Phase 2 - Mounted Combat Reconnaissance Capability. AIDN is working closely with the DMO to maximise the Australian Industry content in this project.

The tender was also released for the Pacific Patrol Boat Replacement ProjectSEA3036 Phase 1.

The Government has SEA 1000 Future Submarines commenced with a competitive evaluation process with France, Germany and Japan. AIDN is part of the Defence/Industry group to develop a SEA 1000 Industrial Engagement Strategy.

With all of the above activity around major projects it is important for AIDN members to set the right alerts for the Project Information in the AIDN Extranet. A large amount of information is posted on the Extranet around all major projects and may not be sent out via email, so don't miss out on vital defence information.

Everyone at AIDN wishes you and your family a Happy Easter and safe travels during the holiday season.



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▶ AIDN-New South Wales

MESSAGE FROM THE PRESIDENT

Hello from the NSW chapter,

This month we have been in a holding pattern waiting for the NSW Govt Election to decide the way forward for us on that front, and with Defence on the First Principles Review and White Paper.

During this lull, we have been looking to improve the running of the organisation by changing financial management.

We have also been asking you to consolidate your capability information with us related to a number of projects and opportunities, not the least of which is as part of an Australia-wide database on submarine capability. We recognise the effort you put into providing this information and believe it is worthwhile in showcasing our overall capabilities to potential customers.

Your information has already been used to provide the AIR7000 project with unmanned air capability in Australia in a session with a number of industry associations, and more general unmanned capability to the DMO's Industry Division.

Finally, I had the opportunity to attend a function in Canberra with a number of Israeli companies looking to team here. These functions were held in Adelaide, Melbourne and jointly in Canberra between AIDN-ACT and AIDN-NSW.

I look forward to seeing you at the Rockwell Collins breakfast after Easter. I trust that will be a safe holiday for you.

Regards,

Medhat Wassef

NSW President

MARCH BREAKFAST – 12th MARCH LASERBOND

Some 30 people attended at Laserbond where the company showcased their advanced surface engineering capability to reduce maintenance and operating costs by reclamation of high-cost parts.

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:

[Click Here](#)

EXECUTIVE COMMITTEE MEETINGS

- Your committee met on 12th March. 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 the Accountant preparing accounts for the auditor (subsequently completed)
- The online payment facility should be running soon.
- Administration officer contract being updated
- AIDN NSW information in the Australian Business Register to be updated

▶ AIDN-NSW MEMBERS' NEWS

NSW member and Platinum Dinner Sponsor Thales Australia has announced that it is teaming with General Dynamics Land Systems for the Land 400 ASLAV replacement vehicle.

Thales Australia held a successful and informative Maritime and Aerospace industry engagement day on 27th March at its Olympic Park headquarters.

Thales has also been chosen to work with Airservices Australia and Defence on the OneSky program to integrate military and civilian air traffic control.



▶ AIDN-Northern Territory

AIDN-NT DEFENCE SUPPORT INDUSTRY WELCOME RECEPTION MONDAY, 16TH MARCH

AIDN-NT hosted a Welcome Reception on Monday, March 16th for all Defence Support Industry stakeholders and participants. The goal of the activity was to bring together industry, Defence and Government representatives in the spirit of collaboration and relationship development that will be essential for the continued development and growth of Defence industry in the Northern Territory. AIDN-NT aims to foster these relationships and develop a true Defence Industry community which works together to achieve the best outcomes for our region. The Welcome Reception was the first step in AIDN-NT's goal of maturing and advancing the needs and goals of the Defence Support Industry as a whole and introducing the new AIDN executive board members for 2015.

Invited guests included the Minister for Defence Industries, the Honourable Peter Styles, AIDN National President Mr Alan Rankins, senior Defence officers, the new Commanding Officer JLU-N, Serco senior management, Senior EMOS Manager Transfield Services and industry representatives.

AIDN-NT UPCOMING EVENTS:

Defence Industry Briefing Breakfast - Thursday, April 9:

With the awarding of national Defence EMOS contract in late 2014 Transfield Services will provide Estate Maintenance and

Operation Services (EMOS) including estate upkeep and land management, Hospitality and Catering to Defence bases nationally and across the Territory.

AIDN-NT has invited Ms Kathy Morgan, the Northern Territory EMOS Manager for Transfield to present to industry about Transfield, its supplier network and how to become a vendor for both Defence and other industry opportunities.

Booking Details:

(Please note that payment must be made prior to the event and full refund on cancellations up to 48 hrs prior)

Please book your seat no later than Tuesday, 7th April using the below link.

EventBrite: [Click Here](#)

October 2015

North Australian Defence Summit - 28 & 29 October

AIDN-NT Gala Dinner – Wednesday, 28 October.



▶ AIDN-NT NEW MEMBERS



Custom Fluidpower

If you are looking for hydraulic solutions backed by excellent customer service and technical support, look no further.

Custom Fluidpower has over 20 years' experience in applying innovative solutions to hydraulic applications.

Custom Fluidpower offers hydraulic, pneumatic, filtration and lubrication product sales along with complete system design, installation and commissioning, and service and repairs.

Our technical capabilities allow us to deliver a complete service to our customers from consultation, through to design manufacture, installation commissioning and support.



Duratec Australia Pty Ltd

Duratec Australia Pty Ltd is a Western Australian based company that specialises in the protection and remediation of steel and concrete structures.

Incorporated in May 2010, our team comprises specialist remediation engineers and contracting professionals who have worked in this industry for many years.

Our vision is to be a respected, specialist remedial and protection contracting company providing technological, innovative solutions which lead to mutually rewarding value to our business partners. Our focus markets include mining and resources, oil and gas, water and wastewater, marine, civil infrastructure and high-rise commercial and residential buildings.

