



NATIONAL NEWSLETTER No 4 of 2015

Quote of the month

"Winners lose much more often than losers. So if you keep losing but you're still trying, keep it up! You're right on track."

- **Matthew Keith Groves**

In this issue

[AIDN NATIONAL NEWS](#)

[AIDN-New South Wales](#)

[AIDN-NSW MEMBERS' NEWS](#)

[AIDN-Northern Territory](#)

[AIDN-NT NEW MEMBERS](#)

[AIDN-NT MEMBERS' NEWS](#)

[AIDN-QUEENSLAND](#)

[AIDN-Qld NEW MEMBERS](#)

[AIDN-Qld MEMBERS' NEWS](#)

[DEFENCE TEAMING CENTRE \(DTC\)](#)

[DTC NEWS](#)

[AIDN-VICTORIA](#)

[AIDN-VIC NEW MEMBERS](#)

[AIDN-VIC MEMBERS' NEWS](#)

[AIDN-Western Australia](#)

[AIDN-WA MEMBERS' NEWS](#)

[DEFENCE INDUSTRY NEWS](#)

[GENERAL NEWS](#)

[UPCOMING ACTIVITIES](#)

▶ AIDN NATIONAL NEWS



ANZIDECC CLOSING SOON

Ed.34 2015/16 BOOK CLOSING SOON

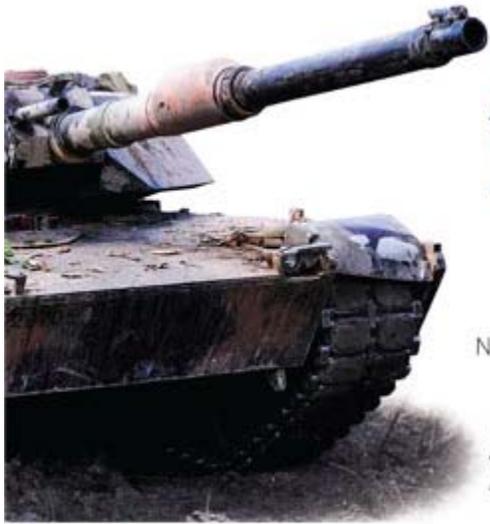
The Australian + New Zealand Defence Directory have asked AIDN to remind members that their annual 2015/16 edition directory is CLOSING SOON.

The team are also happy to hear from any AIDN members who wish to take advantage of a free listing on the key capability document of Australasian defence.

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

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

For inclusive support options please contact Kynan.bolger@jpmmedia.com.au, call Kynan Bolger (Product Manager) on 0434 618 451 or visit www.defence.directory



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▶ AIDN-New South Wales

MESSAGE FROM THE PRESIDENT

Hello from the NSW chapter,

This month has again been relatively quiet. Some of you will have already noticed that we have changed our financial arrangements with new invoices now being produced and distributed by Jenny Pitt. She is also in the process of giving new details to all those who have an invoice outstanding under the previous arrangements. Using MYOB in the Cloud and new accounting support, we are expecting this area to run much more efficiently.

Post the NSW Govt election, we have resolved a new way forward to engage with and receive continued support from State Govt, and we will keep you across this as it evolves.

I have also been involved in another two functions concerning the maritime sector. I was part of the DSME presentation on their bid and AIC needs for Navy's new supply vessels. And I took part in a session with the NSW/ACT BAO and the DIIC on cooperation in the sector. The sector remains a high priority and I again urge you to ensure you have informed us of all your capability in it.

Finally, please ensure you have our AGM in your diaries for 10th June (see detail separately). And if you have an inclination to assist on the committee, please let me or John Small know.

Regards,
Medhat Wassef
NSW President

APRIL BREAKFAST - 23rd APRIL ROCKWELLCOLLINS AUSTRALIA

There was a strong attendance at Rockwell Collins Australia's Lane Cove facility where the company showcased their newly-opened JSF DAS electro-optic sensor manufacturing facility and their advanced battlefield simulation and detection capabilities for Army. Chief Executive Nick Gibbs also gave an overview of the company and opportunities for cooperation in the future.

MAY BREAKFAST

Arrangements are still being finalised for the 28th May.

AGM FOR THE 2014 FINANCIAL YEAR

Our AGM is at 12.30pm on 10th June at the MLC Centre. We also believe we will be able to close out the adjourned 2012 and 2013 AGMs with finalised financial accounts. Following it, we will have a presentation by Ian Irving, Chief Executive Australia for Northrop Grumman. Please put this in your diaries.

ANNUAL DINNER

We have settled on 10th September for our Dinner this year and will be maintaining our usual high standard. We will advise details as they are confirmed.

What distinguishes PPI from other training providers?

Project Performance International has been delivering leading-edge project improvement training since 1992. Why do we claim to be the best?

ACCESS - PPI regularly delivers training on six continents (we are searching for a client in Antarctica!).

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AIDN NSW LINKEDIN GROUP

Join the group and see the latest topics at: [Click Here](#)

EXECUTIVE COMMITTEE MEETINGS

Your committee has not met since the last newsletter:

▶ AIDN-NSW MEMBERS' NEWS

SOS MARINE SAVING LIVES BY DESIGN

Marine safety equipment has an unglamorous life – designed to stay out of the way as much as possible until a life-threatening emergency. Then it has to work perfectly, first time, every time.

Thanks to its vast experience and strengths in design, Australian company SOS Marine's products have been delivering on the promise for more than 30 years. SOS Marine started by providing safety equipment for water sports in the early 1980s. The Sydney based retail operation quickly developed a reputation for delivering products that saved lives, fitting out more than 90% of Sydney's 18-footer sailing fleets and two maxi-class racing yachts, before moving in to the highly-demanding world of defence.

Selling other people's equipment yielded great background knowledge of what works and what specialist customers really need, which was all added to the mix when the company began designing its own equipment for marine scenarios from water rescue to high-risk tactical operations. SOS Marine now provides specialist safety equipment to 12 defence forces and a myriad of public safety agencies worldwide, including Australia's elite forces, navy clearance dive team and army bomb squad.

Its client list is a who's who of agencies and forces conducting serious operations in marine environments, from the Australian Defence Force, Australian Customs, Immigration, Water Police Australia-wide, Federal Police, Marine Rescue and Pilots, ambulance services, even mining and construction industries and the Commonwealth Scientific and Industrial Research Organisation (CSIRO). The company's global footprint now includes New Zealand, Malaysia, Brunei, Singapore, Canada, Norway, Europe, United Kingdom, Belgium, Poland, United States and the United Arab Emirates.

SOS Marine has provided inflatable lifejackets for the Royal Australian Navy for 20 years, and 10,000 more for Gulf Region Defence Forces, plus 25,000 field packs for the Australian Army. The company supplies Australia's elite forces with specialist assault swimmer's buoyancy vests, waterproof drop bags, load-bearing vests and diving buoyancy compensators, built to survive the rigours of parachuting and fast roping. The Australian Navy clearance diving team uses SOS Marine low-magnetic diving buoyancy compensators, shown to outperform the NATO Min Mag Standards, for mine countermeasures and marine tactical operations. Sydney Olympics Police and Special Air Service security personnel used SOS Marine equipment. So did the athletes, with SOS Marine providing the official uniform dress bag.

The New Zealand Navy has implemented the SMS Marine Boarding Party Vest across its fleet.

SOS is always developing new products, such as the recently released SMRTSOS Dan Buoy. The Dan Buoy is a self-inflating buoy designed to provide rescuers with a highly visual marker for a person in the water. Once thrown into the water, the SOS Dan Buoy also sends out an alert signal automatically, transmitting GPS coordinates to a vessel's chart plotter. The SOS Dan Buoy can also provide flotation for the casualty.

Managing Director Ross Spencer believes the company's success stems from a combination of design flexibility and attention to quality, underlined by world-recognised DNV Quality ISO9001 accreditation.

