



## NATIONAL NEWSLETTER No 2 of 2016

### Quote of the month

"Vision without action is daydreaming and action without vision is a nightmare."

- *Anon*

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### THANK YOU TO AIDN DINNER SPONSORS



## ▶ AIDN NATIONAL NEWS



### NATIONAL PRESIDENT'S MESSAGE

Greetings

To my fellow AIDN members..... hello and its February in the Year of the Fire Monkey. Actually, I was born in the last Fire Monkey year so that is supposedly a great omen for me this year. I recently welcomed my 7th grandchild as another Fire

Monkey. Would you believe how quickly we have entered 2016!

We started the year with a bang. AIDN has celebrated its 21st Birthday with a gala dinner at the Boathouse in Canberra. I congratulate the organising committee Graham Priestnall (QiniteQ), Rob Forbes (CEA), Sue Smith (AIDN) and Alan Rankins (Goal) and Barry Neame CEM and his Consec - Conference and Event Management team. More on the dinner later.

AIDN's draft business plan was tabled and discussed at the AIDN Committee meeting on the 8th as well. I can tell you it is a very exciting time to be with AIDN. As the year unfolds so too will AIDN's new journey.

## Acknowledgements

I must acknowledge the special guests and sponsors of the AIDN 21st dinner. These were:

- The Honourable David Feeney, MP- Member for Batman, Shadow Minister for Justice, Shadow Assistant Minister for Defence and Shadow Minister for Veterans' Affairs & Centenary of ANZAC.
- Ms Gai Brodtmann, MP – Member for Canberra and Shadow Parliamentary Secretary for Defence.
- Mr Dennis Richardson - Secretary of Defence
- Air Marshall Leo Davies, AO, CSC - Chief of Air Force
- Mr Kim Gillis – Deputy Secretary, Capability Acquisition and Sustainment (CASG).
- AVM Mel Hupfeld - Acting Chief Capability Development Group.
- MAJGEN Gus McLachlan - Head of Modernisation and Strategic Planning - Army

Of course the evening was a success thanks to our sponsors:

- Platinum sponsor – Lockheed Martin, Australia Pty Ltd.
- Gold sponsor – DCNS Australia Pty Ltd.
- Gold sponsor – thyssenkrupp Marine Systems Australia Pty Ltd
- Silver sponsor – Mitsubishi Heavy Industries Ltd.
- Silver sponsor – BMT Design & Technology Pty Ltd.
- Silver sponsor – Broadspectrum (Australia) Pty Ltd
- Bronze sponsor – Goal Professional Services Pty Ltd.
- Bronze sponsor – KBR Australia Pty Ltd.
- Bronze sponsor – Rheinmetall Defence Pty Ltd.

I also acknowledge the four AIDN National YAA finalists and congratulate them all as Finalists. But, "There can only be one"..... special congratulations to Brodie Ryan of Raytheon Australia as the 2016 AIDN YAA recipient.

AIDN recognises the assistance of the ADM team with photography and continued support and special thanks to MUSN Sean Henderson from the Army Band.

I would also make special mention of Mr George Lianos of 8DaysaWeek Pty Ltd. George took on the job of developing the AIDN business plan and has produced some sterling recommendations for AIDN to ponder over the coming months. Well done George.

I look forward to the dinner being an Annual event on the defence calendar.

## President and National Committee Activities

Our activities on your behalf in the last month are below.

- A presentation and decisions related to the AIDN's Strategic Plan on 8th February. The National Committee met in Canberra to table the new strategy and business plan and proposed constitutional amendments that will drive AIDN forward with Defence.
- Continued fruitful meetings with the Deputy Secretary CASG Mr Kim Gillis and Acting First Assistant Secretary Defence Industry Policy Division Ms Kate Louis to discuss how AIDN can assist them in transforming Defence industry policy and work much more closely with our partners in Defence. Kate is awaiting confirmation in her position and AIDN is cheering for you Kate!
- Release of the AIDN Policies on Governance, Confidentiality and Financial Authority. AIDN's push to professionalise is well on track.
- Attendance at the 21st Anniversary celebrations in Canberra;
- Attendance at the ADM Defence Congress on the 9th February 2016. AIDN was strongly represented at this Congress and Chris Burns (AIDN SA and DTC) spoke at the event. The focus continues on Australian shipbuilding.