Our professional services are provided on both new construction projects and remediation of existing assets.

Duratec is part of the Ertech Holdings. The complementary association of the group of companies provide a value-added package and one stop solution in major infrastructure construction and rehabilitation.



Helping People Achieve

HPA - Helping People Achieve is a non government organisation that provides services to Territorians with physical and intellectual challenges in Darwin and the Palmerston/rural area.

The aim of HPA's employment service is to create and develop employment opportunities for people with disabilities in integrated settings and provide the training and ongoing support necessary for those people to succeed in paid employment. This is accomplished by operating small business that include people with disabilities amongst their employees and by developing support models which enable people with disabilities to access a broader range of jobs in the general workforce.

Our mission is to assist people with physical and intellectual challenges to achieve their full potential.



H. Troon Pty Ltd

H. Troon Pty Ltd is a 145 year old company that continues to be managed 'hands-on' by the Troon family, presently by fourth generation family member, Steven. The company consistently turns over in excess of \$180 million of construction work per year and directly employs over 85 construction professionals.

Operating its own structural steel fabrication facility, the company has the ability to turn over approximately 30 tonne of fabricated steel work each day and has been fabricating steel for over 50 years.

Over the past 10 years H. Troon has procured 50 percent of its annual turnover via a design and construct delivery model.

H. Troon look forward to being of assistance to your team and assures you of our utmost attention.



Nilsen

An Electro-technology company operating throughout Australia to deliver installation, maintenance and manufacturing services from inception to replacement. With over 90 years of continuous service in the electrical industry, Nilsen maintains the traditions on which the company was built: Service, Reliability and Quality.

Nilsen has offices in all mainland Australian capital cities. Nilsen's capabilities in electro-technology cover:

- Electrical, electronic, control, data and communication contracting
- Comprehensive installation, commissioning, preventive maintenance and repair services
- Infrastructure installation, commissioning, maintenance and repair services
- Design and manufacture of high voltage, medium voltage and low voltage switchboards
- Design and manufacture of motor control centres
- Programming, installation and commissioning of control equipment including PLCs
- Mission-critical uninterruptible power supply systems, standby and auxiliary power generation
- Energy management, lighting control, tri-generation

Nilsen has sophisticated design engineering, quantity estimating, strategic planning, financial stability and resources to undertake the largest of commercial, industrial, health, mining, defence and government projects.

NEW STRATEGIC DIRECTION FOR DEFENCE

The Giles Government has appointed a new Strategic Defence Advisory Board to help ensure the Northern Territory is making the most of future Defence opportunities.

"Defence is already a significant contributor to the Northern Territory economy, adding \$1.5 billion or almost 7 per cent of gross state product last financial year. I want to see this grow even further," Chief Minister Adam Giles said.

"The Federal Government has just confirmed there are more than \$600 million worth of federal Defence projects on the table over the next five years and we expect more will be announced in the near future.

"I want to make sure we are fully prepared to take advantage of these opportunities for economic growth and job creation after INPEX and beyond.

"The new Defence Advisory Board will guide us in this work, assisting in the development of an over arching Strategy for Defence in the Northern Territory."

The Board is made up of two recently retired senior military officers from Australia and Indonesia, as well as a leading Commonwealth Defence employee.

- Major General (Ret) Tim McOwan AO, DSC, CSM (Aust)
- Air Marshal (Ret) Eris Herryanto (Indon)
- Carmel McGregor, PSM (Aust)

"The Northern Territory is growing as a strategic gateway and mounting base for operations in the Asia Pacific region and as such we have given the Board a regional flavour," Mr Giles said.

"These eminent experts will be tasked with identifying future opportunities, giving advice on promoting capability for local Defence industries, as well as outlining how the Territory can best influence future Federal Government Defence industry planning."

Board members are appointed for a two year term. The group will meet for the first time tomorrow.

"The Northern Territory will be an exciting place to be in coming years with a number of large Defence Infrastructure projects, opportunities for the Defence Industry and a growing US presence in coming years," Major General Tim McOwan said.

"The Board and Strategy will ensure the NT has a seat at the table and is well positioned to make the most of the future infrastructure and Defence industry opportunities."

Major General (Ret) Tim McOwan AO, DSC, CSM (Aust)

One of Australia's most admired and decorated senior officers, Major General McOwan recently retired after three years as Head Australian Defence Staff, Washington DC. He is a former Special Operations Commander Australia and Commanding Officer of the SAS Regiment. He was intimately involved in the high level negotiations that brought the US Marines to the Northern Territory.

Air Marshal (Ret) Eris Herryanto (Indon)

Pak Eris retired two years ago as Indonesia's Secretary of Defence. Pak Eris is also a graduate of Australia's Centre for Defence and Strategic Studies in Canberra. He is currently Deputy Head of Indonesia's Defence Industry Policy Committee, which is situated within the Ministry of Defence.

Mrs Camel McGregor, PSM (Aust)

Ms McGregor recently retired as Deputy Secretary in charge of People Group in Defence. She is held in universally high regard and her wide Canberra public service background, experience and profile will afford a broader resource to the Northern Territory Government than just Defence.

▶ AIDN-QLD NEW MEMBERS



Shine Precision Industries Pty Ltd

We are a fast growing business, with 8 CNC Machines currently on the shop floor, we have doubled our factory size, and will be extending again in the near future to fulfill further plans for growth, with the purchase of more state of the art CNC Machines. Our extensive manufacturing facility boasts CNC Turning , with Mill turning facility and CNC Machining Centres with 4th axis capabilities, and our latest machine being a dual table palletised machine high spindle speed machining centre. We are also capable of doing light fabrication work, bending, forming of smaller components, assemblies and engraving.