"SOS Marine's experience provides flexibility to be adaptive with a wide range of design customisation of products, from the basic design to the most complex," he said. "Several of SOS Marine's award-winning products hold international patents and have NATO approval." [Courtesy of ADM](#)



▶ AIDN-Northern Territory

AIDN-NT NEW MEMBERS



Ngarda

From the outset, Ngarda established a company structure that could aspire to a very special vision to improve the lives of Indigenous people in Australia. Ngarda has a strong reputation and proven project record in providing employment and training opportunities for Aboriginal people in the Pilbara region, where we have extensive experience in civil and mining projects.

We take great pride in maintaining a strong emphasis on safety and environment. Ngarda focuses on delivering quality services in accordance with relevant standards to ensure the business objectives of both our clients and our business are met.

We believe in a culture where any harm to employees, subcontractors or visitors is unacceptable. Ngarda provides leadership and proactive commitment to occupational health and safety through systematic management controls, which include prevention measures, injury protection, health preservation and health promotion.

Ngarda provides a full spectrum of services to facilitate strong and consistent project delivery for whole-of-mine operations and civil infrastructure works. In doing so, we also work to provide training and support services to maximise the capability of Indigenous workers, so they are able to participate and grow within their own communities



Overland Plumbing NT

Looking for a family owned and operated plumbing business in and around Darwin?

Then the team at Overland Plumbing NT are the ones to call. With a reputation for providing professional results every time with reliable plumbers who have experience and work as a team to fix leaking taps and toilets, clear blocked drains, Overland Plumbing NT will gladly give you a competitive quote for your next project.



Gusher

Gusher has a long history operating in Darwin tracing back to 1970. In that time we have provided a range of construction related services throughout the territory and top end, including:

- Commercial and Industrial Construction Residential Construction and Subdivisions
- Minor Works and Maintenance Office Fit-outs and Refurbishment
- Civil Construction

We would be pleased to have the opportunity to be involved in your next project.

United Forklifts and Access Equipment Solutions

United Forklifts and Access Equipment Solutions, previously known as United Equipment, has been operating strongly since 1973. The company has recently rebranded with a new name and style following our successful growth over the last 3 years. Our ambition is to be the best lifting solutions business in Australia. The change in name was to demonstrate more clearly what we are all about. When businesses want materials handling or access equipment, such as forklifts, telehandlers, scissor lifts or boom lifts, we want them to think of us first. With offices in most states across Australia, we offer a huge range backed by a service and support network second to none.



Aurecon

Aurecon provides engineering, management and specialist technical services for public and private sector clients globally.

With an office network extending across 27 countries, Aurecon has been involved in projects in over 80 countries across Africa, Asia Pacific, the Middle East and the Americas and employs around 7 500 people throughout 12 industry groups. We seek to foster human achievement in all aspects of our work.

Aurecon has a client centric business model that gives us the agility to deliver the full range of our services globally. We create best teams for our key clients, develop strong client relationships and deliver market leading solutions.

Our clients benefit from our collaborative business model as it nurtures the development of market leading expertise across their industries. Our technical professionals develop business advantage for our clients based on deep understanding of the industries in which they operate.

Aurecon's values form the foundation of our commitment to our client relationships; our promise to our people; and the contribution we make to the communities in which we live and work.

- We foster human achievement through excellence, innovation and collaboration
- We respect others by celebrating diversity and acting with integrity and honesty
- We work to build a vibrant and brighter future for all

We aim to set industry standards, benefit communities and make a significant contribution throughout the developed and developing world.

AIDN-NT MEMBERS' NEWS

NEW STRATEGIC DIRECTION FOR DEFENCE IN NT

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

"Defence is already a significant contributor to the NT economy, adding \$1.5 billion or almost seven 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 overarching Strategy for Defence in the NT."

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)

Board members are appointed for a two-year term. The group met for the first time last month. [Courtesy of ADM](#)

AIDN-Queensland

EVENTS

The May Members Meeting will be hosted by Thales Protected Vehicles at the company's Eagle Farm facility at 1730hrs on Thursday 21 May 2015.

The 2015 AIDN-Qld Formal Dinner will be held on 11 June 2015 at the United Service Club. All AIDN members are welcome.

▶ AIDN-QLD NEW MEMBERS



Goal Professional Services Pty Ltd (QLD)

Goal Professional Services Pty Ltd provides independent project review, governance, business development, programme and project management services, including consultancy and training, directly to the Defence, Government, public and private sectors worldwide. We offer impartial and objective advice in our domains of expertise, and deliver a full spectrum of services, providing a one-stop shop to our clients. Our organisational competencies include: Business Development, Strategy, Implementation Planning, Governance of Change, Business Analysis, Bid Management, Program Management, Program Office, Organisational Change Management, Project Management, Risk Management, Procurement and Contract Administration, Transition Planning, Integrated Logistic Support, Benefits Management.

We offer the following:

Products - off-the-shelf offerings used to rapidly improve the efficiency and effectiveness of your teams. These include our SME Project Framework for Small - and Medium-Sized Enterprises, and our standard courses based on industry-standard methods such as the PMBoK, PRINCE2 and MSP. Services - offerings designed to address organisation-specific issues and get you up and running quickly. These include advisory consulting; interim management of bid teams, programs, projects and program offices, customisation of our standard training products and development of new products. Solutions - these are customised packages of our services and products designed to provide comprehensive solutions to your change concerns. Goal's offerings work together to support the sustainable improvement in delivery capability for organisations. Goal provides a sustainable change from raised competence, delivering long-term value and benefits to your organisation.

Please contact:

Mr Jeff Goltz

Logistics Management Support

Phone: 07 4577 8251

jeff.goltz@defence.gov.au



Hetech Pty Ltd

Hetech is an established Electronic Design and Manufacturing company in Brisbane, Australia. We have been providing customer specific solutions and concept-to-delivery products for over 25 years. We have earned a reputation in the market as a quality electronic design and manufacturing company

Experience & Quality

Hetech's team includes experienced electronics design engineers. They are backed by an experienced production team, the latest production machinery, and companywide Quality Assurance procedures including IPC standards, UL approved boards and ISO9001:2000 certification. We thrive on producing high quality products with a fast turnaround rate.

Diversity & Price

Hetech's core belief is to offer its customers choice and competitively priced products and services. More than ever, the current global market demands cost effective products. In order to achieve this, Hetech's strategies include in-house manufacturing and design, diverse component sourcing, high volume outsourced manufacturing and strategic interstate alliances with

electronic design companies.

Hetech's has designed and manufactured products for a diverse range of industries and markets including:

Mining, Rehabilitation Equipment, Weather Sensors, AC/DC Motor Controllers, Water Treatment, Agriculture, Refrigeration/Cooling, Meat Processing, Automotive, Building Industry.

Please contact
Mark Steiner
Managing Director
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msteiner@hetech.com.au



Nortec Employment & Training

Disability Management providers for Department of Human Services.

Please contact:
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Recruitment Consultant
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PJ Bowers Pty Ltd

With our current key customers in Defence and Construction we are able to supply the following: CNC Cutting, Fast Wire, Test and Tag Water Jet cutting, Hot Wire, CAD Drawing, Laser Engraving, Splitter/Press, Tool Control, Shadow Boards, Case Inserts, Internal Packaging, Assist with Design for packaging, after sales service

▶ AIDN-QId MEMBERS' NEWS

TANK TRACKS TO AIRCRAFT BRAKES, MA SPARES DELIVERS FOR DEFENCE

It may surprise some to know that operators of military hardware often face the same complications as their civil colleagues when sourcing spare components for ongoing maintenance.

Where do you find track links for a main battle tank or brake components for an F/A-18 Classic Hornet fighter jet, long after those supplied with the initial purchase are life expired? For the Australian Defence Force, the answer is MA Spares.

