



NATIONAL NEWSLETTER
No 7 of 2015

Quote of the month

"Vision is the art of seeing things invisible."

- *Jonathon Swift*

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 **AIDN NATIONAL NEWS**

NEXT AIDN MEETING

The next AIDN National meeting will be held on Friday 9 October in Sydney following Pacific 2015.



QUADRILATERAL CONFERENCE IN LONDON

ADS UK will host the next international Quadrilateral Conference in London. The Quadrilateral Conference is an annual event where UK, USA, Canadian and Australian defence industry organisations meet to discuss topics of interest. The next

Quadrilateral will be held in London on Monday 14 September 2015. The theme of this year's Quadrilateral is "SPECIAL RELATIONSHIPS IN AN UNCERTAIN ERA FOR THE DEFENCE TRADE"

Please put this date in your diary will include high profile speakers from the four countries involved and is being held on the day before DSEI commences in London. Contact Sue Smith, AIDN Executive Officer sue.smith@aidn.org.au for more information.

▶ AIDN-Australian Capital Territory

AIDN-ACT MEMBERS' NEWS

PRESCHÉ PROJECT CONFIRMS QUICKSTEP'S SUPERIOR AUTOMOTIVE MANUFACTURING TECHNOLOGY

Advanced manufacturing company Quickstep Holdings (ASX: QHL) is pleased to announce the completion of a German government-funded project that has confirmed Quickstep's ability to manufacture niche volume carbon fibre composite vehicle parts more efficiently than traditional processes.

In the final report submitted to a consortium of industry partners including the German Government and leading car manufacturer Audi, the PRESCHÉ project demonstrated the ability of Quickstep's resin spray transfer (RST) and Qure technologies to produce paintable, 'Class A' surface composite parts at a lower cost than traditional autoclave processes in niche volumes of up to 10,000 parts per annum. These technologies also produced a demonstrator roof system for an Audi A1 vehicle.

Commencing in November 2011, the PRESCHÉ project focused on the delivery of commercial composite car parts using a number of new technologies. A key outcome was the successful automation of some of the key steps in composite part manufacturing to deliver 'Class A' finish automotive parts such as bonnets, decklids and canopies.

Quickstep managing director, David Marino, said: "Spearheading the PRESCHÉ project alongside several German automotive industry participants has proved invaluable, helping to broaden our technical knowledge and expertise to provide cost effective automotive manufacturing solutions."

"The project highlighted the capability and benefits of our industry-disruptive technologies, validating our Phase 1 automotive strategy to focus initially on lower volume opportunities. This has assisted in securing Quickstep's first two automotive contracts, with manufacturing expected to commence in early 2016."

"We look forward to building on the success of the PRESCHÉ project and further developing our innovative technologies including the new RapidQure process aimed at higher volumes."

The Qure technology is a unique, patented technology that moulds carbon-fibre components using fluids instead of standard autoclave techniques, reducing costs and processing time. It uses the company's RST technology to create carbon fibre parts with a 'Class A' surface finish more efficiently than traditional systems. Quickstep provides a turnkey manufacturing solution for aerospace, defence and automotive clients.

▶ AIDN-New South Wales

ANNUAL DINNER

The AIDN-NSW annual dinner will be held on 10 September for our Dinner this year and will be maintaining our usual high standard. We will advise details as they are confirmed.

Requirements Analysis and Specification Writing

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



UPCOMING DELIVERIES

16 - 20 November, 2015	Melbourne
1 - 5 February, 2016	Brisbane
29 February - 1 March, 2016	Adelaide
14 - 18 March, 2016	Auckland, NZ
18 - 22 April, 2016	Melbourne
16 - 20 May, 2016	Sydney
23 - 27 May, 2016	Perth

The Requirements Analysis & Specification Writing 5-day course combines two of our popular courses into one delivery, bringing together these two complementary sciences. This course is designed for acquirer, supplier and development personnel, who in any capacity, deal with requirements.

- Develop skills to efficiently use requirements analysis to prepare a great system or software requirements specification.
- Understand what syntax produces the best requirements specifications.



For the complete course description, or to register, visit:
www.ppi-int.com/rasw

AIDN NSW LINKEDIN GROUP

To join the group and see the latest topics [click here](#)

▶ AIDN-NSW MEMBERS' NEWS

JEDS COMMISSIONS NEW ANECHOIC CHAMBER FOR ANTENNA TESTING

Australian electronic warfare system support company Jenkins Engineering Defence Systems (JEDS), has installed a Near Field Scanner (NFS) anechoic test chamber that can test all but the largest antennas in service with the Australian Defence Force, including many that could previously only be tested overseas.

Sited at the company's Matraville facility in Sydney's east, the chamber is more than seven metres long, 4.8 metres wide and 4.8 metres high, with a seven-axis, nine-measurement mode for testing of antennas up to three metres by three metres in size.

The NFS introduces to Australia leading-edge antenna characterisation capabilities and complements JEDS' existing 10-metre by five-metre by five-metre fully-automated Far Field Anechoic Test Chamber (0.5-40 GHz). In doing so it provides a significant increase in accuracy and characterisation capabilities. [Courtesy of ADM](#)



NEW ERA AS F90 ASSAULT RIFLE ENTERS AUSTRALIAN DEFENCE FORCE SERVICE

Thales's F90 rifle is to enter Australian Defence Force service, marking a new era for our soldiers and their weapons.

The Australian Department of Defence has signed an AUD 100 million contract with Thales to produce rifles, grenade launchers, spare parts and various ancillaries at Thales's facility in Lithgow, regional NSW.

The F90 is a light, versatile weapon that meets the highest standards of performance and reliability, and has been well-received by soldiers in various trials.

Kevin Wall, Thales's Armaments Vice President in Australia, said: "Our soldiers deserve the best possible equipment, and the F90 delivers on all counts. Enhancing the Austeyr is the most cost-effective way to deliver a capability upgrade, and we've worked closely with Defence and Army units to design, test and manufacture this world-class weapon. We're now looking forward to getting it into troops' hands as quickly as possible."