We have been supplying many industries including : Mining, Aerospace, Medical and Pharmaceutical Equipment, Manufacturing and Hospitality Equipment, Food Components, Marine, Automotive , Construction, Robotics, Scientific, Electrical, Petrochemical and Telecommunications.

The company has expertise across a wide range of materials. This includes: stainless steel, tool steel, mild steel, titanium, aluminium, other alloys, plastics and nylon, amongst others.

Incorporating established local and global supply chains.

Please contact:

Ian Boileau

Managing Director

Phone: +617 3488 2006

shine.industries@live.com.au

▶ AIDN-Qld MEMBERS' NEWS



CONNECTOR-TECH ALS ANNOUNCES NEW DARRA LOCATION

Connector-Tech ALS has moved to a new location at 18 Sudbury St, Darra, Queensland.

The larger premises in the centre of Darra's manufacturing precinct will accommodate the company's expanding product range and sales team just 20 minutes from the Brisbane CBD.

Operations Manager, Paul Brandon, said the new premises will offer sufficient headroom for a growing range but providing the highest level of customer service remains the company's primary focus.

The new customer service area and warehouse in Darra became operational on Monday 9 March.

TAE MANAGEMENT BUYOUT AGREED

When the deal completes later this month, the ownership change means that TAE will be 100% Australian owned, making it the nation's largest fully Australian-owned aviation engineering services company.

"Air New Zealand has been a great supporter throughout TAE's history, backing all of the development activities of the company, from its fledgling days in 2000 to now being recognised as Australia's leading gas-turbine engine MRO" said General Manager Andrew Sanderson.

"This new ownership structure allows us to now focus on our core business and develop TAE as an independent engineering and maintenance company as a 100% Australian owned venture".

TAE's management team will not change under the deal, retaining its strong mix of commercial, entrepreneurial and operational experience that will help set TAE up for a positive future across all of its markets and activities.

As the nation's largest 100% Australian-owned aviation engineering services company, TAE will continue to provide maintenance and engineering support across a wide range of activities from the world's largest airliner, to fast jets, tanks and aerial agricultural aircraft.

This change comes on the back of recent announcements of the assignment of TAE to be the Regional Support Provider for the MRO&U of the F135 engine of the F-35 Joint Strike Fighter and the 'refresh' contract for the AGT1500 engine of the Australian Army's Abrams Main Battle Tank, both of which will bring positive activity to the business into the future. [Courtesy of ADM](#)

NIOA KEEN FOR LAND 40 PH2 DECISION; PROPOSES RHEINMETALL AMMUNITION

NIOA announced recently that Rheinmetall has won a contract to supply the German Army with 40mm x 53 airburst ammunition, noting that this ammunition is suitable for Nioa's candidate for the Land 40 Ph.2 project, the GD MK47 40mm Automatic Grenade Launcher.

The time of detonation of each airburst round is electronically programmable.

In line with the Rheinmetall approach, this takes place via an infrared signal from the fire control/aiming unit once the projectile has left the barrel.

The round explodes at an exactly calculated distance above its target, even if it is located behind cover.

As a result, this innovative ammunition substantially enhances the combat effectiveness of the German's battle-proven 40mm automatic grenade launcher.

With the right fire control technology, the DM131 attains a maximum effective range of 2,200 metres. [Courtesy of ADM](#)

▶ DEFENCE TEAMING CENTRE (DTC)

DTC NEWS



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- Defence (20 years)

APT Advanced Manufacturing is an ISO 9001 Quality Certified Company and is developing AS9100 certification. Our high quality standard has allowed us to achieve preferred supplier status to industries globally. We provide our clients supply value and competitive edge as a result of continuous improvement and leading technology capabilities. We look forward to developing your supply programs.



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EVENTS

Victorian Defence Alliance – Maritime Systems Briefing(Friday 17 April)
at Level 46/55 Collins St Melbourne. A briefing on some of the latest maritime projects will be given. More details will be made available shortly. Kindly hosted by the Department of Economic Development, Jobs, Transport and Resources Please contact sue.smith@aidnvc.org.au for more information.

DEFENCE TESTING



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.

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- **Mechanical Testing** (inc. Shock and Vibration)
- **Acoustics** (inc. Airborne and Structure-borne Noise)
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- 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



EnerSys Australia Pty Ltd

EnerSys is a global leader in stored energy solutions, serving the needs of many industries including Aerospace and Defence, Telecoms, UPS, Renewable/Solar and Utilities. Various Military and Defence Forces globally have been using the high quality batteries designed and manufactured by EnerSys for many decades. Our technologies include: AGM& Gel type Lead Acid batteries, Ni-Cad batteries and Lithium Ion batteries.

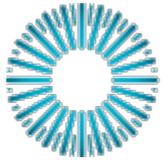
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Herbert Smith Freehills is one of the world's leading law firms. We operate from over 20 offices spanning Asia, Australia, Europe, the Middle East and the US. Our clients trust us with their most important transactions, disputes and projects because of our ability to cut through complexity and mitigate risk.

Our extensive defence sector expertise is derived from a mix of public sector and private sector appointments for both contentious and non-contentious matters. We act for major defence contractors, financial institutions and private procurers of defence and security equipment and services. By harnessing our collective knowledge of the sector we have been able to develop real expertise in the numerous legal issues and peculiarities that arise.

Our team is familiar with the underlying procurement policy approaches adopted by defence departments, such as risk allocation, use of financial guarantees, ownership and licensing of intellectual property, and the obligations of 'Fitness for purpose'. Our long-term experience means we are able to provide relevant and pragmatic advice on other important issues such as indemnities, warranties, insurance, limitation of liability, escrow arrangements, rights of termination, jurisdiction, dispute resolution, and novations.