Queensland based Military and Aviation (MA) Spares has supported defence and defence prime contractors for more than a decade, providing replacement parts across the spectrum of military equipment from aircraft and helicopters to soldier systems, armoured vehicles, warships and guided weapons. The sheer variety of parts sourced and supplied seems limitless.

“On a weekly basis we supply critical spare parts to defence that range from aircraft brakes and flight controls to M113 track wheels, to engine spare parts fitted to Australian warships,” said MA Spares managing director Steve Drinkwater. “We also supply a lot of hardware, nuts, bolts and rivets, along with consumables like paint, sealants and chemicals to defence and defence primes.”

MA Spares’ North Ipswich head office is sited close to RAAF Base Amberley. It is the hub for all customer relations, requests for quotes and purchase orders from Australian and overseas customers.

MA also has a wholly-owned US subsidiary in Seattle, Washington State, which deals with American Original Equipment Manufacturers (OEMs) and handles US export regulations, including the US International Traffic in Arms Regulations (ITAR).

“Customers within Australia include the Australian Defence Materiel Organisation (DMO) who support, and in most cases are the procurement agency for the Air Force, Army and Navy, several defence maintenance contractors and commercial customers,” Drinkwater said. MA Spares also serves customers in South East Asia, including the Royal Malaysian Air Force and Philippines Air Force.

“This variation in our customer base allows the company to understand the stringent regulatory requirements governing the supply and use of aeronautical product and military materiel.”

MA Spares also handles aircraft life support and ground support equipment and has several exclusive distributorships including Mahindra (OEM for the GA Airvan and Nomad aircraft), GEC aircraft and heavy vehicle weight scales and Sun Aero (Aerowing) for aircraft fuel leak detection equipment.

“We’re always looking for new OEMs, particularly overseas companies that need a local company to market and distribute their product in to Defence in Australia,” Drinkwater said.

The company’s ability to deliver was recognised with a Supplier Excellence Award from Boeing Defence Australia in December 2014. [Courtesy of ADM](#)

Q&A: HIRE INTELLIGENCE TALKING BUSINESS

Q. Tell us about your company and your defence-related business.

A. What is your primary area of Defence business? Our primary area is in the area of Meetings & Events providing the short term hire of technology such as iPads, video walls and the like. We recently hired 30 iPads to the DoD for a conference at Russell NSW. We also do some short term project work such as the hire of high end servers for short term projects, and also do supply of laptops/desktops for training.

Q. Are you looking to expand this – or diversify?

A. We are always looking to expand/diversify, we would love to grab a greater share of the photocopier/MFD market share whereby we provide our A3 copier/multifunction units into defence departments for their everyday use, all consumables (toner), service & maintenance of the hired equipment supplied through us and a single monthly invoice. We are also looking to offer managed services, whereby all hardware, software and the support of these needs are provided by us and again invoiced in a single monthly invoice. We have also been expanding our product range to Test & measure equipment such as data loggers, meters, oscilloscopes, thermal imaging cameras.

Q. Do you have new technologies that apply to Defence?

A. Nothing particular to Defence, as above the test & measure equipment is doing a brisk trade, but all new technologies, be it tablets, video walls, real & virtual servers all have a place in defence – particularly when it comes to the Meetings & Events space.

Q. Do you have a significant achievement in Defence or related business you want to publicise?

A. We were contracted by Brisbane Convention centre to supply well over 140 TV panels on floor stands for the G20 Summit in November. At the same time we had over 30 photocopiers and a significant number of PC’s, laptops, printers, monitors, phones and 4G hotspots on rent to over a dozen foreign embassies who set up temp offices in and around high end hotels in Brisbane, but also in Melbourne, Canberra and Sydney. [Courtesy of ADM](#)



THALES OPENS NEW AUSTRALIAN SITE IN TOWNSVILLE

Thales has strengthened its support to the Australian Defence Force with the opening of a new facility in Townsville, Queensland.

Major General Paul McLachlan, Head of Land Systems at the Defence Materiel Organisation, officially opened the facility in a ceremony also attended by Townsville MP Scott Stewart, representing the Premier of Queensland, plus Thales Australia CEO Chris Jenkins and other employees.

The team in Townsville will primarily support the ADF's life-saving Bushmaster vehicles, which have proven so effective in protecting Australian troops on operations.

The Townsville facility will supplement the company's main Bushmaster support centre at Eagle Farm, Queensland, and also the protected vehicles manufacturing facility in Bendigo, Victoria.

Kevin Wall, Thales Australia's Protected Vehicles Vice President, said: "We are committed to providing the best support for the Bushmaster fleet around the country, and our investment in this new facility will deliver convenient services close to a major Army base."

DEFENCE ENHANCES AIR FORCE SMART BOMBS

Recently the Defence Project to enhance Air Force's 'smart bombs' achieved a significant milestone with the acceptance of the first production set of Australian designed and manufactured range-extending wing kits.

Known as the Joint Direct Attack Munition (JDAM), and manufactured by Boeing Defense, Space and Security, smart bombs provide an all-weather precision strike capability for Air Force.

The first set of production wing kits was delivered by Boeing today at Ferra's Brisbane-based production facility.

Speaking at the delivery of the first production set of range-extending wing kits, the Defence Materiel Organisation's Head of Helicopter Systems and Guided Weapons Division Rear Admiral Tony Dalton said one aspect of the JDAM enhancement program had been to test, certify and manufacture a range extending wing kit for the smart bomb.

"This successful project has taken an Australian idea and through an international collaboration, has turned it into a reality," RADM Dalton said.

"These range extending wing kits almost triple the baseline range of the current smart bombs.

"These wing kits were developed by the Defence Science and Technology Organisation and are being manufactured by Ferra Engineering under contract to Boeing," he said.

Test and evaluation flight trials of the new extended range smart bomb were successfully conducted at Woomera in December last year, with the weapons landing within metres of their designated targets.

TAE SIGNS CONTRACT WITH DMO

TAE, has announced that it signed a contract with the Defence Materiel Organisation to provide program management, deeper

maintenance, engineering and supply support for the Honeywell AGT1500 engine that powers the Australian Army's M1A1 Abrams main battle tank. In other positive news for the company it has also recently announced its selection as the regional maintenance, repair, overhaul and upgrade provider for the Pratt & Whitney F135 engine that powers the F-35 Joint Strike Fighter.

BADGE AWARDED FURTHER DEFENCE PROJECTS

BADGE have recently been awarded two projects for Department of Defence, one being Building 550 & 497 Security Upgrade Project at RAAF Base Edinburgh consisting of two building upgrade, Buildings 550 (92 Wing) and Building 497 (Radar Surveillance Unit), and our most recent Edinburgh Laser Laboratory Rationalisation, Chilled Water and Electrical Upgrades. This will create four spatial zones allowing room for development and understanding of high power lasers.

AVIATION MANAGER APPOINTED IN SOUTH AUSTRALIA

GHD is pleased to announce the appointment of Jessie Ellis as Manager Aviation – South Australia. Based in the Adelaide office, Jessie brings more than nine years' experience to this role having worked on a variety of projects across the Defence and transport sectors. She has significant experience in infrastructure design management, multidisciplinary site investigation, slope remediation, and construction supervision. Her team is currently delivering major Defence projects including Air 7000 Phase 2B and P0006.

US NAVY BUYS CODARRA'S SELA SOFTWARE

The US Navy Air Station at Pax River has acquired Codarra's Electrical Load Analysis (ELA) software. Codarra's ELA has become the benchmark in modelling electrical systems in aircraft and other platforms. Originally designed to support the Blackhawk helicopters, the ELA has become widely accepted in the aviation industry. Lockheed Martin aeronautics has been using the ELA for its C130Js for 10 years and has accepted it as a corporate tool.