"The F90 is born from over 100 years of engineering and manufacturing expertise at Lithgow, and this is the latest chapter in Lithgow Arms' long contribution to Australian military operations."

In Australian Defence Force service, the rifle will be known as the Enhanced F88 (EF88), marking a significant enhancement of the original AusteyrF88.

Two versions will be delivered – a standard rifle with a 20" barrel, plus a carbine with a 16" barrel. Deliveries to the ADF will begin in the next few weeks and phased over six years.

Thales is currently exploring export opportunities for the F90 in various markets around the world, while also developing further enhancements for the rifle, which is fitted for but not with electronic architecture including centralised power as a key future-proofing measure.



HOW DO I GET BACK ON BOARD?

The SOS Recovery Ladder answers the question for all boaters. SOS Marine is keeping rescue 'fast & smart' with the release of their new product added to the SOS family of recovery products.

Even if you either go intentionally for a swim or fall overboard most boats do not have an ability to get you back on board. "If you don't have some method in place it is too late to figure how to get a tired and exhausted person back on board," says SOS Marine spokesperson.

It is difficult or near impossible to lift a person in wet clothes from the water level to the deck of your boat.

The SOS Recovery Ladder advantage is easy to deploy as it's designed for simplicity and speed. The compact bag is an integral part of the ladder. The SOS Recovery Ladder is incorporated and packed into a high visibility neon yellow mesh bag weighting around 3.3kilos and folded is only 500mm x 300mm, size similar to a ladies handbag. It has 4 deck attaching points and 6 mounting steps and a deployed length of 2.25 metres.

The SOS Recovery Ladder is rescue ready as it can be used in conjunction with lifting halyards attached to the outer end of the ladder to assist hoisting a person on board.

The high quality and unique design of SOS Marine`s equipment is so well respected and highly regarded that 12 National Defence Forces worldwide are experiencing the SOS Australian quality.

THERE'S A NEW KID IN TOWN FOR SIMULATION

Satori Technologies Pty Ltd (who are a member of the Goal Group) are excited to announce the recent signing of its reseller agreement with ZEN Technologies. Zen are based in Hyderabad, India and provide quality simulation technology at cost effect pricing,

Satori and Zen are partnering to exhibit at the upcoming Simulation Australia event SimTecT 2015. SimTecT is the simulation industry's premier conference and will be held at the Adelaide Convention Centre from Tuesday 18th August to Thursday 20th August 2015.

The products that will be demonstrated at the Exhibition include:

- Range Simulator – a firearms simulator aimed at training recruits by recreating a Small Arms firing range indoors.
- Tactical Simulator - real-time, force- on-force training system that enables conduct of live exercises with troops as in actual combat.
- UAV Mission Simulator – very unique in the world. A comprehensive system developed to train External Pilots, Internal Pilots, Mission Commanders, Observers/Special Payload Operators and Image Interpreters.
- Driver Simulator - a versatile indoor classroom driver training simulator. Covers light, medium and heavy vehicles and comes with the option of either left or right hand drive.
- Driver Aptitude Tester - a reflex testing system that tests a driver's alertness, depth perception, peripheral vision, night vision and ability to recover quickly from the effects of glare. Can be used for regular screening and for drivers with different levels of experience.
- War Gaming Simulator - provides doctrine-neutral solutions for Joint-Services/Combined and standalone operations. The gen-next constructive simulation supports both conventional and non-conventional operations. The models consist of Air, Land, Naval exercises along with MOOTW and NBC operations in limited capacity.
- The 3ADS - is designed to train operators on laying procedures in both simulated and field conditions as well as psycho-physiological training experienced at the time of launch. It is user-friendly and provides data of missile launch, details of target movements and hit-miss information for After Action Reviews (analysis). The simulator is light-weight, modular in nature and lends itself to up-gradation.

In addition, Satori/ZEN are participating in the DMT Precinct initiative. As an initiative of the Defence Specialist Community Committee and in partnership with the Australian Defence Simulation and Training Centre (ADSTC), Simulation Australasia has initiated a Distributed Mission Training (DMT) Precinct to be first demonstrated at SimTecT 2015. Operating on the Defence Training and Experimentation Network (DTEN) environment, DMT allows simulations to be brought online as required to deliver effective training in a far more cost effective, versatile and flexible manner. For example, a virtual aircraft flown out of ADSTC's Canberra facilities may be integrated into a live Navy exercise to provide Combat Air Patrol; delivering a significant training benefit and access to a capability that would otherwise be inaccessible due to cost or availability.

The Satori/Zen exhibition booth is located at Site #40 and we would love to see you there.

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▶ AIDN-Queensland

AIDN-Qld continues to support members and conducts monthly meetings to facilitate networking.

EVENTS

Recent meetings were hosted by Thales PV and TR/VMS. The annual formal dinner was held in June with Hon Bernie Ripoll and Chris Jenkins, CEO Thales in speaking roles.

2015 meetings are scheduled for 20Aug – hosted by Nova Systems, 17Sep – hosted by Ferra Engineering and 15Oct – hosted by Sikorsky/Helitech. The AIDN-Qld AGM will be hosted by Aviation High – the guest speaker will be Campbell Newman – former Queensland Premier.





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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|-------------------|-------------------|
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| • MIL-STD-810G* | • MIL-STD-883* |
| • MIL-STD-167-1A* | • MIL-HDBK-2036* |
| • MIL-STD-202G* | • RTCA/DO-160* |
- * including previous versions

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▶ AIDN-Queensland NEW MEMBERS

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Please contact:

Rob Hemmings

Business Manager – Defence & Aerospace

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rob.hemmings@celemetrix.com.au



Holmwood Highgate (Aust) Pty Ltd

Holmwood Highgate (Aust) employees close to 200 people at its Loganholme and Derrimut facility, many of whom have been employed for periods in excess of fifteen years.