Please contact:

Alan Rosengarten

Partner

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Wing Commander Nigel Leurs (left), the Commanding Officer of 21 Squadron, presents Tony Blunden, QinetiQ Australia Integrated Logistics Support specialist, with a Chief of Air Force Commendation for his work on the RAAF GPU.

QINETIQ AUSTRALIA'S TONY BLUNDEN RECEIVES CHIEF OF AIR FORCE COMMENDATION

QinetiQ Australia Integrated Logistics Support specialist Tony Blunden has received a Chief of Air Force commendation for his involvement in the design, development and introduction into service of the Royal Australian Air Force (RAAF) General Purpose Uniform (GPU).

The commendation reads: "Your approachability, creativity and professionalism were demonstrated throughout the project... Your achievements are of the highest order and in keeping with the finest traditions of the Royal Australian Air Force and the Australian Defence Force."

Mr Blunden said: "It is an honour to receive a commendation for my work on the GPU. Being the lead RAAF representative and Clothing Systems Project Office project manager was a real career highlight for me that has resulted in a unique and distinctive uniform that meets RAAF's service requirements."

Greg Barsby, Managing Director of QinetiQ Australia, said: "We congratulate Tony on his commendation. His professionalism, performance and commitment are evident in all aspects of his work at QinetiQ Australia. This commendation is apt recognition for the excellent work he did in the RAAF on the GPU."

Mr Blunden served in the RAAF between 1999 and 2014 before joining QinetiQ Australia this year as a project manager for Strategic Munitions Support, which produces propellant and high explosives for the Australian Defence Force (ADF), and Land 17 Future Artillery Ammunition Project, which will replace the ADF's current 155mm artillery ammunition with new and more capable systems.

The GPU, announced by the Chief of Air Force in March 2014, is designed to clearly identify Air Force and promote esprit de corps in non-combat environments. The first major rollout of the GPU occurred during Exercise Pitch Black 2014, a biennial warfare exercise hosted by the RAAF in Northern Australia, and it is being progressively issued throughout RAAF with all members expected to have a set by the end of 2015.

AEROSONDE UAV's NEW ENGINE ON SHOW

On show for the first time at the Avalon International Air Show was the new engine developed by Lycoming to power the Australian designed and built Aerosonde 4.7 model UAV.

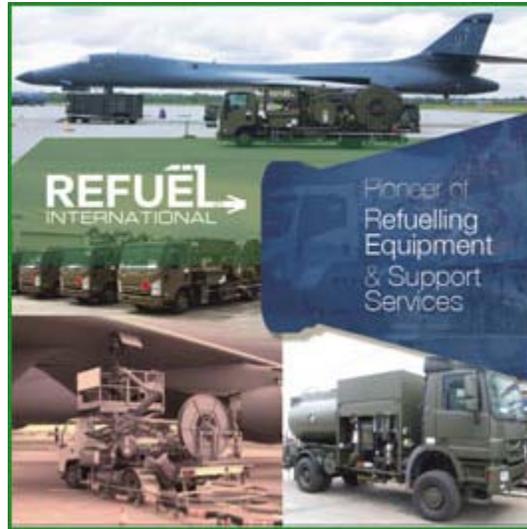
The EL-105 engine was developed by Lycoming after a series of failures with the engines built by Orbital in Perth, Australia. The Orbital engines were installed in the UAVs while on US special service missions in Afghanistan.

The failures saw Textron, which was supplying UAV services to the US military on a power by the hour basis, lose its contracts. The Aerosonde UAVs are built at Notting Hill in Melbourne.

Textron owns both Lycoming and AAI which acquired the Aerosonde business several years ago. AAI also manufactures the Shadow UAVs in the US.

Interestingly Insitu, the Boeingowned UAV business, is installing a new Orbital built engine in its Scan Eagle 2 UAV.

Textron executives told Asia Pacific Aerospace Report the new engines are performing well and it has regained the lost contracts. The 4hp at 5,500rpm EL-005single cylinder air cooled two stroke engine is heavy fuel capable. It has a dry weight of 6.25kg.



REFUEL INTERNATIONAL LAUNCHED

2014 has been a considerable year of change at Sunshine Refuellers Pty Ltd with the divestment of Liquip International and Beta Fueling Systems. The rebranding of the Melbourne Australia facility is the final piece in the restructuring and we are pleased to inform you that we are now trading as REFUEL INTERNATIONAL.

Refuel International is in a fortunate position of being able to offer the industry truly customized solutions to their refuelling challenges combined with newly established local support in SE Asia. Refuel International will be taking on the New Year with a fresh outlook, a new approach and a robust instillation of optimism and enthusiasm to strengthen growth into the business.

Our brand new website www.refuelin.com will focus on providing our customers with the most accurate product information and updated news on latest build and technology.



SENTIENT AWARDED CONTRACT FOR KESTREL EO/IR AUTOMATED DETECTION SOFTWARE FOR NAVAIR MQ-8 FIRE SCOUT PROGRAM

Sentient has delivered the first software licenses to NAVAIR as part of a deployment program for use in the Fire Scout Mission Control System. The technology automatically detects objects of interest, in full motion video, over land and sea, to improve ISR performance

Sentient helps to deliver improved reconnaissance to ground, air and sea forces

Sentient has delivered the first Kestrel automated detection software to NAVAIR for use within the Mission Control System package for the MQ-8 Fire Scout. The MQ-8 Fire Scout is an unmanned helicopter that provides US Navy ships with reconnaissance, situational awareness, aerial fire and precision targeting support for ground, air and sea forces. "Automated video analysis tools like Kestrel help maximize the value of the EO/IR sensor package to the tactical operator." Captain Jeff Dodge, Program Manager from NAVAIR said.