CADGILE CELEBRATES 10 YEARS

Cadgile, a leading SA Computer Aided Design (CAD) company celebrated its 10th anniversary on April 18. Founded by Managing Director Gary McRae and business partner Alistair Steven, Cadgile has supplied over 200,000 hours of CAD Drafting to their clients including major Defence primes, and is now the largest independent CAD services provider in Adelaide.

"We've come so far and have so far to go, we have a great Defence team" said Mr. McRae. For Sandy Donaldson, this year is particularly sweet, with added acknowledgement as Adelaide Lawyer of the Year in the field of Intellectual Property.

AUSTRALIAN SUPPLIERS GATHER FOR COLLINS CLASS SUBMARINE SUPPLY CHAIN FORUM

More than 70 Australian-based suppliers gathered at ASC for a Collins Class Submarine Supply Chain Forum on Friday, 1 May 2015

Held at ASC's submarine construction and maintenance facility in South Australia, the forum brings together the various elements of the submarine supply chain to further build relationships with the aim of ultimately increasing submarine availability and reliability.

Following the Coles Review of submarine maintenance and the establishment of the Submarine Enterprise – the close collaboration between the Defence Materiel Organisation, Royal Australian Navy and industry – significant improvements are being made to the submarine supply chain.

ASC General Manager Collins Class Submarines, Paul Gay, says ASC is committed to supporting a sustainable submarine industry base.

"One of the greatest challenges in meeting submarine availability targets is the ability to have the right parts at the right time and following reforms we now directly manage 92 per cent of Collins' inventory," Paul said.

"Those reforms have led to significantly improved inventory management which is a key enabler to improving performance."

"The supply chain improvements, along with other productivity initiatives, have led to what John Coles described as a 'remarkable transformation'. We are on a journey to achieve international benchmark standards but of course, there is still more work to be done."

"The Collins Class Submarine Supply Chain Forum gives us the opportunity to further enhance our existing relationships to encourage learning, development, innovation and collaboration within the submarine industry supply chain.

“ASC’s submarine suppliers range from large multi-nationals, through to small to medium enterprises and local sole trader operations, so the importance of this program to Australian industry and the flow-on effect through local suppliers around the country cannot be understated,” he said.

Approximately 90 per cent of the suppliers in the Collins Class maintenance program are Australian-based, up from 70 per cent during the build phase.

The forum was attended by 140 participants from ASC, industry, Defence Materiel Organisation and South Australian government representatives, where they heard from Collins supply chain experts, took part in supplier workshops and took a tour of ASC’s facilities at Osborne.

▶ AIDN-Victoria

EVENTS

Industry Intern Program Breakfast

Wednesday 3 June @ Matthew Flinders Hotel

AMSI (Australian Mathematical Sciences Institute) Intern is an innovative national program working across industry, building links between universities and businesses.

AMSI Intern has partnered with the Defence Science Institute (DSI) to access high-end quantitative and analytical expertise from within Australia’s leading universities to benefit DSTO and the defence industry.



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



OUR SERVICES INCLUDE:

- **EMC** (inc. Radio frequency interference emissions and Susceptibility)
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- **Climatic Testing** (inc. Temperature and Humidity)
- **Mechanical Testing** (inc. Shock and Vibration)
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- **Accelerated Ageing** (inc. Salt fog and UV)
- **Design and consulting** (inc. EMC and Test Fixtures)

SOME OF THE DEFENCE TEST STANDARDS WE OFFER:

- MIL-STD-461F*
 - 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

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▶ AIDN-Vic NEW MEMBERS



Amog Consulting

AMOG Consulting's Defence Support Services

Leading edge engineering design and analysis in specialist fields are at the core of AMOG's services. Drawing on theoretical and practical insights, our team thrives on the application of advanced analysis techniques and design practice to complex engineering problems.

Specialist areas of application include design engineering for marine and mechanical systems, fire and smoke modelling (incorporating risk and consequence assessments), exhaust and discharge dispersion studies, management and upgrade of mechanical and structural assets, wharfs and berthings, mooring systems, road and rail tunnels, sea-keeping and mine blast effects,

Specific services include:

- Risk Assessment
- Safety Case Management
- System Safety Training
- Structural Engineering
- Hydrodynamics
- Naval Architecture
- Coastal Engineering
- Computational Fluid Dynamics
- Fire and Blast Modelling
- Finite Element Analysis

- Physical Model Testing

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Hide Away Safe Securities Pty Ltd.

Established in 1990 on a small acreage in Wangaratta Victoria the Hide Away Safe Co remains a passionate Australian owned SME family company.

Customising, assembly and head office remains in country Victoria while manufacturing is in Melbourne.

It is without question 'the global leader in security portability' – There is no other comparable product worldwide which can achieve the benefits that the Hide Away Safe System can.

In 2005 our products were endorsed for use in the most stringent security applications within Australian Commonwealth departments and agencies for the secure storage transfer and carriage of National Security Classified Material.

Our initiative and innovative spirit allows us to work alongside potential clients to develop a diverse range of high security containers and accessories.

The Hide Away Safe System secures a range of items as diverse as; crypto gear to explosives, office backups to micro electronic systems, from handguns to laptop computers and from private documents to highly sensitive Government/military Top Secret classified materials.

It can be used as a standalone safe, as an electronic storage facility, as a fire egress safe, as a mobile security system or as a transit safe sent by courier or Post.

It is easily concealed, installed in minutes and relocated within seconds into other docking stations secured in a variety of locations such as offices, homes, vehicles, vans, boats, submarines and aircraft.

Simply one Hide Away Safe – multiple secure locations.

It can take an incredible amount of physical abuse yet retain its secure integrity despite its light-weight state of the art Lexan polycarbonate construction.

It can be secured by a variety of locking systems, it could include a fully integrated audit trail, be alarmed or be part of a wire free access control system or even have sophisticated on-board camera surveillance.

There is a minimal 'through life cost' in investing in the Hide Away Safe System. We are approved defence suppliers – our NATO (NCAGE) Code is Z0MY0 – we are DMO LoRS certificated.

While the greater market place in general are unaware of our existence we continue to design and produce cutting edge, multi-faceted secure container systems for DOD through Land 121 3A3B5B Project Overlander, to every Police force in Australia, numerous other government departments, hundreds of large and small companies and thousands of small businesses and individuals and travelling Australians.

This anonymity is a pre requisite for sales into many organisations and to individuals which means that selling the Hide Away Safe needs to be done with great discretion, usually face to face, ensuring the privacy of the buyer. Only a 100% Australian owned SME can offer this level of personalised service.

Please contact:

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CEO

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Interchem Pty Ltd

Interchem is a specialty distributor of chemical raw materials and RTU specialty greases and lubricants.

Please contact:

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General Manager

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Simdikoff Group Est. 1997

Simdikoff and Sons Pty Ltd

We are the authorised agent of PHM Technology Pty Ltd for Eastern Europe and the Middle East. We specialise on process optimization in Defence, Aerospace, Mining, Oil and Gas, Shipbuilding and similar industry sectors.

Our product is unique by offering a model based platform for identifying functional paths between the components of the platform, which resulted on average between 10 to 15 times more potential failures in comparison to contemporary methods.

Our method is objective rather than subjective current methods to speed up the development process as well as it allows to start FMEA from the first day of a concept stage.

Please contact:

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Trakka Corp

Specialised in design, manufacture and innovation of high-powered searchlight solutions for airborne, marine and land-based operations internationally.

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▶ AIDN-Vic MEMBERS' NEWS



*The US Special Forces in Lebanon are flying Australian designed and built Aerosonde 4.7 UAVs on operations against ISIL.
PICTURE: US Defence*

FROM MELBOURNE TO LEBANON

FROM MELBOURNE TO LEBANON

Australian designed and built Aerosonde 4.7 MALE UAVs are being flown in Lebanon by US Special Forces on missions against ISIL forces over the country's north-east border with Syria.