The AIDN 21st Anniversary Dinner.

You will see other articles in the newsletter and ADM about the dinner I am sure. Our sponsors will also take advantage of their respective sponsor packages to advertise. But the main success of the dinner was the enthusiasm AIDN was met with from both Defence and Industry to support our celebrations.

It was great to have international participants as well from the MHI delegation and others. AIDN is unashamedly pro Australian ship and submarine build programs and it is great to hear all of the CEP bidders offered this option. Canberra turned on a special night for our visitors from abroad.



A special congratulations to Kevin Carrol. Kevin was presented with an AIDN Appreciation award for his continued dedication to AIDN since its inception! I have had the pleasure of knowing Kevin for over a decade in AIDN and his council has been invaluable. He also makes available a special breed of Queensland water I thoroughly enjoy! I look forward to continued contributions from Kevin.

#### Planned Activities

Whilst still awaiting the White Paper IIP and DIPS.....counting the months....we continue to meet with Defence and Government leaders to shape the revisions to the SME Participation Plan and Industry Involvement Paper and our interactivity with Defence on behalf of the SMEs.

Formal endorsement of the AIDN Strategy and Business Plan and Constitutional Amendments at a Special General Meeting to be held in March 2016.

Planning for the AIDN SME Summit in mid-year has commenced. AIDN is considering a series of functions to support our members and the first is a one day Summit where we can focus on specific Defence SME related industry issues and seek our collective wisdom toward resolution of issues. I look forward to your repeat support for that event.

Getting cracking on the approved AIDN organisational changes!

We will continue to implement a plan for the re-invigoration of the AIDN-Tas Chapter.

We have agreed a workshop with the Honourable David Feeney MP in April to canvas the defence industry policies with SMEs

I will be briefing the Deputy Secretary CASG on AIDN initiatives and proposals in the coming month.

Finally we stand ready to receive and analyse the Defence White Paper and DIPS when released.

#### Contact details

All members should feel at ease in contacting me directly about any issues. If the matter you raise is related to member services, I will ensure your issue is raised with the appropriate Chapter President. I can be contacted via my AIDN email address [president@aidn.org.au](mailto:president@aidn.org.au) or my mobile 0413014480 during working hours.



*(L to R) Dong Phu Le, Kim Gillis, Brodie Ryan, Christine Chen, Lucinda Teague, Graham Priestnall*

### AIDN YOUNG ACHIEVER AWARD (YAA)

Brodie Ryan, Raytheon Australia (the DTC Winner) was announced as the national winner of the 2016 Australian Industry & Defence Network (AIDN) Young Achiever Award (YAA) at the AIDN 21st Anniversary Dinner on Monday 8 February at The Boat House, Lake Burley Griffin.

We had four outstanding finalists:

Christine Chen, Thales Australia AIDN-NSW  
Dong Phu Le, Nova Systems AIDN-QLD  
Brodie Ryan, Raytheon Australia DTC  
Lucinda Teague, Harris Corporation AIDN-VIC

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

In presenting the winner Deputy Secretary CASG, Kim Gillis emphasised the importance of acknowledging and encouraging all talented young Australians involved in the defence industry.



*Kim Gillis and Brodie Ryan*



*(l-r) Mr David Gaul, Co-Founder of CEA Technologies, Senator the Hon Marise Payne, Minister for Defence, Mr Ian Croser, Technical Director and Co-Founder and Mr Merv Davis, Chief Executive Officer of CEA Technologies*

## MINISTER FOR DEFENCE OPENS NEW CEA TECHNOLOGIES FACILITY

The Minister for Defence, Senator the Hon Marise Payne, today officially opened a new CEA Technologies facility, which will supply cutting edge radar technology to the Royal Australian Navy.

Canberra's CEA Technologies is providing radar technology to Navy's eight ANZAC Class Frigates as part of their Anti-Ship Missile Defence (ASMD) Upgrade Program.