Kestrel proven in manned and unmanned ISR Platforms

Kestrel automatically detects hard-to-see objects within the EO/IR sensor data feed in real-time. Kestrel specializes in detecting small objects on the surface of the ocean including boats, rubber rafts and people overboard or vehicles and people moving on land. "With well over 15,000 hours of operational in-theatre experience on both manned and un-manned ISR platforms, Sentient has optimized the Kestrel software to perform effectively in the most challenging conditions. "Tom Bleier, Director of Business Development at Sentient said. He added, "Kestrel has been recognized by a growing number of agencies and operators as the Gold Standard in ISR video analytics. We are pleased to reach this milestone with an important program of record."

Real time intelligence from full-motion video

Fire Scout uses on-board sensors to capture full-motion video, identify targets and distribute information in real time to various users. This allows ship-based commanders to maintain awareness of a specified area or keep an eye on a target of interest for long periods of time. Kestrel provides visual cues to operators of distant targets allowing for faster classification and the dissemination of actionable intelligence.

Kestrel improves sensor performance – extending the capabilities of the entire platform

Kestrel complements the EO/IR sensors by resolving many of the human factor limitations that hinder long surveillance missions in challenging environments. “The goal is to improve sensor operator performance which extends the capabilities of the entire platform in certain ISR modes of operation”, said Robert S Murphy, Ship Integration IPT Lead, NAVAIR.



FUJIKURA 21S HAS ARRIVED

AFC is pleased to announce the release of the Fujikura FSM-21S, the world's smallest and lightest active v-groove alignment fusion splicer.

The FSM-21S expands on Fujikura's extensive line up of fusion splicers. Using active v-groove alignment technology, the FSM-21S bridges the gap between fixed v-groove and core alignment technologies to deliver an advanced, cost effective fusion splicer suited to advanced FTTx and LAN applications.

Michael Scarano, Senior Product Manager at AFC, says “The introduction of 21S provides the market with true flexibility and choice backed by Fujikura's world renowned benchmark performance. Its lightweight and compact design along with an enhanced long life battery, provides technicians with 200 splice and heat cycles, providing ultimate portability for field use.”

Some of the features include:

- Compact and lightweight, 1140g including battery
- Long life electrode providing 3000 splices
- Long life battery providing 200 splice and heat cycles
- High contrast 12cm display
- FUSEConnect™ compatible
- Ruggedised transit case/workstation



BMT COMPLETES VESSEL SURVEYS FOR VICTORIAN WATER POLICE

BMT Design & Technology (BMT), a subsidiary of BMT Group Ltd, the leading international maritime design, engineering and risk management consultancy, recently supported the Victorian Water Police with condition surveys on 15 of their fleet vessels.

The task used BMT's proven risk based survey tool to assess the vessels and develop an estimate of remaining life, for input into a vessel replacement strategy. The risk based condition surveying process that BMT utilises can also provide vessel owners and operators with estimated costs and schedules for replacement and maintenance. By establishing a vessel's condition at a point in time and determining a maintenance and replacement strategy, vessel owners are able to reduce the risk to their business and reduce long term costs.

BMT Design and Technology is continually upgrading its survey tool in line with best practice and changes to local regulations to ensure that its experienced engineers and naval architects offer a range of industry-leading services to the maritime, defence and transport industries.

Gordon MacDonald, Managing Director at BMT Design & Technology comments: "The significance placed on this survey by the Victorian Water Police emphasises the importance of having a thorough and superior condition survey completed. Through understanding the remaining life and operational limits of a vessel, the appropriate maintenance and replacement planning can be implemented, saving time and costs in the long run."



TECTONICA AUSTRALIA AND HONEYWELL TO LEVERAGE GPS WORK FOR LAND 400

Tectonica Australia and Honeywell continue to work together to deliver the future of navigation solutions and are looking to Land 400 opportunities.

The LanNAV system has been a successful solution for phase 2B of the JP5408 GPS enhancement program destined for the ADF M113 family of vehicles.

Incorporating Honeywell's TALIN family of Inertial Navigation Units, LanNAV ensures consistent, highly accurate information is available across a wide range of operational scenarios.

Protecting against threats such as GPS spoofing and jamming, the LanNAV system ensures commanders and drivers have the information required to be confident in their location.

Tectonica's Protected Land Navigation Systems, LanNAV Advanced, Embedded and Targeting are the proven leaders in delivering protected and highly accurate land navigation.

The LanNAV product family is a fully integrated military-off-the-shelf (MOTS) protected navigation system that provides an advanced navigation capability regardless of jamming attempts or terrain masking.

Tectonica's range of highly advanced navigation systems deliver the standard of geo-location accuracy and protection demanded by the modern war fighter.

LanNAV provides unparalleled technology with user-friendly interfaces, ensuring that capability is as functional as it is exceptional.

The CDU-NAV is a Tectonica-designed rugged display that enables users to easily view and control their navigation system.

ACU-NAV software is installed on the CDU-NAV; this simplifies way point and target location entry, and provides drivers with steer-to information.

Featuring full-inertial navigation, Honeywell's TALIN suite delivers advanced navigation performance that is more accurate than traditional magnetic systems, without any platform limitations.

Utilising a ring laser-gyro-based system, the compact and simple to install unit enhances situational awareness by providing

precise, multi-axis vehicle positioning, pointing and targeting without being GPS dependent.

With multiple communication interfaces, the affordable TALIN family is proven in numerous battlefield environments worldwide to deliver reliable and accurate navigation performance. [Courtesy of ADM](#)

VICTORIAN STATE GOVERNMENT NEWS

DEAKIN GEELONG HOME TO NEW DEFENCE PROCUREMENT OFFICE

The new Geelong Defence Procurement Office, to be based at Deakin University's Waurn Ponds Campus, will boost our defence industry and make sure our state gets its fair share of national defence work.