The UAVs are built by Aerosonde at Notting Hill, a suburb of Melbourne. Aerosonde was acquired by AAI, a US company and the builder of the Shadow UAV which is operated by several Asia-Pacific defence forces. AAI is a subsidiary of Textron which also owns Cessna, Beechcraft and Bell Helicopters.

The US is assisting Lebanon as part of its move against the ISIL in the Middle East. Local reports say the US is operating two Aerosonde 4.7 unarmed reconnaissance drones out of Hamat air base near Batroun, 50km north of Beirut.

Their operation is contracted to a division of Textron under a three year US\$700m contract.

The Lebanese have two Cessna 208 Caravans, one of which is armed with Hellfires. It appears its vintage Hawker Hunters have been retired.

Australia has six Boeing F/A-18A Hornets working from the UAE on missions against ISIL in Iraq as well as an Airbus KC-30A aerial refueling tanker and a Boeing E-7A Wedgetail AEW&C system working with several Western nations.

However the Australian aircraft do not operate over Syria. Single seat Australian F/A-18A Hornets recently replaced its six F/A-18F Super Hornets in the UAE. The air force says the single-seat aircraft is as capable as the two seat F-18E in ground attack.

There is an expectation the radicals will launch a 'spring offensive' as the weather improves in the northern hemisphere.



WILCOX - MADE IN AUSTRALIA

A major milestone occurred recently, when Graeme Bulte CEO and Founder of Melbourne based company Aquaterro, presented Australian Prime Minister Tony Abbott with the very first Wilcox product "Made in Australia".

Wilcox Industries is a leading American defence products manufacturer from New Hampshire, who specialises in advanced manufacturing, computer aided design and rapid manufacturing. Wilcox is well known as a provider of equipment of the highest quality and specification to Special Forces, law enforcement and other military clients.

Wilcox and Aquaterro are currently in the middle of delivering on a significant contract for Night Vision Mounting Systems to the Australian Defence Force (ADF) as part of a multi-million dollar night vision capability upgrade for the Australian soldier.

"Wilcox Industries Pty Ltd" an Australian Company, was recently incorporated as a stand-alone Joint Venture between Wilcox Industries and Aquaterro, in order to expand the supply chain and global footprint of Wilcox, and to more closely mirror the kind of rapid customer response and operator focus that Wilcox provides for its U.S. customers.

"Wilcox understands that in order to succeed in Australia and the region, it needs to have a footprint and investment in Australia" said Graeme Bulte, "and we are committed to bringing that customer focus and capability, along with the advanced manufacturing jobs opportunity it represents, to Melbourne".

The Australian Made Wilcox EF1500 rail allows for accessories such as laser aiming devices to be securely fitted to Australian Army rifles.

The new "Wilcox EF1500Exo-Skeleton Rail" is destined to be the first of many success stories as these close USA-Australian allies grow this cooperation across the Pacific in support of our soldiers and the growth of advanced manufacturing jobs.

MTU DETROIT DIESEL AUSTRALIA AND MTU DETROIT DIESEL NEW ZEALAND REBRANDED AS PENSKE POWER SYSTEMS

1 April 2015 marked the official rebrand of MTU Detroit Diesel Australia and MTU Detroit Diesel New Zealand to Penske Power Systems.

This change follows the October 2014 acquisition of our company by the Penske organisation.

Penske Power Systems will be a vital player in the suite of businesses owned by Penske Automotive Group, an international force within the transportation service industry.

AFL ACQUIRES AFC GROUP

AFL announces it has acquired AFC, a leading manufacturer, designer and integrator of fibre optic and copper communication solutions with operations in Australia, New Zealand and Hong Kong. AFC will join the AFL family expanding the company's global offering of solutions to the telecommunications, utility, enterprise and industrial markets.

AFL has served the Australian market for over 20 years, primarily in the power utility market. To establish an in-country presence, AFL acquired Optimal Cable Services in 2013. With AFL's vision to provide differentiating and innovative solutions in the South Pacific, AFC was the perfect addition to the AFL portfolio.

"AFL is truly excited to have AFC as part of AFL. During our initial discussions, it was clear very quickly that AFC was a special company. AFC's impressive team of professionals has consistently delivered exceptional quality and innovative solutions to their customers," commented Kurt Dallas, EVP of Cable and Connectivity for AFL.

With the addition of AFC, AFL's new expanded product offering includes fibre optic cable, fibre management systems, fibre assemblies and fibre enclosures as well as splicers, test equipment and a complete set of communication network products.

"From a cultural perspective, AFC and AFL are a terrific match. This acquisition better positions us to expand our customer reach and capabilities. We are delighted to join the AFL family," said Tony Macleod, Founder and CEO of AFC.

AFL will continue operations in AFC's existing facilities, including Melbourne, Sydney, Perth, Brisbane, Canberra, Adelaide, Auckland and Hong Kong.

OCEAN SOFTWARE WINS EUROPEAN TRAINING MANAGEMENT CONTRACT

Melbourne company Ocean Software's flying management system FlightPro has been selected by the European Defence Agency (EDA) to manage multinational airlift training exercises.

The company said in a statement that following a competitive process it was chosen to provide the operations and training management system to handle the planning, execution and reporting associated with the various courses and exercises staged by the European Air Transport Command.

The EDA was looking for a professional tool to manage complex training activities that would create efficiencies and enhance interoperability between the management teams and participants, Ocean Software stated.

VERIFICATION PROGRAM FOR DEFENCE PROJECT LAND 121 PHASE 3B AT AUSTRALIAN AUTOMOTIVE RESEARCH CENTRE IN REGIONAL VICTORIA

Rheinmetall MAN Military Vehicles Australia (RMMVA) signed an agreement with the Australian Automotive Research Centre (AARC) to undertake a two year vehicle verification program under the Defence project LAND 121 Phase 3B at their proving ground in Anglesea in regional Victoria.

RMMVA will conduct a range of performance pre-tests and tests for its nine vehicle variants and a selection of its modules as

part of the contract verification program which is taking place in 2015 and 2016. These verification activities are conducted to ensure that the vehicle systems fully comply with the technical requirements of the Commonwealth of Australia and with the physical demands of the Australian environment.

RMMVA will deliver over 2,500 medium and heavy protected and unprotected military logistic trucks and nearly 3,000 modules. The vehicle systems comprise 4x4, 6x6 and 8x8 vehicles featuring cranes, trays, tippers, vehicle recovery systems, fuel and water storage modules, heavy tractors and a heavy integrated load handling system. Modules include maintenance, stores and combat engineers stores variants as well as a heavy floating bridge, bridge erection and propulsion boat interface.

The vehicles are tested to confirm their road and cross country performance, river fording and load carrying capability whilst negotiating specified approach and departure angles, gradients and obstacles.

The AARC occupies a 1,000 hectare site near Anglesea, 125km south-west of Melbourne. The facility belongs to the Linfox Group and it is the largest privately owned and independently operated automotive testing facility in Australia. AARC offers an extensive range of automotive engineering services to all vehicle and component manufacturers.

RMMVA Managing Director Peter Hardisty highlights the advantages of having such a versatile proving ground close to Defence's and RMMVA's Melbourne based project teams.

"The close vicinity of these facilities allows us to conduct the mandated verification activities in an effective and cooperative manner with our customer. This is another example where synergies have been created between defence and civilian enterprises. We are particularly delighted working together with the Australian Automotive Research Centre. This Research Centre is an important contributor to the Australian Automotive industry."

RMMV is the Rheinmetall Group's centre of excellence for military logistic and tactical wheeled vehicles. Rheinmetall is one of the world's leading suppliers of defence technology, including wheeled and tracked military vehicles, weapons, ammunition, simulation solutions, command and control technology, force protection systems, sensors.