"This new facility marks a new chapter in the growth of this innovative Australian defence company, and is a sign of its increasing confidence in securing future export and domestic sales of its world-class and locally developed Active Phased Array Radar technology," Minister Payne said.

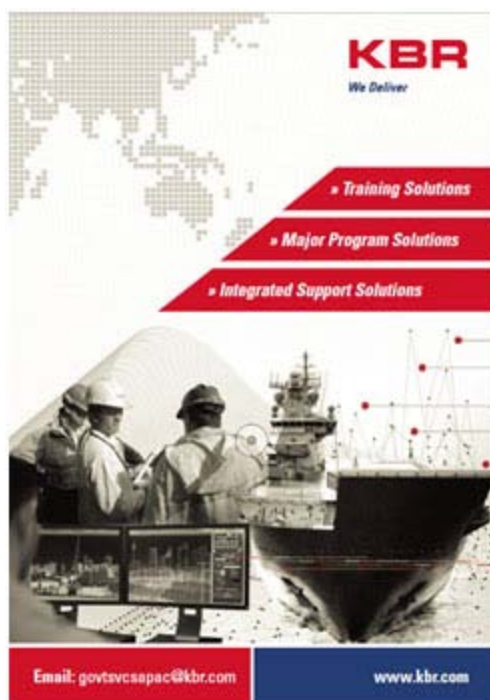
"With more than half the ANZAC fleet now having received the ASMD upgrade, these ships have radar capabilities in that role above and beyond that of any other Navy."

The Government is currently investing in further research and development of the radars for potential inclusion in the Future Frigate and other Defence platforms.

CEA Technologies was founded 33 years ago and the company's innovative radar technology has won numerous awards in recognition of its engineering ingenuity as well as its export potential.

"The Turnbull Government will soon release a new Defence Industry Policy Statement that will emphasise the importance of harnessing innovation, like that delivered by CEA Technologies, to deliver better capability outcomes for Defence," Minister Payne said.

"I am determined to build a closer, more strategic relationship with industry and this will be a key theme of the Statement."





*(L to R) Director of the Australian War Memorial Dr Brendan Nelson and QinetiQ Australia Managing Director Greg Barsby*

## **QINETIQ AUSTRALIA ANNOUNCES AUSTRALIAN WAR MEMORIAL SPONSORSHIP**

QinetiQ Australia recently announced a sponsorship with the Australian War Memorial in Canberra to provide project management and engineering services valued at AU\$50,000 per year over the next two years. At the same time, Director of the Australian War Memorial Dr Brendan Nelson officially opened QinetiQ Australia's new Canberra office located at Level 3, 12 Brindabella Circuit, within Canberra Airport's Brindabella Business Park.

Dr Nelson said: "I'm delighted to officially open QinetiQ Australia's new Canberra office. It's great to have them on board as a sponsor of the Memorial. Their aerospace consultants and engineers are going to aid our conservators with the restoration of retired military aircraft acquisitions for our collection. We'll be accessing their expertise to help manage these projects and to provide engineering support for activities that may include repairing damaged components or reassembly."

QinetiQ Australia Managing Director Greg Barsby said: "Our sponsorship of the Memorial demonstrates our commitment to corporate social responsibility. As an Australian Department of Defence contractor, we feel it is important to give back to the wider Defence community. Our aerospace consultants and engineers, who mostly work on 4th and 5th generation military aircraft, are extremely excited to have the opportunity to work on the early genesis of those technologies."

Mr Barsby added: "The relocation of our Canberra office to a new larger office space within the business park is a reflection of the growing number of Canberra-based projects we're supporting. It also facilitates future organisational growth and underscores our commitment to our customers, suppliers and staff."

In addition to Canberra, QinetiQ Australia has offices in Adelaide, Brisbane and Melbourne, supporting more than 70 customers across Australia in Defence, Government and industry. QinetiQ Australia also employs more than 250 people, 80 of which are specialists in the aerospace domain.

QinetiQ Australia's aerospace domain provides a wide range of advisory and engineering services, such as acquisition, sustainment and contracting, program and complex project management, systems engineering, capability assurance, risk management, aircraft structural integrity management, airframe life extension, design of repairs and modifications, stress and fatigue analysis, software development and Non-Destructive Testing.