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Please contact:

Wade Mellish

Director

Phone: 07 3440 9000

wade@holmwoodhighgate.com.au



NORTEC

NORTEC has over 30 years of experience in providing recruitment and training services for jobseekers and businesses. With offices throughout Northern NSW and South East Queensland, we are a for-purpose community-based organisation that aims to create opportunities and inspire better futures for our unique regional communities by listening, understanding and seeking real solutions. We provide integrated services that connect people, business and communities.

NORTEC delivers a comprehensive range of recruitment and training services for businesses and jobseekers, including the Australian Government funded job-active initiative and the Disability Employment Services programs as well as services for temporary, permanent and contract staffing - we are an approved contractor for Local Government Procurement in our region.

As a Registered Training Organisation, NORTEC can assist jobseekers with accredited and non-accredited training programs and assist businesses with traineeship delivery for their staff.

Investing in social enterprise initiatives, NORTEC delivers a range of complementary programs and engages in activities that make a positive socio-economic difference in our region. These activities include small business advisory, mentoring and investment in social enterprise initiatives that encourage skills and employment growth, community sponsorships and grants initiatives.

Our offices in Northern NSW are located in Forster, Wauchope, Port Macquarie, Kempsey, Macksville, Coffs Harbour, Grafton, Yamba, Casino, Kyogle, Lismore, Ballina, Byron Bay, Brunswick Heads, Pottsville, Murwillumbah and Tweed Heads. NORTEC also have offices in South East Queensland including Coomera, Southport, Nerang and Palm Beach on the Gold Coast and Booval and Redbank Plains in the Ipswich region.

Please contact: 1 800 667 832



P.J. Bowers

At P.J. Bowers, we specialize in Neolon FOAM Stickyback products and CNC machining for expansion joint construction, building and retail markets.

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Please contact:

Peter Bowers

Managing Director

Phone: (07) 5593 8277

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FERRA TO PROVIDE PARTS FOR INITIAL PRODUCTION OF THE TRITON UNMANNED AIRCRAFT SYSTEM

Northrop Grumman Corporation has awarded the first Australian supplier contract for the U.S. Navy's MQ-4C Triton unmanned aircraft system (UAS) initial production lot to Ferra Engineering.

Brisbane-based Ferra Engineering will manufacture mechanical sub-assemblies for the first four Triton air vehicles including structural components.

"At Northrop Grumman it's very important to not only develop our own capabilities, but to develop and foster capabilities in local supply chains," said Ian Irving, chief executive, Northrop Grumman Australia. "This is a great opportunity for quality-focused Australian companies to be involved in the production and sustainment of one of the U.S. Navy's and Royal Australian Air Force's key capabilities for many years to come."

"This contract, and the opportunities we expect will be available in follow-on production lots, highlight Northrop Grumman's commitment to Australian industry," added Irving.

Northrop Grumman's engagement with Ferra Engineering, and its advanced capabilities, was facilitated through the Australian Department of Defence's Global Supply Chain program. Under the Global Supply Chain initiative, international companies such as Northrop Grumman can assess Australian industry and provide them the opportunity to compete for business around the world on a value-for-money basis.

Australian companies have also received requests from Northrop Grumman for quotations to potentially provide components for follow-on production. These industry opportunities include cables, complex machined and composite assemblies, as well as special tooling and test equipment.

In March 2014, Australian Prime Minister Tony Abbott announced the Australian Government's intent to purchase the Triton UAS for high-altitude, long-endurance surveillance missions. Triton can fly missions for 24 hours at altitudes of more than 55,000 feet to cover vast areas of ocean and coastal regions. Its unique sensor suite provides a continuous on-station presence in a 360-degree field of view for some of the most demanding surveillance missions.



WEARABLE TECH FLYING HIGH IN AEROSPACE INDUSTRY

Wearable tech is everywhere. So it should come as no surprise that our scientists have a few wearable projects up their sleeve.

You may recall the electiFIED backpack Mashable featured earlier this year, or perhaps you read about our wireless ad-hoc positioning system (WASP) for tracking athletes? Well, we're not done yet, because another of our favourite wearable projects

is about to go global.

An Aussie aerospace company, TAE, has just signed an agreement to commercialise our Guardian Mentor Remote platform (GMR).

Think of GMR as a combination of Google Glass, Tom Cruise's gloves from Minority Report and the ComBadge from Star Trek. GMR is an augmented reality technology that uses a wearable computer, helmet-mounted camera and a near-eye display to remotely connect technicians with aviation experts from around the world.

How will it help the aerospace industry? By connecting experts with technicians remotely, companies can undertake aircraft and engine repairs and maintenance without having to fly in specialist engineers or mechanics.

Using this touch screen, experts can see what the technician can see, offer advice and share documents.

It's not enough to connect a technician and an expert via a video conference. The GMR system allows an expert to see exactly what the technician is seeing, make suggestions, share technical documents and annotate the information in real-time.

For technicians it will be like having an expert in the room with them, even if they're in another state or even another country. That means there's no more waiting days to get aircraft back up and running.

Maintenance is a big issue for the aerospace industry. If a plane's not operational, it can cost a company up to \$12,000 per hour and worse cause massive delays. This is why the likes of Boeing and Aviation Australia have already trialled the GMR prototype. And now that TAE is commercialising this technology globally, our device is set to reduce aircraft down-time and maintenance costs for commercial, regional and defence aircraft operators worldwide.

The GMR is not just limited to the aerospace industry, already we are seeing interest from other sectors including the manufacturing, mining, automotive, paper and pulp and rail industries. It could even be used to provide remote medical assistance for field health workers and emergency scenarios.