BMT DESIGN & TECHNOLOGY SELECTED TO PARTICIPATE IN DEFENCE SCIENCE AND TECHNOLOGY ORGANISATION PANEL

BMT Design & Technology (BMT), a subsidiary of BMT Group Ltd, is pleased to announce its appointment to the newly formed Defence Science and Technology Organisation (DSTO) panel for Scientific, Engineering and Other Technical Services. This appointment will draw on BMT's expertise to assist DSTO research and development efforts in a number of areas including mechanical engineering, blast physics, and electronic warfare and radar technologies.

DSTO is the Australian Government's lead agency for delivering scientific advice and innovative technology solutions for Defence and national security.

The newly established panel will assist service providers by streamlining administration and standardising contractual arrangements. Other government agencies and defence groups including the Defence Materiel Organisation (DMO) may also access the panel for delivery of relevant services.

BMT has been appointed to the DSTO Scientific, Engineering and Other Technical Services Standing Offer panel to provide assistance in ten areas of expertise being:

- Analysis
- Blast Physics
- Electronic Warfare and Radar Technologies
- Human Science
- Mechanical Engineering
- Modelling and Simulation
- Naval Platform Engineering
- Operations Research and Analysis
- Systems Engineering and Analysis
- Trial Management Support

Gordon MacDonald, Managing Director of BMT Design & Technology says: "Selection to this Panel across so many areas confirms our position as one of Australia's leading maritime and naval consultancy firms. Our engineers are looking forward to contributing to DSTO's valuable program of research."

FOURTH ANZAC FRIGATE MILESTONE

HMAS Warramunga, the fourth ANZAC frigate to be upgraded as part of the Anti-Ship Missile Defence (ASMD) program has been undocked at the BAE Systems Henderson (WA) shipyard.

The warship spent a full year on the hardstand as part of the ASMD upgrade and vital maintenance work. She is now berthed at HMAS Stirling for the completion of harbour and sea trials, while the Henderson facility continues with ASMD upgrade on HMAS Ballarat and preparation for HMAS Parramatta, which is due to dock later this month.

Director of Maritime Bill Saltzer praised the BAE Systems integrated delivery team at Henderson for the great work performed to date on the Anzac refit and upgrade program.

“BAE Systems, together with our ANZAC Alliance partners, has successfully implemented the ASMD capability and other significant engineering changes on the first of class HMAS Perth, HMAS Arunta, HMAS Anzac and HMAS Warramunga.

“Productivity has improved significantly from ship to ship demonstrating the value of continuous production. BAE Systems success as prime contractor and platform system integrator also demonstrates the importance of the involvement we had in the original design and construction of the ANZAC ships.

“The work being undertaken at our Henderson yard is further testament to the skills and capabilities available in our BAE Systems Maritime business and demonstrates the essential role we play in supporting the Australian Defence Force.”

The scope of the project includes ship integration of the leading edge CEA Phased Array Radar (PAR), the Vampir NG Infrared Search & Track (IRST) system, the Sharpeye Navigation Radar System (NRS), and an upgraded Saab Combat Management System (CMS) including an improved Operations Room layout.

The work was completed through the Anzac Ship Integrated Material Support Program Alliance comprising BAE Systems, Saab Systems and the Defence Materiel Organisation (DMO). The program is expected to be completed in 2017 and will include upgrades to a further four vessels, including HMAS Ballarat and HMAS Parramatta.

BABCOCK SIGNS \$NZ300 MILLION AGREEMENT WITH NZ DEFENCE FORCE

Babcock International Group has renewed a \$NZ300 million agreement with the Government of NZ which will see the company deliver through life engineering support services across the NZ naval fleet for the next seven years.

Under the renewed contract, Babcock NZ will assume the role of Prime Systems Integrator (PSI) for the Royal NZ Navy under a five year + two agreement.

The NZ Ministry of Defence may also access this agreement enabling even greater opportunities for efficiency, cost management and vessel availability for the Navy.

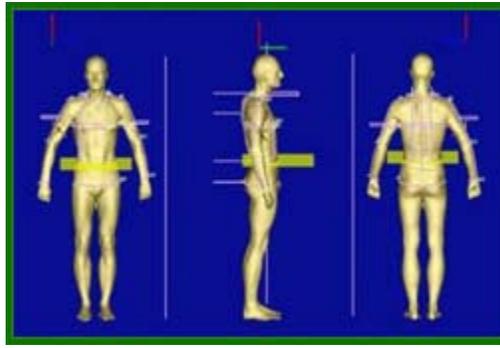
Babcock operates NZ's largest marine engineering and maintenance support facility in Devonport, Auckland, which is also home to the RNZN and its fleet of 11 surface ships.

While support of those vessels is the primary objective of the agreement, the site also boasts NZ's largest dry-dock which enables a range of commercial ship maintenance to be undertaken alongside Navy work.

Babcock Australasia Chief Executive Officer Craig Lockhart said the agreement gave the NZDF total “reach back” into the Babcock Marine and Technology Division which supports naval operations around the globe.

“This agreement not only introduces a new and improved commercial relationship but integrates our teams in a way where we can achieve much greater levels of program availability, capability and certainty of delivery at lower cost,” Lockhart said.

[Courtesy of ADM](#)



3D BODY SCANNING TECHNOLOGY TO HELP BUILD NAVY OF THE FUTURE

A University of South Australia research project using advanced 3D body scanning could help the Royal Australian Navy optimise working environments on ships and better design uniforms and specialist clothing.

UniSA and the Defence Science Technology Organisation (DSTO) are collaborating under the Defence Science Partnerships Program, which has recruited 26 Australian universities since it was established by DSTO in 2014.

The \$1 million research project run by UniSA's School of Health Sciences is using digital anthropometry to measure body dimensions and proportions of 1500 personnel to assist in customising internal specifications of submarines and ships.

The population is generally taller and wider than they were 30 years ago and lead researcher and senior lecturer Dr Grant Tomkinson says the data will inform decisions around working environments such as the height and width of doorways and the length and width of bunks in submarines.

"Submarines are built to last across many generations, 20 to 30 years or more," Dr Tomkinson says.

"So while we have a piece of machinery that can last for many decades, the average sailor – just like the average person – is changing over time.

"People are now on average about an inch or so taller, and a bit wider, than they were 30 years ago.

"It is a way of surveying body size and shape for the Navy which will give them some good predictions on how they might change in the future, and then how their equipment and machines should look."

Dr Tomkinson and colleague Dr Nathan Daniell are working with a team of postgraduate and undergraduate students to measure 1,500 Navy personnel based in New South Wales and Western Australia.

"Our survey of body size and shape uses both traditional methods and a digital approach," Dr Tomkinson says.

"We use a 3D whole-body scanner, which is like stepping into a large changing room and 15 seconds later we get a 3D image of your body that we can extract measurements from at a later stage.

"It captures about half a million data points on the surface of the body and then we can measure dimensions like waist circumference without needing the person again in the future."

Dr Tomkinson says the team is contracted to take about 90 measurements of the body, including standard measurements like circumferences, heights, lengths and breadths of the arms, legs and torso.

"We're also doing some customised measurements such as eye spacing to help viewing through periscopes, head measurements for helmet fit, hand length to navigate controls, and the length from the knees to the buttocks to help with seating size," Dr Tomkinson says.

"If you're not fitting in your environment well, you're not going to be as efficient and it will create more stress and strain.

"You're more likely to have more niggles, and those niggles can lead to injuries.

"The main driver behind this research is ergonomics – to optimise the fit of the person to the environment, help them work better and ultimately build a stronger defence force."

Captain (Dr) Simon Reay Atkinson said the Royal Australian Navy and the Australian Defence Test & Evaluation Organisation (ADTEO) are collaborating with UniSA and DSTO in the research to solve real-world Defence problems.

"We live in a world in which we can no longer isolate the information from the technological from the human," CAPT Atkinson

said.