## **▶ AIDN-NEW SOUTH WALES**

Hello from the NSW chapter,

As foreshadowed last month the Defence White Paper and its accompanying Integrated Investment Plan and Defence Industry Policy Statement (DIPS) have been released with much fanfare about submarines and other shipbuilding programs. I'm sure our National President will have something to say on the DIPS in particular in his column. I would just mention the encouraging recognition of industry as a "Fundamental Input to Capability", a first for this. I would also note that the policy clearly applies to all of Defence, not just Capability and Sustainment Group and that it is evolutionary, not revolutionary. However, there is a much clearer indication of new mechanisms to ensure better implementation. You can download all of the documents from the Defence website.

Our February breakfast didn't eventuate. However, we did support the Business France delegation, and an announcement on March is imminent.

March will also see BAE System's popular Australian Estimating & Pricing Fundamentals / Master class return (registrations already closed) and registration for NSW member Goal running free New Defence Export Control Rules presentations later in the year.

I look forward to seeing you at the March breakfast.

Regards,  
Medhat Wassef  
NSW President

## MARCH BREAKFAST

March will see a return to our original Breakfast format at a neutral venue, rather than visiting a member. We will be hearing from Favcote and other members on their capability and defence experience. The invitation will be out soon.

## AIDN NSW LINKEDIN GROUP

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

## EXECUTIVE COMMITTEE MEETINGS

Your committee has not met since the last newsletter.

## ▶ AIDN-NSW MEMBERS' NEWS



*Hydroid REMUS 100 Autonomous Underwater Vehicle to be operated by the Royal Australian Navy*

## UVS AWARDED SUB-CONTRACT FOR SEA1770

UVS, A Blue Zone Group company, has been awarded a \$7.2m sub-contract by Lockheed Martin Australia for provision of hydro graphic systems and equipment for Australian Department of Defence Project SEA1770 Rapid Environmental Assessment – Maritime.

SEA1770 will equip deployable geospatial survey teams and mobile meteorological and oceanographic teams with environmental and survey sensors and communications and data transmission systems with Phase 1 focussed on the maritime environment.

Equipment to be supplied by UVS includes a wide range of Teledyne Marine oceanographic and hydro graphic instruments including:

- Acoustic Doppler Current Profiler
- Multi Beam Echo Sounder
- Single Beam Echo Sounder
- Heave Compensator

Importantly, SEA1770 will see the acquisition of Autonomous Underwater Vehicles and the Hydroid REMUS 100 vehicles have been selected for this project. SEA1770 supports a path way over time for the development and evolution of an off-board robotic technology in support of future hydro graphic operations for the Royal Australian Navy.

UVS CEO, Neil Hodges, said that the award of the sub-contract to UVS was testament to the broad scope of supply that could be offered by UVS to meet the requirements for SEA1770.

“UVS has worked with leading underwater systems OEMs for more than 40 years”, said Mr Hodges, “Our skilled and experienced sales team was able to work with our overseas suppliers to offer a complete package of equipment to Lockheed Martin to meet the rapid environmental assessment task of SEA1770”.

UVS CTO, Darren Burrowes, said that the introduction of the REMUS 100 AUV into active service for the Royal Australian Navy was an important step forward in the future application of robotics to naval warfare tasks. “Missions such as mine countermeasures and environmental assessment in hostile areas can best be accomplished by robotic technology”, said Mr Burrowes.

“Keeping personnel out of hazardous areas is a key application of robotics to naval warfare and UVS is pleased to be providing the equipment to support this capability”. Mr Hodges said that UVS was well positioned to support Lockheed Martin provide through life support for equipment to be delivered for SEA1770. “UVS has worked closely with OEMs to establish an Australian-based service capability for a wide range of sophisticated equipment”, said Mr Hodges.