NORTEC AWARD

NORTEC were recently successful in the new Australian Government funded Job Active program and by July 1, 2015 we will be opening offices in these new regions: NSW Mid North Coast: Bulahdelah, Forster, Gloucester, Laurieton, Wauchope, Port Macquarie, Kempsey, Macksville; and in South East Queensland: Robina, Bigera Waters, Inala and Indoroopilly. We look forward to extending our services in these areas from July 1st.

NORTEC Small Business Support Unit were recently awarded the contract delivery for the Federal Government-funded Australian Small Business Advisory Services program (ASBAS) in the following areas: Clarence Valley, Kyogle, Richmond Valley, Lismore, Ballina, Byron, Tweed and the Gold Coast. The program provides small businesses with advisory support and workshops as well as matching businesses with a suitable expert business mentor.



NEW STAFF MEMBER AT PROMINENCE

This month, Leanne Ryan, Managing Director of Prominence, was pleased to welcome Kath O'Hanlon (pictured above) as the Operations Support Officer to work with both herself and Ruth Limkin, the Consulting Operations Manager. Kath's appointment supports the business growth and relocation of the Prominence head office to Ann Street, Fortitude Valley. Kath brings 30 years of administrative proficiency to the team of experienced personnel at Prominence.



NIOA WINS 40MM GRENADE LAUNCHER CONTRACTS

NIOA has been awarded contracts by the Commonwealth of Australia for the supply and support of the next generation of Light Weight Automatic Grenade Launchers (LWAGL) for the Australian Army. Under the Land 40 Phase 2 project, NIOA will deliver the MK4740mm Automatic Light Weight Grenade Launcher, fitted with Lightweight Video Sight (LVS2) sighting system. The advanced LVS2 provides a new level of capability for light weapon sighting systems with integrated colour video and thermal imaging. Delivery of the LWAGL systems and spares will commence in mid-2016, with systems being systematically introduced into service across the ADF.

NIOA's Managing Director, Mr Robert Nioa, said "We are very excited that NIOA has been awarded these contracts to supply and support the MK4740mm ALGL with LVS2. With the award of these contracts, NIOA will become Australia's only Australian-owned contractor capable of supporting the bulk of the Commonwealth's infantry, direct fire and medium calibre weapon systems. NIOA's engineering and support capability developed under these contracts will become a major component of the Priority Industry Capability (PIC) for support of infantry weapons in Australia, and provides the Commonwealth with a viable option for the support of these weapon fleets. We now look forward to getting these advanced weapons into the hands of our soldiers!"

Established in 1973, NIOA is now Australia's largest privately-owned supplier of small arms, direct fire and medium-calibre weapons and ancillary equipment to the commercial, law enforcement and military markets. NIOA represents more than 50 well respected international suppliers, including divisions of Rheinmetall Defence Germany, ATK USA, Revision Military Canada, Colt Firearms USA, Barrett Firearms USA, Madritsch Weapon Technology and Glock Austria.

QUEENSLAND GASKETS ENTERS A NEW ERA IN DEFENCE CAPABILITY WITH EMI/RFI SILICONE SHIELDING

Particle-Filled Shielding Silicones

Queensland Gaskets supplies manufactured products and sheeting for electrically-conductive silicone elastomers that provide shielding against electromagnetic interference (EMI) and radio frequency interference (RFI). Many of the particle-filled silicones that Queensland Gaskets supply meet the MIL-DTL-83528C specification for military applications. Commercial-grade materials are available for automotive, aerospace, satellite communications, unmanned systems, and other electronic applications that require EMI and RFI suppression.

Cost-Effective, Conductive Materials for EMI Shielding Gaskets

Customers like how the conductive silicones Queensland Gaskets supply offer the right balance between electrical conductivity, EMI shielding and/or RFI shielding, and material cost. Queensland Gaskets can supply a full line of EMI/RFI shielding materials as uncured mouldable compounds, compression-moulded sheet stock, and (in some cases), as continuous rolls. In this way, we can convert conductive silicones into shielding gaskets via the most efficient, cost-effective method.

Frequently Asked Questions (FAQs)

Queensland Gaskets are ready to answer your questions about our new conductive elastomers for EMI RFI shielding. To learn more please contact us todaysales@queenslandgaskets.com.au with your specific query and one of our agents will be in touch.

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EVENTS

VICTORIAN DEFENCE ALLIANCE - SUBMARINES MEETING 13 AUGUST

The Victorian Defence Alliance - Submarines, with support from the Department of Economic Development, is delighted to be hosting a Submarine Alliance meeting on 13 August 2015 at the Investment Centre, Level 46, 55 Collins St, Melbourne. Registration will start at 8.30am and the event will conclude no later than 10.30am.

This meeting will introduce the Alliance members to the VDA-Submarines Committee and provide information on a number of topics relevant to the Future Submarine Project SEA1000. This will include information related to the recent solicitation of industry interest from two of the participants in the Competitive Evaluation Process, TKMS and DCNS.

A detailed agenda will be circulated next week but in the meantime this is a request to please hold the date and register your interest to attend [click here](#)

DEFENCE UPDATE AND GOLF DAY ON TUESDAY 27 OCTOBER.

Please put this date in your diary as this is a major event for AIDN-Vic and it will book out early.

Sponsorship opportunities are available by contacting aidnvc@aidnvc.org.au

Registration info will be sent out soon.

▶ AIDN-Vic NEW MEMBERS



Axalta Coating Systems

Axalta Coating Systems is a leading global company focused solely on coatings and providing customers with innovative and sustainable solutions.

Axalta Coating Systems offers a wide range of coatings for various industry segments including APAS specified military applications, aviation, commercial vehicle, electric motors, pipelines and passenger vehicles.

Our coatings are designed to prevent corrosion, increase productivity and enable the materials we coat to last longer.

Full technical support and training is available throughout Australia and worldwide, delivered either on-site or through our network of fully equipped regional training centers.