“In this world we need to better fit our people to the work spaces and organisations they occupy, such as operations rooms, so they can solve pressing problems, healthily and over prolonged periods away from Base Ports.”

DSTO and UniSA have had a strong working relationship since 2004 and this project has developed broader links between UniSA and Defence. [Courtesy of ADM](#)

AXALTA COATING SYSTEMS WINS CONTRACT TO SUPPLY APAS PAINT UNDER LAND 121 PHASE 3B

Rheinmetall MAN Military Vehicles Australia (RMMVA) signed an agreement with Axalta Coating Systems Australia to provide coating products for over 2,500 military logistic vehicles under the LAND 121 Phase 3B defence program. This is the first defence contract of this magnitude for Axalta and signals an important step in the company's diversification strategy.

Under the contract, Axalta will provide the entire supply chain for the paint system from production to supply, warehousing to distribution within Australia and internationally. Axalta will produce and export the full suite of components for the paint to Europe which includes hardeners, thinners, primers and the different colours required for the camouflage pattern. All coating products will comply with the Australian Paint Approval Scheme (APAS) standard and will be produced in Australia. All vehicles and modules under LAND 121 Phase 3B must be pre-treated and painted with APAS paint. The agreement creates cost efficiencies for the entire program.

RMMVA Managing Director Peter Hardisty states: “The agreement with Axalta Coating Systems Australia showcases RMMVA's ongoing commitment in assisting civilian companies to enter into the defence industry sector.”

RMMVA signed the LAND 121 Phase 3B contract in 2013 to supply the Commonwealth of Australia with more than 2,500 medium and heavy military logistical trucks and nearly 3,000 modules.

Axalta is a leading global company focused solely on coatings providing customers with innovative and sustainable solutions. From light OEM vehicles, commercial vehicles and refinish applications to electric motors, buildings and pipelines, Axalta coatings are designed to prevent corrosion, increase productivity and enable materials to last longer. With more than 145 years of experience in the coatings industry, the 12,000 people of Axalta continue to find ways to serve more than 120,000 customers in 130 countries with the coatings, application systems and technology. Axalta has been operating in Australia since 1985 initially as part of the DuPont Group and since 2012 as a stand-alone company. Axalta Coating Systems Australia employs 125 employees at their facilities in Riverstone, North West Sydney.

RMMV is the Rheinmetall Group's centre of excellence for logistic and tactical wheeled vehicles. Rheinmetall is one of the world's leading suppliers of defence technology, including wheeled and tracked military vehicles, weapons, ammunition, simulation solutions, command and control technology, force protection systems, sensors.

NEW JOINT MILITARY/INDUSTRY HELICOPTER SUPPORT CENTRE COMMISSIONED

In a move designed to optimise capability support for the Australian Defence Force fleets of Tiger armed reconnaissance and Taipan multi role helicopters, Airbus Group Australia Pacific and the Defence Materiel Organisation (DMO) have commissioned a joint support centre on Brisbane Airport to be staffed by civilian and Defence personnel.

The DMO's Reconnaissance and Air Mobility Systems Program Office has integrated with Airbus Group Australia Pacific at the aerospace company's Brisbane Airport facility.

The new RAMSPO Plateau is tasked with providing Navy and Army with the engineering, supply support and technical services required to enable the Tiger and Taipan helicopters to fly their missions and meet and maintain the required operational tempo.

The RAMSPO Plateau was formally commissioned on Thursday 16 April at Airbus Group Australia Pacific's manufacturing complex on Pandanus Avenue, Brisbane Airport.

When operating at full strength the RAMSPO Plateau will be staffed by some 250 civilian and Defence personnel.

The commissioning was attended by the DMO's Rear Admiral Tony Dalton, Head Helicopters, Tactical Unmanned Aerial Systems and Guided Weapons Division and supported by Airbus Group Australia Pacific's Managing Director, Dr. Jens Goennemann.

Commenting during the commissioning, Dr. Goennemann said the new RAMSPO Brisbane centre would become the foundation support organisation of the Tigers and Taipan helicopters for the Army and Navy. “It will be a truly integrated

Defence/industry support environment in which we will all share the common goal of striving to provide outstanding service levels for these helicopters," he said. "We are all in this together to ensure our servicemen and women have the most reliable and safest helicopters available to them". [Courtesy of ADM](#)

BAE SYSTEMS' LASER-GUIDED ROCKET HITS THE MARK FOR AUSTRALIAN DEFENCE FORCE

The Australian Defence Force demonstrated the precision strike capability of BAE Systems' Advanced Precision Kill Weapon System (APKWSTM) laser-guided rocket, firing the system from an Airbus Tiger Armed Reconnaissance Helicopter (ARH) for the first time. Using a Forges de Zeebrugge (FZ) rocket motor, warhead, and launcher, the APKWS rocket was 10 for 10 in the live fire flight trials.

"These demonstrations have proven the versatility and flexibility of the APKWS rocket," said David Harrold, director of precision guidance solutions at BAE Systems. "The results are clear that our unique mid-body design can quickly and cost-effectively transform current inventory of unguided FZ rockets into highly precise weapons for greater mission success as it has done for Hydra rockets since initial fielding in 2012."

The successful live fire flight trials, which were preceded by a ground-based live fire event in August 2014, took place in November 2014 in Australia's Northern Territory. The 10 test shots were conducted in extreme heat conditions at ranges from 1,500 meters to 4,500 meters, at altitudes from 200 feet to 1,500 feet, and at speeds of up to 140 knots. All 10 shots hit the target within one meter of the laser spot.

An integrated test team from the Defence Materiel Organisation and Royal Australian Air Force, in conjunction with operational units from 16 Aviation Brigade, conducted these tests to examine the potential for APKWS rocket use by the Australian Army. With the successful results, the APKWS rocket is now being taken to the next stage of the trial process.

"The combination of a perfect seven-for-seven from the ground trial and 10 for 10 from the flight trial confirms this as a fully functioning capability," said Major David Paterson, Rotary Wing Flight Commander of the Australian Aircraft Stores Compatibility Engineering Squadron, part of the Aerospace Operational Support Group. "This testing supports the potential use of the APKWS rocket on the ARH, and it clearly demonstrated the weapon's capability under a wide range of flight conditions."

The live fire test shots from the Tiger platform with the FZ equipment opens up new opportunities for the APKWS rocket, which is currently available to international customers through the U.S. Foreign Military Sales program. The APKWS rocket is the U.S. Department of Defense's only fully qualified guided 2.75-inch (70mm) rocket that uses semi-active laser guidance technology.



DENMARK SELECTS PIRANHA V, HALTS ARTILLERY BUY

Denmark has selected the General Dynamics European Land Systems - MOWAG Piranha 5 8x8 to be its new armoured personnel carrier (APC), the Danish Ministry of Defence (MoD) announced on 30 April.

The move marks an end to the largest armoured vehicle competition in Europe, and sees an 8x8 triumph in a fascinating contest that had pitted two schools of armoured vehicle design, wheeled and tracked, against each other.

In Royal Danish Army service the Piranha 5 will replace the M113 series of tracked APCs.

Additionally the MoD announced that it would be suspending its planned acquisition of a new 155 mm self-propelled artillery (SPA) system.

Denmark will purchase a minimum of 206 Piranha 5s, with the number potentially rising to 450, although the MoD stated that "the exact number will be determined at a later date."

Speaking of the selection, Danish Defense Minister Nicolai Wammen said: "I am very pleased that ... Piranha 5 has been a winner of the tender on new armoured vehicles for the defence. Our current armoured personnel carrier has served the Army

well for many years, and will continue some time yet, but with Piranha 5 we have found the armoured personnel carrier that can best solve the defence tasks of the future."