Premier Daniel Andrews visited Deakin University recently to make the announcement, alongside Minister for Industry, Lily D'Ambrosio.

The Procurement Office will market the skill and capability of Victorian and Geelong manufacturers to the largest defence contractors in the world. It's about growing the manufacturing and defence industries and creating more high skill, high wage jobs.

The Office will also help promote Victoria's abilities in design and manufacturing, identify opportunities for growth in defence and non-defence businesses, and help Victorian businesses access local and global supply chains and form industry partnerships.

Businesses will be able to draw upon the world-class research capacity of Deakin University. This collaboration will boost the competitiveness of the industry in Victoria.

Victoria's defence industry has an annual turnover of about \$1.5 billion. It includes more than 300 businesses and directly employs about 6,000 people who make equipment and provide services for defence activities.

The Defence Procurement Office will have statewide responsibility and act on behalf of all Victorian-based defence companies. The office can be contacted on 03 5215 6071.

Quotes attributable to Premier Daniel Andrews

"We're fighting for Victoria's fair share of defence work and we're giving Geelong's industries the support they deserve."
"The new Procurement Office will be a powerful voice for the future of Geelong and the future of Victoria."

Quotes attributable to Minister for Industry, Lily D'Ambrosio

"We'll market the skills of our local manufacturers to the biggest defence contractors in the world."
"It's about growing the manufacturing and defence industries and creating more high skill, high wage jobs."

Quote attributable to Member for Bellarine, Lisa Neville

"Geelong is a manufacturing powerhouse, home to innovative businesses and highly skilled workers."

Quote attributable to Member for Lara, John Eren

'This is a great result for Geelong to help lead the way for the defence industry. I am pleased we have been able to deliver this important election commitment.'

Quote attributable to Member for Geelong, Christine Couzens

"Having the office based at Deakin University will help defence businesses to connect with world-class research and development."

Requirements Analysis & Specification Writing



Adelaide, Australia
18 - 22 May, 2015



Requirements Analysis and Specification Writing are sciences practiced by many, mastered by surprisingly few. And yet, the pay-off from achieving excellence in these areas is large.

The two aspects, Requirements Analysis and Specification Writing, are treated as separate but related topics, each in a course of three and two days duration.

Upcoming Courses

16 November - 20 November, 2015	Melbourne
1 February - 5 February, 2016	Brisbane
29 February - 4 March, 2016	Adelaide
14 March - 18 March, 2016	Auckland, NZ
18 April - 22 April, 2016	Melbourne
16 May - 20 May, 2016	Sydney

For a comprehensive course description or for online registration please visit our website:

www.ppi-int.com/rasw

▶ AIDN-Western Australia

Carnegie Wave Energy Limited

Carnegie Wave Energy Limited (ASX:CWE) is focused on developing and commercialising its 100% owned CETO wave energy technology which is capable of producing zero-emission power and direct desalinated water.

CETO differs from other wave technologies under development globally by being fully submerged and being able to generate power both onshore and offshore. CETO has been proven at pilot scale and is now in its commercial demonstration phase.

Please contact
Michael Ottaviano
Phone: +61894864466
enquiries@carnegiwave.com

▶ AIDN-WA MEMBERS' NEWS

AUSTAL USA LAUNCHES THIRD LITTORAL COMBAT SHIP

The United States arm of Australian shipbuilder Austal has launched its third Independence class Littoral Combat Ship for the US Navy.

The future USS Gabrielle Giffords, named after a former US Congresswoman who retired in 2012 after surviving an assassination attempt, was rolled out of the Mobile, Alabama shipyard on February 25, on to a barge for transfer to a floating drydock, and floated from the drydock next day.

The ship will return to the shipyard to continue final outfitting and activation until her christening later this year.

She is expected to deliver to the fleet in 2017.

Gabrielle Giffords is the third ship in a block buy contract with Austal to build 10 Independence variant LCS ships.

Sister ship Jackson (LCS 6) is preparing for builder's trials, and Montgomery (LCS 8) was christened in November 2014.

The LCS program is ramping up in 2015 to deliver two ships per year from the Austal shipyard, as well as two Freedom-variant ships from the Marinette Marine shipyard in Wisconsin.

"This third Independence variant ship of the block buy is the first ship constructed fully utilising Austal's LCS Modular Manufacturing Facility and is launching at the highest level of production completion to-date," said Capt. Tom Anderson, Littoral Combat Ship program manager, "a sign that facility investments are now paying off in schedule and cost performance."

[Courtesy of ADM](#)

▶ DEFENCE INDUSTRY NEWS

AIRBUS AUSTRALIA PACIFIC WINS INDO C-130H OVERHAUL CONTRACT

The aircraft maintenance arm of Airbus Group Australia Pacific is believed to have won the contract to overhaul 6 of the former Australian Air Force Lockheed C-130H Hercules purchased by the Indonesian air force.

Air Force C-130Hs were retired from service in November 2012. Australia earlier gifted four C-130Hs to Indonesia, the overhaul of which was contracted to Northrop Grumman owned Integrated Defence Services (IDS) (previously Quantas Defence). IDS had the support contract for the Australian Air Force's fleet of C-130Hs.

The company now supports the airforce's AP-3C Orions and C-130Js. [Courtesy of Asia Pacific Aerospace Report](#)



DMTC'S YOUNG INNOVATOR REWARDED AT AIR SHOW

Outstanding work on aircraft safety and reducing maintenance costs has landed Ms Vanessa Lussini the coveted Aerospace Australia Young Innovator Prize.

The DMTC-sponsored PhD candidate was presented with the award in March at the Australian International Airshow at Avalon, Victoria.