Please contact:

Michael Busch

Key Account Manager-Military

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Michael.F.Busch@axaltacs.com



Box Hill Institute - Defence

RTO training and industry support.

Please contact:
Mick Poppelock
Manager – Defence
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Please contact
Ashley Pinder
Director
Phone: 03 9587 9000
pumpt1@bigpond.net.au



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Selex ES, a Finmeccanica company, is an international leader in Electronic and information technologies for defence systems, aerospace, data, infrastructures, land security and protection and sustainable 'smart' solutions. From the design, development and production of state-of-the-art equipment, software and systems to through life support, Selex ES partners with its customers to deliver the information superiority required to act decisively, complete missions and maintain security and protection for operational effectiveness.

Selex ES provides C4ISTAR systems, integrated products and solutions for airborne, land and naval applications delivering mission critical systems for situational awareness, self-protection and surveillance based on proprietary radar and electro-optic sensors, avionics, electronic warfare, communication, space sensors and UAV solutions. Selex ES also owns advanced

technologies, products and capabilities in the design, manufacture and integration of air and maritime traffic control and management systems, the monitoring and protection of green and blue borders, secure communication networks and the deployment of 'smart' solutions for managing systems and infrastructures.

Selex ES is a global business with 17,700 employees, revenues in excess of 3.5 billion euros, main operations in Italy and the UK and a strong industrial and commercial footprint in the US, Australia, Germany, Turkey, Romania, Brazil, Saudi Arabia and India.

Please contact
Mr Julian Day
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Versalux Pty Ltd

Versalux designs, assembles and supplies an extensive & diverse range of lighting equipment. Our product portfolio covers applications for: Commercial, Retail, Industrial, Outdoor, Sporting, Mining, Arduous condition, Refrigeration, Marine, Naval & Offshore.

Versalux Head office and manufacturing plant is based in Melbourne, Australia with offices across Australia and New Zealand employing approximately 80 people. Since its inception in 1979, Versalux has grown into one of the largest and most respected Commercial and Industrial suppliers of high performance lighting equipment in Australia and New Zealand.

We are a customer focused, service oriented organisation delivering quality product through application of innovative technology to the marketplace. Our highly trained technical sales and design staff has the expertise to ensure the correct solution for the most demanding design criteria and lighting requirements. Excellent products, competitive pricing and interaction with Architectural, Consulting engineering, City planning, Interior design, Mining and Shipping/boating fields, ensures Versalux will maintain a dynamic presence in the lighting industry.

Versalux's expertise covers a wide range of lighting sectors, and in response to their diverse requirements the company has defined a number of internal entities.

Architectural.

Commercial, Industrial & Public Arenas. Marine -Recreational, Commercial and Navy.

Mining & Arduous Areas.

Medical.

Street Lighting & Poles

Please contact:
Bruno Campisi
Business Manager
Phone: 03 8878 2000
bcampisi@versalux.com.au



AIDN-Vic CONGRATULATES THE NEW CO-CHAIR OF AEWG

AIDN-Vic would like to congratulate Amanda Holt, Chief Executive Officer for SYPAQ, following her election as co-chair for the Defence Aerospace Environment Working Group. Sypaq have supported AIDN-Vic for over 17 years which is very much appreciated by the association.

Amanda has spent the past 16 years delivering mission-critical software intensive systems to Defence, specialising in C4ISR systems across the Air, Space and Maritime domains.

In her new role, she plans will meet with Director-General Aerospace Development once a quarter to discuss industry emerging issues and capability needs, and to prepare for the annual AEWG meeting.

INNOVATION SHOWCASE @ PACIFIC 2015 - SEEKING EXPRESSIONS OF INTEREST

Expressions of Interest are invited from Industry and Publically Funded Research Organisations (PFRO) to participate in an Innovation Showcase as part of the Pacific 2015 Maritime Exposition to be held in Sydney (6 - 8 October 2015). The Showcase will include a series of short "pitches" aimed at demonstrating Australian innovation, research collaboration and development strengths.

Ten pitches will be selected from each of the participant groups (industry and research organisations), with the pitch session being repeated on each of the three event days (6 - 8 October) nominally between 2pm and 4pm. Ten representatives from the Defence Science and Technology group will also be participating in this event. Preference will be given to those presentations which align with the maritime theme of the event and demonstrate innovation in their technology.

Deadline for Submissions: 12 August 2015

Participants in the three minute (Industry and PFRO) pitches must demonstrate:

- Uniqueness and novelty (i.e. the innovation).
- Australian origins of the concept.
- Application or end goal of the innovation.
- Where future collaboration may be of benefit (and where it is best sourced from).
- Can be openly presented without fear of IP theft.
- Can be explained in an engaging manner to a general audience in 3 minutes.
- Avoid being seen simply as a sales pitch.

The pitch sessions are to be seen as an opportunity to showcase an innovative idea/technology application/product in in early stage of its development (pre-commercialisation) to an audience including Primes, OEMs, Defence customers/users, research professionals, venture financiers and critical/interested peers. In providing this forum on each of the Pacific 2015 trade days participants can take advantage of an advertised event in a prominent area of the indoor exhibition, utilizing a fast paced and engaging presentation approach to ensure audience attention for the entire duration of the presentation. The final day of pitches will conclude with judging to award the "Best pitch", "Best Innovation" and "Maritime Benefit". Participants will be provided training, free of charge (excepting travel), in the art of the "Three Minute Pitch". Participants must agree to attend this training session and a potential further group practice session (one in Adelaide and one in Melbourne).

The Innovation Showcase is a collaborative event supported by Maritime Australia Limited, the Defence Science and Technology group and The Defence Science Institute.

Please submit Expressions of Interest to:

MINISTER VISITS VICTORIAN AUSTRALIAN DEFENCE APPAREL IN BENDIGO

Recently the Minister for Defence Kevin Andrews visited Australian Defence Apparel (ADA) in Bendigo. ADA is an example of Australian Industry partnering with Defence to provide the best equipment for the Australian Defence Force (ADF) at the best price for the taxpayer.