# DEFENCE TESTING



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

## OUR SERVICES INCLUDE:



- **EMC** (inc. Radio frequency interference emissions and Susceptibility)
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- **Mechanical Testing** (inc. Shock and Vibration)
- **Acoustics** (inc. Airborne and Structure-borne Noise)
- **Accelerated Ageing** (inc. Salt fog and UV)
- **Design and consulting** (inc. EMC and Test Fixtures)

## SOME OF THE DEFENCE TEST STANDARDS WE OFFER:

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- MIL-STD-810G\*
- MIL-STD-167-1A\*
- MIL-STD-202G\*
- DEF-STAN 00-35\*
- MIL-STD-883\*
- MIL-HDBK-2036\*
- RTCA/DO-160\*

\* including previous versions

The January members meeting was hosted by Integra Packaging, with Chris Hess of LMCo as the guest speaker.

The AIDN-Qld YAA was announced.

Nominees were:

Nathan Woodall *University of Queensland*

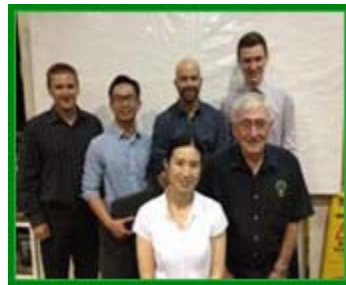
Joel Tramacchi *RGM Maintenance*

Dong Le *Nova Systems*

Dong Le of Nova Systems received the award.



*Dong Le AIDN-Qld YAA Winner*



*Aaron Thompson AIDN-Qld President  
Dong Le Qld YAA Winner  
Joel Tramacchi RGM Nominee  
Nathan Woodall UQ  
Kev Carroll AIDN-Qld ExecO  
Fiona Kan TAE – Past Qld YAA Winner*

The February members meeting was hosted by Depth Logistics with presentations by Mark Steiner of Hetech and Alex Stanovjevic – AiG Qld

The March meeting will be hosted by Hayden George of George & Courtier, Banyo Qld

Defence 101 Seminars

ICN-Qld in conjunction with Defence Industry Queensland (DIQ), will present a series of seminars in March and April.

These will be conducted at; Logan/Beenleigh, Ipswich, Toowoomba, Maroochydore (Sunshine Coast), Mackay and Townsville.

The object is to provide SMEs with information on potential Defence business and how to deal with CASG and Prime companies.

The facilitator will be Maj Gen Mick Fairweather.

AIDN-Qld will be represented at each seminar and will promote AIDN.

For more information [Click Here](#)

### AERO DEFENCE RECEIVE BOEING SUPPLIER EXCELLENCE AWARD

The award is in recognition of outstanding customer support to Boeing Defence Australia. It is a testament to our company mission and values and reinforces our slogan "the front line of procurement".

Aero Defence quality management system are certified to the ISO 9001:2008 + AS9120 standards and specific requirements for the Aerospace industry, which is the highest benchmark in Australia and globally.



### REBRANDING NETBASE SOLUTIONS TO QUALITY MANAGEMENT AUSTRALIA

Long-time member of AIDN QLD Netbase Solutions has been providing integrated Quality, OHS and Environmental Management systems to organisations doing business with Defence for over 8 years. Director Terry O'Brien said "that with introduction of the new 2015 Standards for both Quality and Environmental Management Systems and restructuring of the business to provide better service and efficiencies to clients, now was the ideal time to also rebrand".

Netbase Solutions has now become Quality Management Australia providing a more targeted approach to helping organisations achieve ISO certifications for Quality, OHS and Environment in rapid time, generally 8 weeks.

According to Mr O'Brien the new Standards recognise that many organisations worldwide are using electronic management systems, such as Sharepoint, to host their Quality, OHS and Environmental Management. This now means that organisations can reduce the effort required to be compliant and also have a system to manage other aspects of their business.

Quality Management Australia as an AIDN member is keen to help other AIDN members achieve certification and offers a 10% saving to AIDN members. [www.qualitymanagementaustralia.com.au](http://www.qualitymanagementaustralia.com.au)

# Requirements Analysis and Specification Writing

18 - 22 April, 2016  
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## ▶ DEFENCE TEAMING CENTRE (DTC)

DTC NEWS

### RAYTHEON TEAMS WITH QUESTACON AND UNI SA TO CELEBRATE INNOVATION FACTORY

The Innovation Factory exhibition has showcased the value of science, technology, engineering and maths (STEM) skills to the community.