The awards recognise individuals who are leaders in aerospace and aviation technologies and innovation.

Ms Lussini's project uses organic compounds to develop sensors that will alert maintenance crews when sections of an aircraft need repainting before mechanical strain, direct sunlight, varying temperatures, water, salt and other pressures cause dangerous corrosion.

To prevent corrosion, modern aircraft are coated with protective materials. However these protective outer coatings are constantly under physical and chemical stress. If left unchecked, this damage can lead to corrosion, which can result in the deterioration of the aircraft's structural integrity.

Ms Lussini's project has developed new sensor molecules, called pro-fluorescent nitroxides (PFNs), which can monitor the breakdown of aircraft coatings that enable a sensitive real-time monitor technology within the coating to show the location and extent of the coatings' wear.

DMTC researchers have now won the Young Innovator prize at the past three major Defence Platform shows – Pacific 2013, Land Forces 2014 and now the 2015 Avalon Air Show.

Ms Lussini has received much positive media attention following the award announcement, including being interviewed by ABC Radio.

DMTC WINS INNOVATION AWARD FOR TITANIUM MACHINING

Significant supply chain improvements in the manufacture of military aerospace components were recognised at Avalon this month when DMTC won the Aerospace Australia Defence Industry SME Innovation Grant prize of \$10,000.

The winning project has improved the productivity and cost competitiveness of manufacturing BAE Systems' Vertical Tail components for the Joint Strike Fighter aircraft.

"Innovation in developing and optimising titanium machining capability for aerospace components were key to these improvements," says Project Leader Dr Suresh Palanisamy.

The activity involved close collaboration between several supply chain companies and research organisations, including BAE Systems, Sutton Tools, Seco Tools, Vipac Engineers, RMIT University, Swinburne University, the University of Melbourne and the University of Queensland.

The new range of machining capabilities developed by the team are now available to Australian and international companies through global supply chain collaborations and, although developed for aerospace, should also provide opportunity in the land and sea domains for Australian supply chain companies.

DMTC congratulates all other winners and shortlisted candidates for the Aerospace Australia awards.

AIRBUS DEFENCE AND SPACE ANNOUNCES SKYNET 5 SATELLITE MOVE TO DELIVER MILITARY SATCOM OVER ASIA-PACIFIC REGION

The move of Skynet 5A will enable delivery of protected and secure satcom services in the new coverage footprint from mid-2015.

Airbus Defence and Space owns and operates the hardened Skynet X-band satellite constellation of 8 satellites and the ground network to provide all Beyond Line of Sight (BLOS) communications to the UK Ministry of Defence.

The contract also allows other NATO and Allied governments to use the Skynet system to augment their existing services.

Airbus Defence and Space also leases the X-band hosted payload on Telesat's Anik G1 satellite, which covers the Americas and parts of the Pacific including Hawaii and Easter Island.

Skynet 5A will move from its current 6 degrees East position (over Europe, the Middle East and Africa) to its new 97 degrees East location, a journey of approximately 67,000 km, making Skynet X-band secure satellite communication services available for the first time over the eastern Asia-Pacific region including Australia.

UK Defence Minister, Philip Dunne, said: "Today's announcement that Airbus will be moving one of the UK's Skynet 5 satellites to the eastern Asia-Pacific region is clear proof of how much our relationships with our international allies matter. This is the first time that we have had a secure communications capability in the region, and shows the depth of our commitment to our allies and partners in the region, including Malaysia, in humanitarian and peacekeeping operations."

Airbus Defence and Space is moving Skynet 5A to meet increased demand from government customers for high throughput secure X-band communications in the region, while also boosting global coverage by extending the new coverage from 178 West to 165 East.



New Zealand Secretary of Defence Helen Quilter together with French Air Force Colonel Olivier Luneau

FIRST VISIT OF THE A400M IN AUSTRALIA DURING ITS LONGEST MISSION TO DATE

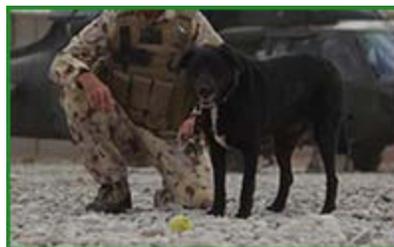
The twelfth International Airshow at Avalon in Australia took place from the 24th February until the 1st of March, where a large presence of international companies and authorities congregated. More than one hundred aircraft were exposed throughout including the A400M deployed by the French Air Force as part of their world tour.

Along with the presence of Christian Scherer, Executive Vice President of marketing and sales of Airbus Defence and Space, it was possible to achieve numerous visits with the Australian and New Zealand authorities that appreciated the aircraft first-hand. Leaders of New Zealand's Ministry of Defence as well as the Secretary of Defence, Helene Quilter, had the opportunity to discover more about the A400M that included a cockpit tour and explanations provided by the aircraft commander, French Air Force Lieutenant Colonel Olivier Luneau.

The deployment and exposition of the A400M in Australia represents another milestone in the history of this aircraft. MSN 014 of the French Air Force has been the first A400M in stepping on the Australian continent. To achieve this it travelled some 15,000 km and recorded a total of 27 flight hours.

The aircraft took off from the air base of Orléans on Thursday February 19th, beginning a world tour, which represents the longest mission of Atlas since its entry into service in August 2013. It attended the aeronautical event before leaving to Manila to coincide with the visit of the French President François Hollande. From then on the A400M continued its journey to the Air Base 186 of Nouméa in New Caledonia before heading into the United States.

The A400M is already fully operational in four out of the eight customers, and in just one year and a half the operating fleet has accumulated a total of 2,000 flight hours successfully completing numerous missions.