ADA is a clothing manufacturer with over 100 years experience in providing garments for a variety of clients and situations including frontline combat, hard and soft armour, ceremonial dress, industrial work wear and corporate suiting.

ADA employs around 70 people full time to produce the Standard Combat Uniforms (SCU) for the ADF. They are one of two contracted suppliers to undertake this work and can expand their manufacturing capacity when required.

The Abbott Government recognises the significant value to our nation of having a workforce that supports the ADF. We are committed to working closely with Australian industry to bring about a safer and more secure Australia.

Since being appointed Defence Minister in December last year, I have made a deliberate effort to visit defence industry around the country.

It is clear to me that there is much to celebrate about the contribution the defence industry in Australia is making at home and abroad.

To sustain this industry, strong and visionary leadership is required that will lead to a defence industry that is structured to operate effectively and drive efficiencies, and a commitment to a productivity-based culture.

The Abbott Government is prepared to invest in the skills and knowledge base of the defence industry. We are prepared to commit to long-term investment to make sure this important industry enjoys a future in Australia and these critical skills are maintained.

ADA is a fine example of Defence and industry working together for the betterment of the ADF.



FIRST F-35A WITH AUSTRALIAN MADE VERTICAL TAILS TAKES FLIGHT

A Lockheed Martin F-35A Lightning II, known as AF-73, took to the skies on July 17, marking the first flight by an F-35 possessing two vertical tails manufactured by the Australian-based engineering company Marand. Lockheed Martin Chief Test Pilot Alan Norman, flew the sortie lasting 84 minutes.

“The first flight of this particular F-35A marks a monumental achievement for Marand and our dedicated employees,” said Marand Chief Executive Officer Rohan Stocker.

“It has been an incredible journey from the point where we initially bid for this work with BAE Systems to witnessing the reality of our vertical tails being an integral part of the F-35. This is a great moment, and we look forward to continuing to build our future as a global supplier to the F-35 program as well as to other advanced manufacturing opportunities in Australia.”

The first flight of AF-73 is an important milestone for Marand, BAE Systems and Australia, demonstrating the significant industrial benefits the F-35 program brings to the growing Australian aerospace industry. The F-35 vertical tails work is contracted to Marand by BAE Systems. This is one of the largest manufacturing projects for the Australian F-35 program, with 722 ship sets planned.

The F-35 Lightning II aircraft will provide the Royal Australian Air Force with a transformational 5th generation fighter capability and provides significant benefits to the Australian aerospace industry, with more than \$US482 million already contracted.

AF-73 will join the U.S. Air Force F-35A fleet later this year at Nellis Air Force Base, Nevada. In addition to the F-35 Vertical Tails program, Marand is the global sole source of the F-35 engine removal and installation trailer.

BMT GROUP SIGNS SPONSORSHIP FOR THE SUBMARINE INSTITUTE OF AUSTRALIA

BMT Group (BMT), the leading international design, engineering and risk management consultancy, is pleased to announce it has taken on a higher level of sponsorship of the Submarine Institute of Australia (SIA).

Established in 1999, the SIA is the nation's premier organisation for promoting submarine matters. The SIA's objective is to promote informed discussion and research in the fields of submarine operations, engineering, history and commercial sub-sea engineering.

David Bright, Sector Director for Defence at BMT Group says: "Our sponsorship of the SIA will support their work in facilitating informed debate and the sharing of reputable knowledge across the submarine enterprise. We look forward to our continued participation in this community."

BMT has expanded its presence in Australia through its subsidiary BMT Design & Technology, and after a successful ten years in the market, is able to provide a comprehensive range of engineering design, analysis, procurement and sustainment services to support Australia's naval materiel. BMT also benefits from the capabilities of other companies within the group which have knowledge and experience of working closely with Australian clients.

President of the SIA, Andy Keough, expressed a warm welcome to BMT assuming a Ruby sponsorship, commenting: "We like to compare the SIA with the Royal Aeronautical Society, covering as it does the full spectrum of professional involvement in aerospace. The SIA likewise covers the undersea domain and as such welcomes the sponsorship of internationally eminent companies such as BMT to our sponsorship community. That BMT has agreed to take such a high level is a wonderful vote of confidence in the future of the submarine enterprise here in Australia, and provides us with access to impartial and professional international expertise."



BUILDING A MODERN CENTRE OF INNOVATION IN GEELONG

The Commonwealth Government is investing in jobs, innovation and growth across the Geelong region to support its transition from traditional manufacturing to a centre of innovation.

On 6 August, the Government announces that it will base its \$14 million Advanced Manufacturing Growth Centre in Geelong at Deakin University.

The Centre will be integrated with a network of centres across the country.

The Centre will develop a sector competitiveness plan to link local businesses with global companies.

The Plan will identify jobs and skills needs, provide a pipeline of innovations ready to commercialise, and consider areas for reforming regulation, manufacturing transformation and growth.

To support skills for the future in the Geelong region, the Government today announces that Newcomb Secondary College will introduce an industry partnership to better prepare students to enter the workforce.

The Commonwealth has committed \$500,000 towards establishing the Pathways in Technology Early College High School (P-TECH) model at the College in 2016.

The P-TECH school programme will focus on the jobs of the future in science, technology, engineering and mathematics, partnering with local industry, and providing vocational pathways.

To complement these announcements, a further \$1.3 million has been allocated to extend the role of the Geelong Employment Facilitator.

The Government will also establish a new Job Connections Office and Geelong Region Future Jobs Taskforce.

The Geelong Employment Facilitator will continue to assist people affected by Geelong's economic transition and work to identify and deliver new job opportunities across the Geelong region.

A new local Geelong Region Future Jobs Taskforce will be established to identify and promote job creation opportunities. It will be supported by the Employment Facilitator in a new Job Connections Office housed in the Advanced Manufacturing Growth Centre.