The Minister for Industry, Innovation and Science, Christopher Pyne, spoke at the event, announcing a \$930,000 funding package to get more people involved in science and research. He also presented Playford International College student Kittatam Saisaard with the Raytheon Australia Innovation in STEM Scholarship.



Raytheon Australia Managing Director Michael Ward and Minister Christopher Pyne present the Raytheon Australia Innovation

## BAE SYSTEMS LAND 400 VEHICLE READY TO GO

BAE Systems Australia is ready to demonstrate its solution to the Australian Army's mounted combat reconnaissance requirements and its plans to manufacture in Australia.

BAE Systems Australia Chief Executive Glynn Phillips said: "Our three test vehicles are built and ready to go for the Army's 12 months of rigorous testing in the Risk Mitigation Activity stage of the tender evaluation later this year. We believe the AMV35 is technically superior to its rivals and is a value-for-money solution for the Australian Defence Force (ADF) which benefits the Australian economy through our commitment to manufacture in Australia.

"The fact that these vehicles are available now proves we have a low risk solution. We look forward to the Commonwealth's announcement of the tenders who have been down selected for these trials, and trust that we will be among those with the chance to demonstrate the exceptional capabilities and benefits of the AMV35."

BAE Systems Australia and the Finnish Patria have teamed to produce the AMV35 as their offer for Phase 2 of the Australian Army's Land 400 Program. The vehicle integrates the combat-proven CV9035 turret from BAE Systems Hägglunds onto a modern, agile, highly protected military-off-the-shelf (MOTS) Patria Armoured Modular Vehicle (AMV).

If selected as the successful tender, the BAE Systems/Patria team will manufacture, assemble and support the AMV35 in Australia, with manufacturing, technology and intellectual capability transitioning to an Australian production line creating over 200 new Australian jobs. This will secure and retain in-country capability and contribute significantly to the Australian economy throughout the expected 30-plus year life of the vehicles.

The BAE Systems-led team is committed to ensuring a high level of Australian content and industry capability development. The decision to manufacture the vehicle in Australia assures that there will be opportunities for involvement and content for Australian suppliers.

The Patria AMV and BAE Systems Hägglunds' CV9035 turret system are both qualified and in service with NATO nations.

The Patria AMV has been selected by seven nations with more than 1,400 contracted vehicles. The platform has attained a strong combat reputation, chiefly based on the strength of its operational performance with the Polish Army in Afghanistan.

The BAE Systems-Hägglunds manned turret system is fitted to the successful CV90 family of infantry fighting vehicles operated by seven nations. It has been used on UN and NATO missions across the globe, including Afghanistan. The unique features of the 35 mm turret provide the AMV35 with real battlefield advantage for Australian soldiers through game-changing levels of accuracy and weight of fire.



## NEW CONTRACT FOR ROYAL THAI NAVY OFFSHORE PATROL VESSEL

BAE Systems have signed a new contract with Bangkok Dock to assist in the licensed construction of a second 90 metre Offshore Patrol Vessel for the Royal Thai Navy.

Under the agreement, we will provide engineering support and advice during construction of the vessel in Thailand.

Nigel Stewart, Commercial Director, BAE Systems' Naval Ships business, said: "We're looking forward to building and strengthening our relationship with Thailand's shipbuilding industry. This contract to support delivery of a second Offshore Patrol Vessel to the Royal Thai Navy is a clear endorsement of our versatile Offshore Patrol Vessel design.

"With three of these ships already in service in Brazil and a further three Offshore Patrol Vessels under construction for the UK Royal Navy, our design continues to attract significant interest internationally."

The Offshore Patrol Vessel is a highly versatile ship, making it a cost-effective solution for many navies, with options for us to

construct vessels at our facilities in Glasgow, Scotland, or for international customers to build ships under licensed design agreements using their own indigenous industries.