For the Danish requirement the Piranha 5 had competed in trials against one other 8x8, the Nexter Systems Véhicule Blindé de Combat d'Infanterie, and three tracked offerings: the FFG Flensburg Protected Mission Module Carrier G5, BAE Systems Armadillo and General Dynamics European Land Systems - Santa Barbara Sistemas ASCOD 2. According to the MoD, the selection of the Piranha 5 was made "after thorough examination and evaluation of suppliers' offers and testing of the vehicles".

The decision to halt Denmark's artillery procurement programme comes as a result of a need to reassign funding to repair one of its Agusta Westland AW101 Merlin helicopters, which crashed in Afghanistan in October 2014. Although the helicopter was only reported to have toppled on its side while attempting to land near Mazar-i-Sharif in northern Afghanistan, the helicopter was reported to have suffered extensive damage in the process. According to the MoD, "whether the helicopter can be rebuilt or must be replaced, there will be a three-digit million expense" - at least DKK100 million (USD15.1 million).

"Against this background, there was agreement ... to annul the tender and delay the purchase of new artillery for the army, which [will] help to create financial flexibility", the MoD stated.

The new 155 mm/52-calibre artillery system was intended to replace the Forsvaret's M109A3 155 mm self-propelled howitzers, with 21 SPA's planned to be purchased. Three offerings had been competing for the requirement: the Samsung Techwin K9 Thunder tracked system, Nexter Systems' wheeler CAESAR systems, and Elbit/Soltam Systems' Autonomous Truck Mounted howitzer System (ATMOS) SP artillery system.

According to the MoD, Denmark is now looking to "explore possibilities to rent or borrow modern artillery from another country" as a stop-gap measure until the country is again able to look to purchase a new SPA system.

COMMENT

The Danish M113 replacement competition has been a fascinating head-to-head for the two competing schools of armoured vehicle design.

The relative disadvantages of tracked and wheeled armoured vehicles is an often debated topic, although in truth both have proven themselves in recent conflicts in Iraq, Afghanistan, and Mali.

While there had been speculation that a tracked vehicle may end up winning (fuelled by the down selection of more tracked than wheeled designs for trials, and that the new APC would be replacing a tracked vehicle), Denmark was clear that there was no institutional preference for a like-for-like tracked replacement. Of the tracked designs, the BAE Systems Armadillo was perceived to have an advantage, being based on the CV90 infantry fighting vehicle (IFV) which Denmark already operates.

While pairing a tracked IFV with a tracked APC ensures that where one can go the other can follow, pairing a tracked IFV with a wheeled APC does perhaps offer greater operational flexibility.

The selection of the Piranha 5 will make the Royal Danish Army the first to operate the vehicle - although previous variants of the Piranha are in service all over the world. Indeed Denmark already operates the earlier Piranha III 8x8 APC, and so should derive some commonality benefits from purchasing the newer member of the Piranha family. Although the Danes will be the first to operate the vehicle, Piranha 5 was previously chosen by the British Army for its eventually abandoned FRES Utility Vehicle programme, for which it was largely designed.

The decision to halt the country's artillery procurement programme is also a fascinating one, for numerous reasons. One is as a further demonstration of the exorbitant cost of modern day airpower, with the cost of replacing or repairing a single helicopter able to derail an entire land systems programme.

There were also rumours that the Royal Danish Army had a preference for ATMOS, but that there was significant unease within political circles over the purchase of an Israeli weapon system. If true, it's possible that the artillery buy has thus been shelved as much for political needs as for economic ones.

Denmark has selected the GDELS-MOWAG Piranha 5 to replace its M113 armoured vehicles. (GDELS-MOWAG) *Source: Jane's Defence Weekly*



BOEING UPGRADING AUSTRALIAN F/A-18 TRAINERS TO AID MAINTENANCE EFFECTIVENESS

Boeing will update two maintenance trainers for the Royal Australian Air Force (RAAF) so they better support the RAAF's F/A-18F and EA-18G aircraft.

Australia is the only nation other than the United States flying F/A-18 Super Hornet fighters and EA-18G Growler airborne electronic attack aircraft. While it operates the two-seat F variant of the Super Hornet, its current trainer configuration is for the single-seat variant. The update will change that while also making Australia's two Integrated Visual Environment Maintenance Trainers specifically applicable to the RAAF's EA-18G aircraft.

"The trainers need software upgrades to stay current with the aircraft," said Tom Lavender, manager, Boeing Navy Training program. "Using the same software in both the trainer and the aircraft allows Super Hornet technicians to perform maintenance tasks exactly as they would on the actual aircraft."

The upgraded trainers will support technicians working on both platforms and will provide them with a key tool to qualify as Super Hornet and Growler technicians.

"Maintenance training facilities play a key role in the training and skills development of Air Force maintenance staff," said Air Commodore Michael Kitcher, Director General Capability Planning for Air Force. "This update is especially important for the new skill-set technicians will require to perform advanced work on the EA-18G Growler ensuring its readiness to support all branches of the Australian Defence Force when it comes into RAAF Service."

The work, which will be done under a U.S. Navy foreign military sales agreement with Boeing, will be performed at the Royal Australian Air Force base at Amberley, Queensland, Australia.

The upgrades will be complete by the end of 2016.



ARMY INTRODUCES REMEMBRANCE PIN

The Australian Army has recently introduced the Army Remembrance Pin to commemorate the valued service of members who have died while in the Army; during both times of peace and war, since 3 September 1945.

Speaking at the Australian War Memorial, Lieutenant General David Morrison, AO, highlighted the need to remember their contribution.

"In appreciation of the men and women who have died while in the service of our nation, we have introduced the Army Remembrance Pin to acknowledge and commemorate their contribution to our Army," Lieutenant General Morrison said.

"This Pin is gifted to the families of deceased members as a symbol of their ongoing connection with the Australian Army."

"Our Army is built on history, traditions and the service of those who have come before us. The Pin is intended as a family keepsake to be handed down through the generations to ensure the memory of the member and their service continues."

The Army Remembrance Pin continues the tradition of the Mothers' and Widows' badges distributed to the loved ones of World War One and Two veterans who were killed in action, or who died of wounds on active service or after discharge.

The Pin will be available to eligible family members of Army members who have died while in service, both domestically and

on operations, since the conclusion of World War Two.

The face of the Pin displays the Rising Sun Badge above two sprigs of laurel and is surrounded by the words In memory of their dedicated service.

Applications for the Pin can now be submitted. Further information, including eligibility requirements and the application process is available at: [Click Here](#)

▶ GENERAL NEWS

PERSONNEL CHANGES

Steve Wadey joins Qinetiq as new Chief Executive Officer. Steve joins QinetiQ from MBDA

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

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.

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

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

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.

conferences in Australasia and globally by the aviation safety industry as an outstanding and highly informative event.

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

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

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.

Northern Australia Defence Summit

DATE: 28-29 October 2015, Darwin

ENQUIRIES: ADM Events – Adam Wiltshire

TEL: 02 9080 4321

EMAIL: adam.wiltshire@informa.com.au

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.

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.

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 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.

DATE: 17 – 18 November 2015

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

CONTACT: contact@nzdia.co.nz

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

AIDN ACTIVITIES LIST FOR 2015

May	21	AIDN-Qld Members Meeting Thales Protected Vehicles	AIDN-Qld
	28	AIDN-NSW breakfast	AIDN-NSW
June	3	DSIIntern Program / AIDN-Vic Strategic & Business Plans	DSI/ADIN-Vic
	10	AIDN-NSW AGM	AIDN-NSW
	11	AIDN-Qld Annual Dinner	AIDN-Qld
September	10	AIDN-NSW	AIDN-NSW
October	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

AIDN-Tas
Phone: 03.9885 0907
admin@aidn.org.au

AIDN-Canberra
Phone: 0408 492 405
winston.bucknall@gmail.com

AIDN-Qld
Phone: 041 222 7375
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AIDN-Vic
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aidnvic@aidnvic.org.au

AIDN-NSW
Phone: 0421 345 637
nswxo@aidn.org.au

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

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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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