The Employment Facilitator and Geelong Region Future Jobs Taskforce will work closely with the Advanced Manufacturing Growth Centre to identify jobs and the skills needs for the region.

To build on the free trade agreements with China, Korea and Japan, access to Austrade's export advisory service will be provided through a TradeStart Office in Geelong. This will give local businesses in the Geelong region access to Austrade's export advisory services across all sectors, enabling them to access these key export markets for future jobs and growth.

DEFENCE INDUSTRY NEWS

LOCKHEED MARTIN TO ACQUIRE SIKORSKY AIRCRAFT AND CONDUCT STRATEGIC REVIEW OF IT AND TECHNICAL SERVICES BUSINESSES

Lockheed Martin has entered into a definitive agreement to acquire Sikorsky Aircraft, a world leader in military and commercial rotary-wing aircraft, for \$9.0 billion. The price is effectively reduced to approximately \$7.1 billion, after taking into account tax benefits resulting from the transaction.

"Sikorsky is a natural fit for Lockheed Martin and complements our broad portfolio of world-class aerospace and defense products and technologies," said Marillyn Hewson, Lockheed Martin chairman, president and CEO. "I'm confident this acquisition will help us extend our core business into the growing areas of helicopter production and sustainment. Together, we'll offer a strong portfolio of helicopter solutions to our global customers and accelerate the pace of innovation and new technology development."

The acquisition is subject to customary conditions, including securing regulatory approvals, and is expected to close by late fourth quarter 2015 or early first quarter 2016. The transaction will have no impact on the company's previously stated commitments to return cash to shareholders through dividends and to reduce outstanding share count to below 300 million shares by the end of 2017.

Lockheed Martin and United Technologies Corporation have agreed to make a joint election under Section 338(h)(10) of the Internal Revenue Code, which treats the transaction as an asset purchase for tax purposes. The election generates a tax benefit with an estimated present value of \$1.9 billion for Lockheed Martin and its shareholders.

The Corporation plans to align Sikorsky under the Lockheed Martin Mission Systems and Training (MST) business segment. MST and Stratford, Conn., based Sikorsky currently partner on a number of critical programs, including the VH-92 Presidential Helicopter, Combat Rescue Helicopter and the Naval MH-60 Helicopter.

Separately, Lockheed Martin will conduct a strategic review of alternatives for its government IT and technical services businesses, primarily in the Information Systems & Global Solutions business segment and a portion of the Missiles and Fire Control business segment. The programs to be reviewed represent roughly \$6 billion in estimated 2015 annual sales and more

than 17,000 employees.

“As global security market dynamics shift, this review will strengthen our competitive posture, enabling sustained, profitable growth and positioning Lockheed Martin to deliver value for customers, shareholders and employees,” Hewson said.

Lockheed Martin is a leading IT and technical services provider around the globe, and with a series of recent wins in the U.S., Europe and Australia, the business is well positioned for the future. However, following recent shifts in market dynamics, Lockheed Martin will explore whether the businesses can achieve greater growth and create more value for customers and shareholders outside of the Corporation. The strategic review is expected to result in a spin-off to Lockheed Martin shareholders or sale of these components.

The IS&GS programs that are not included in the strategic review are mostly focused on defense and intelligence customers and will be realigned into the Corporation’s other four business segments following completion of the review.



FLEXIBLE SKELETON TAKES THE WEIGHT OFF

Some soldiers carry in excess of 85 kg of mission-essential personal equipment. This load can cause fatigue and injury and impact a soldier’s performance.

The current generation of powered exoskeletons uses a complex system of rigid linkages and mechatronics. They are showing real promise in enabling the wearer to lift and move about with very heavy loads.

However, the design and natural movement of the human body tends to battle with the exoskeleton movement, causing a dramatic increase in the user’s energy cost when walking with a load. These systems tend to be heavy (>35 kg), very expensive and power hungry.

Defence science and technology researchers have developed a simple, lightweight (3 kg) fully-passive exoskeleton. This system uses Bowden cables to attached to a rigid backpack frame. The cables run down the back and legs to the base of the boot and transfer approximately two thirds of the backpack load to the ground. This load force bypasses the user’s body, reducing compression forces from the backpack load through the torso and legs.

The benefits of such a system compared to a powered exoskeleton include: simplicity, no requirements for heavy batteries; low cost; easier to integrate with the user and equipment and redundancy when no longer required – remove and add to pack.

The development is at a proof-of-concept stage with early testing showing encouraging results. However, the biomechanics of the system require extensive refinement to ensure it is integrated optimally with the soldier and truly fit for purpose.

While the technology is being developed around use in the military it might be applicable to many civilian scenarios such as firefighting, trekking and personal load carriage roles that require assistive technology.



BAE SYSTEMS PROVIDES GREATER HAWK SUPPORT

BAE Systems Australia has been selected to deliver operational maintenance for the Royal Australian Air Force's (RAAF's) Hawk 127 Lead-In Fighter fleet.

From 1 July 2016, 116 new employees will deliver all maintenance support on the flight line to the Hawk fleet at RAAF Bases Williamtown and Pearce, directly supporting the training of Australia's next generation of combat aircrew. This support includes aircraft launch and recovery; on-site management support; and deployment operations.

Under the change to the existing Hawk Lead-In Fighter In Service Support Phase 3 contract, BAE Systems will now provide the total Hawk sustainment solution, managing both deeper and operational maintenance.

The contract reinforced the enduring partnership between the Company and the Department of Defence in ensuring the Hawk remains an effective training platform.

BAE Systems Australia Director Aerospace Steve Drury said: "By building on the unified approach we have with the Department of Defence to deliver Hawk deeper maintenance, our operational maintenance solution enables a more holistic approach to Hawk support that maximises aircraft serviceability for less cost."