The Royal Thai Navy accepted its first 90 metre Offshore Patrol Vessel, HTMS KRABI, from Bangkok Dock in 2013, which is a variant of the baseline BAE Systems design. HTMS KRABI has already completed around 1000 days at sea with the Royal Thai Navy. BAE Systems delivered three Offshore Patrol Vessels built in the UK to the Brazilian Navy from 2013 to 2014.

BAE Systems are also constructing three Offshore Patrol Vessels for the UK Royal Navy at their facilities in Glasgow, Scotland. The ships are of the same baseline design, with modifications to meet UK Royal Navy requirements. The UK Government committed to buy two further Offshore Patrol Vessels in its recent Strategic Defence and Security Review.

The Offshore Patrol Vessel is designed for management of economic exclusion zones and the provision of effective disaster relief, with the range and capability for ocean patrol and deployment anywhere in the world. The design is based on the proven pedigree of the 80 metre River Class vessels operated by the UK Royal Navy since 2003. Good sea-keeping, speed and fuel economy have been improved further by the lengthened hull of the 90m variant, while the rugged commercial components in the ship systems are suited to high annual operating hours and rapid repair.

The design can be modified for either naval or coast guard needs, including options for a hangar, alternative combat systems, boats and internal compartments, such as additional aft accommodation. The ship's capacity for Special Forces deployment, pollution control, operation of remotely operated underwater vehicles to provide mine countermeasures and carriage of standard containers add to the versatility of the design. The optional commonality with UK Royal Navy command systems provides significant potential for minimising future obsolescence as well as providing scope for training in the UK.

## ▶ AIDN-TASMANIA

## AIDN-TAS MEMBERS' NEWS



### AUSTRALIAN MARITIME COLLEGE TO BUILD WORLD-CLASS AUV RESEARCH FACILITY

Building plans for a new \$750,000 facility set to position Tasmania as a world leader in underwater robotic technologies were revealed on Wednesday. The autonomous underwater vehicle (AUV) facility, located at the University of Tasmania's Australian Maritime College (AMC), will be home to a fleet of robots used to survey the ocean's depths and collect scientific data on research missions.

AMC Principal Professor Neil Bose said the development would bring a range of social and economic benefits to the Launceston region.

"This is an exciting new development for AMC, the University and the state of Tasmania. It will be unique within Australia and one of just a handful of comparable facilities globally, allowing us to be on the cutting-edge of research in this field," Prof Bose said.

"Building our underwater robotic research capabilities not only enhances our reputation on the international stage, it also helps stimulate the local economy through the recruitment of specialist personnel and the use of a local architectural firm and other related industries." "This facility will be a hub for world-class AUV research and technology.

Through local and international collaborations, we aim to develop new data collection capabilities, improve reliability and increase autonomy of underwater vehicles," AUV facility coordinator Peter King said.

"One of these projects, the Antarctic Gateway Partnership, will see us acquire and develop an AUV that tackles the great engineering challenges of venturing far beneath ice-covered waters to further our understanding of the Antarctic's role in the world's climate."

The facility's fleet of autonomous robots includes UBC-Gavia, Mullaya and the soon-to-be-procured Antarctic Gateway Partnership AUV.

The \$24 million Antarctic Gateway Partnership is a Special Research Initiative of the Australian Research Council bringing together the University of Tasmania, CSIRO and the Australian Antarctic Division to build further polar research capability in Tasmania as a gateway for Antarctic research, education, innovation and logistics. The Antarctic Gateway Partnership has contributed \$3.6 million in funding for the new AUV and four of the new staff positions, with a further \$3.75million and one staff position contributed by AMC.

Building works are expected to be completed in late 2016. [Courtesy of ADM](#)



## Sharing technology for a more secure Australia

At Mitsubishi Heavy Industries, we make much more than the world's largest and most advanced conventional submarines. We are one of the world's leading and most diversified industrial groups, with a proven track record in fields ranging from commercial aviation and transportation, to energy and the environment, machinery, equipment and infrastructure, and integrated defense and space systems. Today, Australia is booming with ideas, and we want to contribute in every way we can — sharing ideas and technology to help make the nation more secure and prosperous for



The MHI Group also produces the MRJ (Mitsubishi Regional Jet), H-IIA/B rocket launch vehicles, and advanced Aegis-class destroyers.



more secure and prosperous for generations to come.