AUSTRALIA'S MOST DECORATED CANINE HAS DIED - VALE SARBI

Australia's most decorated canine war hero, Sarbi, has died after a short battle with brain cancer.

The former Australian Army explosive detection dog, who went missing for almost 14 months in Afghanistan, suffered a number of seizures in recent weeks and scans revealed a brain tumour.

Her handler, Warrant Officer Class Two David Simpson said that Sarbi had died peacefully surrounded by her loved ones on Friday.

"Sarbi had a wonderful life serving Australia as an explosive detection dog and as a pet at home for the last five years," Warrant Officer Class Two Simpson said.

"Sarbi will live on in everyone's hearts and minds and I hope that her story of perseverance and determination will inspire you to do whatever you can to achieve your goals and dreams."

Sarbi went missing after a joint Australian, American and Afghan vehicle convoy was ambushed by insurgents in September 2008. Nine Australian soldiers, including Sarbi's handler, were wounded during this action. It was also the same action for which Corporal Mark Donaldson received the Victoria Cross for Australia.

A dog matching Sarbi's description was found by an American soldier in north-eastern Uruzgan province and returned to the Australian Base in Tarin Kot, where handlers confirmed her identity.

For her brave efforts, Sarbi was awarded the War Dog Operational Medal, the Canine Service Medal and RSPCA Purple Cross Award. The RSPCA Purple Cross Award recognises the deeds of animals that have shown outstanding service to humans, particularly if they showed exceptional courage in risking their own safety or life to save a person from injury or death.

Last month, a south-east Queensland dog park was named in her honour.



FIRST AUSTRALIAN GROWLER FUSELAGE DELIVERED

Northrop Grumman has delivered to Boeing the first EA-18G Growler centre/aft fuselage section for the first of 12 ordered by Australia.

Northrop Grumman produced and integrated the RAAF Growler shipset on its F/A-18 assembly line in El Segundo, which it uses to produce major centre and aft structures for both F/A-18 and EA-18G aircraft.

The subassembly includes the Growler's fuselage section, twin vertical tails and all associated subsystems.

It is the 115th Growler shipset produced by Northrop Grumman and the first to be produced for an international customer. The EA-18G Growler is a derivative of the two-seat F/A-18F Super Hornet.

Its primary mission is to detect, identify and disrupt enemy air defence radar and related communication systems.

Australia's Growlers will be based at Amberley, with initial operating capability expected in 2018. [Courtesy of ADM](#)

▶ GENERAL NEWS

PERSONNEL CHANGES

BAE Systems Applied Intelligence has appointed Rajiv Shah as General Manager for Australia to focus on executing the business' growth strategy in Australia, particularly in the government, financial services, telecommunications and energy sectors.

The Board of Directors of Raytheon Company has elected Letitia A. Long as a director effective immediately.

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 was conducted on Thursday 12th March 2015 in Canberra. The date for the next meeting will be advised when known.

▶ UPCOMING ACTIVITIES

DSTO Partnerships Week 2015

LOCATION: Edinburgh

VENUE: DSTO Edinburgh, South Australia

DATE: 05 May – 06 May, 2015

WEB:

www.dsto.defence.gov.au/event/dsto-partnerships-week-2015

ORGANISER: Defence Science and Technology

Organisation – DSTO

During our inaugural DSTO Partnerships Week, we are planning a program of activities aimed at strengthening DSTO's external engagement to achieve better capability outcomes for Australia's defence and national security.

In particular, two open days (5-6 May) will include presentations, access to DSTO researchers, DSTO research capability displays, technology demonstrations and site tours.

What is proposed: Presentations, access to DSTO researchers, DSTO research capability displays, technology demonstrations and site tours.

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

WEB: www.admevents.com.au

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

PACIFIC 2015 6 - 8 October 2015, Sydney

Web: www.pacific2015.com.au

The PACIFIC 2015 International Maritime and Naval Exposition is a 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.

MiICIS 2015

DATE: 10-12 November 2015,
Canberra

WEB: www.milcis.com.au

MiICIS 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.

New Zealand Defence Industry
Association Forum

DATE: 17 – 18 November 2015

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

CONTACT: contact@nzdia.co.nz

AIDN ACTIVITIES LIST FOR 2015

April	09	Defence Industry Briefing Breakfast	AIDN-NT
	16	AIDN-Qld meeting DB Schenker	AIDN-Qld
	17	VDA-Maritime update briefing	AIDN-Vic
	23	Rockwell Collins Australia, Lane Cove	AIDN-NSW
June	11	AIDN-Qld Annual Dinner	AIDN-Qld
October	28	AIDN-NT Gala Dinner	AIDN-NT

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

AIDN National
Phone: 03.9885 0907
admin@aidn.org.au

AIDN-NT
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DTC
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AIDN-WA
admin@aidn-wa.org.au

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. 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:

AIDN, PO Box 334, Ashburton Vic 3147,
Ph: 03.9885 0907

admin@aidn.org.au

ABN: 37 252 416 031 ARBN 115 614 803

www.aidn.org.au

ADVERTISING IN THE AIDN NEWSLETTER

Would you like to assist yourself and AIDN by advertising in the newsletter? The newsletter is circulated to more than 800 defence related companies in Australia, as well as Overseas Associations and key DMO decision makers. Advertisements of one column wide by half a column long can be booked at **\$185+GST** per issue for members. Please contact Sue Smith to book your advertisement. We will continue to print newsworthy information for free under Members' News. sue.smith@aidn.org.au.

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Views expressed in the AIDN Newsletter do not necessarily reflect the opinion of AIDN Inc. Not all third-party events included in the UPCOMING ACTIVITIES section are endorsed by AIDN. No responsibility is accepted by AIDN or the editor for the accuracy of information contained in the newsletter or the consequences of any person relying upon such information.

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