Mr Drury continued: "This outcome is a testament to our people and performance over more than a decade with 78 Wing, 76 and 79 Squadrons and the Tactical Fighter Systems Program Office. We are proud to be expanding our support of this important RAAF capability."

The new operational maintenance arrangement will be phased-in from October this year.

▶ GENERAL NEWS

PERSONNEL CHANGES

Lockheed Martin has appointed a new vice-president and managing director Christine Zeitz of their Information Systems and Global Solutions (IS&GS) Australia and Asia. Zeitz is replacing Julie Dunlap, who led IS&GS in Australia over the last four years. Zeitz is joining Lockheed Martin following a career spanning 25 years with BAE Systems.

NATIONAL VICE CHAIRS OF THE DEFENCE RESERVES SUPPORT COUNCIL APPOINTED

Professor Murray Lampard APM and Ms Jacqueline Pascarl have been appointed as the National Vice Chairs of the Defence Reserves Support Council (DRSC).

Professor Lampard is currently the Chair of the Western Australia DRSC and Chair of the National DRSC Review Team.

Ms Pascarl is the first female appointment to the DRSC National Executive and is thrilled with the opportunity to join the Council.

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 admin@aidn.org.au for assistance with registration.

Aerospace Environmental Working Group (AEWG)

The next AEWG will be held on Thursday 17 March 2016 in Canberra from 0900h till 1600h. This AEWG will focus on the 2015 Defence White Paper, Integrated Investment Programme, the progressive implementation of First Principles Review and Plan Jericho. More details will be provided on Govdex.

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 next MEWG will be held on Tuesday 1 December 2015 in Canberra. More details will be provided on Govdex.

Synthetic Environmental Working Group (SEWG)

The next meeting of the SEWG will be held on Wednesday 19th August from 12:30 - 13:30 in Adelaide.

▶ UPCOMING ACTIVITIES

ADM Defence Estate and Base Services Summit

Enhancing innovation in defence service delivery

DATE: 22 September 2015, Canberra

ENQUIRIES: ADM Events – Adam Wiltshire

TEL: 02 9080 4321

EMAIL: adam.wiltshire@informa.com.au

Faced with the biggest reform for 40 years, budget cuts and organisational change, Defence is presented with a new paradigm – how to effectively innovate and deliver value for money services to support our armed forces in the wake of a changing fiscal and operating environment.

Effective partnering between defence and industry will continue to be critical to fostering a culture of innovation, constructive reforms and the achievement of mutually beneficial outcomes in the provision of defence support services.

ADM Defence Estate and Base Services Summit will have a theme and focus on 'Enhancing innovation in defence service delivery' and will examine the 2015 White Paper, the First Principles Review and what this means, current & future reforms, total asset management, BIM in defence and non-material procurement.

Northern Australia Defence Summit

DATE: 28-29 October 2015, Darwin

ENQUIRIES: ADM Events – Adam Wiltshire

TEL: 02 9080 4321

Safeskies 2015 Conference

LOCATION: Canberra, ACT

VENUE: Hotel Realm

DATE: 23 Sep – 24 Sep, 2015

ORGANISER: Safeskies

PHONE: 02 6281 6624

EMAIL:

safeskiesconference@conlog.com.au

The Safeskies Conference is regarded as one of the most pre-eminent aviation conferences in Australasia and globally by the aviation safety industry as an outstanding and highly informative event.

Safeskies Australia Conference was presented the Federation Aeronautique Internationale prestigious aviation award, the Honorary Group Diploma for Aeronautics in 2010.

The Safeskies Conference facilitates the exchange of information and ideas between regulators, investigators, governments, civil and military aviation operators and academia.

MilCIS 2015

DATE: 10-12 November 2015, Canberra

WEB: www.milcis.com.au

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

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.

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

EMAIL: adam.wiltshire@informa.com.au

systems.

For more details on overseas events please check the AIDN web site under Whats News/Defence Information.

As Northern Australia continues to establish itself as a key military and strategic region for the ADF and its partners, further investment is needed to support the multitude of major defence projects and the necessary infrastructure required for their operation. The north has proven to be an attractive and resourceful location for defence/industry with close links to the Asia Pacific, a strong economy, existing military presence & capabilities, and accessible land which together provide many opportunities for growth and development in the region.

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.

We are currently in the process of developing the 3rd Annual Northern Australia Defence Summit program. If you are interested in getting involved, please contact us.

Submarine Institute of Australia
Technology Conference

DATE: 17-19 November, 2015, Adelaide
Convention Centre

ORGANISER - David Nicholls
(Executive Manager)

TEL: 0413 133 391

FAX 02 8076 3262

WEBSITE:

<http://www.submarineinstitute.com/sia-conferences>

Postal Submarine Institute of Australia,
PO Box 180, Kippax ACT 2615

Over three days a wide range of issues will be addressed reflecting the theme of the Conference: The Future Submarine: Australia's greatest Science, Technology and Engineering Challenge? In a year where the Government has promised to select its design partner for the Future Submarine, the Conference acts as a pivotal week in the submarine calendar. The program includes tours of submarine-related industry and academic institutions, an Opening Reception and three days of high quality presentations from the cream of the submarine community.

For more details on overseas events please check the AIDN web site under Whats News/Defence Information.

AIDN ACTIVITIES LIST FOR 2015

August	13	VDA-Submarines Meeting	AIDN-Vic
	20	AIDN-Qld Meetinghosted by Nova Systems	AIDN-Qld
September	10	AIDN-NSW Annual Dinner	AIDN-NSW
	17	AIDN-Qld Meetinghosted by Ferra Engineering	AIDN-Qld
October	15	AIDN-Qld Meetinghosted by Sikorsky/Helitech	AIDN-Qld
	27	AIDN-Vic Defence Update & Golf Day	AIDN-Vic
	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
Phone: 08 8999-6207
xo@aidnnt.com.au

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DTC
Phone: 08 8260 8256
business@dtc.org.au

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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