## ▶ AIDN-VICTORIA

## AIDN-VIC NEW MEMBERS

AIDN-Vic welcomes the following new members:



### Bredo Mators Pty Ltd

Areas we service and manufacture components for include the Medical industry (Surgical & Air both Prototyping & Development), Department of Defence (Prototyping, Development & Production Runs) Speciality Tooling (Sutton Tools) our equipment is diverse and our people are experienced, either long production runs, jobbing, prototyping or Development in all Materials including Aluminium Extrusions & Plastics.

We currently have 11 CNC Machines (2 of these are less than 2 years old), these comprise of 3 Swiss type sliding head machines capable to 11 axis of machining, 4 Conventional Multi Axis CNC & 4 (4 Axis machine centres with Auto pallet changers) All the CNC Lathes we have are able to bar feed automatically materials from 2mm Dia up to 80mm Dia anything above these sizes are billeted up to a maximum diameter 340mm. We also look after heat treatment and coatings, such as electro less nickel as well as anodising.

Please contact:

Shayne Kelly

Director

Phone: 03 9460 3648

shayne@bredomators.com.au



### Logistic Solutions Australasia

LSA's core business is providing professional and qualified practitioners to support technical equipment and systems through all phases of the life cycle, including concept, acquisition, in service and disposal.

LSA's professional support services include Training Services, Logistics Support Analysis, and Integrated Logistic Support which includes Technical Writing, Systems Engineering, Maintenance Engineering and Project Management.

Please contact:

Kenneth Hoppe

Managing Director

Phone: 03 9682 3098

ken@lsaust.com.au



## IMI Precision Engineering

IMI Precision Engineering offer standard fluid control solutions off the shelf through to bespoke special engineered solutions to military vehicle engine/exhaust management controls, fuelling and process valve components as well as pneumatic manifolds and fittings to support vehicle control in harsh environments.

We supply safety & critical pneumatic controls in naval ship door sealing systems as well as heavy duty components for air preparation and custom build panels through our engineered products process.

We are a world leader in motion and fluid control technologies for applications where precision, speed and reliability are essential.

Please contact:

Gavin Snoxall

Sales Director

Phone: 03 9213 0832

[gavin.snoxall@imi-precision.com](mailto:gavin.snoxall@imi-precision.com)



## Vative Pty Ltd

Vative is a leading Australian provider of business/process improvement consulting and training. Years of experience working with numerous Government/Defence departments and leading organisations such as BHP, TOLL, Kmart, Toyota, Bosch, La Trobe University and more.

Vative is a recommended service provider on the Governments GOVDEX system. Vative have an exceptional track record of delivering their clients a minimum of 500%-1000% ROI through improvements in efficiency and the adaptation of ideologies such as Lean and Lean Six Sigma.

Certified Lean Six Sigma and Lean Practitioner training is also delivered regularly by Vative and is suitable for adopting best practice for individuals from all industry backgrounds.

Please contact:

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## ZCG Scalar Antennas

ZCG has a proven record of providing high quality, competitively priced Antennas and RF Accessories for all industries and applications on time and on budget.

ZCG has a general engineering workshop, CAD design, development facility and manufacturing plant on one site providing the capability necessary to offer one off custom design antennas to high volume production runs.

We are committed to Australian manufacturing and where possible our antenna sub-components are produced in house ensuring ZCG has ultimate control of custom builds, quality and lead times.

Our head office and manufacturing facility is based in rural Victoria and has office/warehouses located in Perth and Brisbane enabling ZCG to offer a high level of customer service and product support Australia wide.

Please contact:

Trevor Small

## ▶ AIDN-VIC MEMBERS' NEWS



### VIDAR PROVES 80X COVERAGE DURING ROYAL AUSTRALIAN NAVY DEMONSTRATION

Sentient is pleased to confirm recent demonstrations of our ViDAR (Visual Detection and Ranging) system operating on-board a ScanEagle UAV for the Australian Navy operating from Nowra, Australia. For the first time, ViDAR provided the ScanEagle with a reliable find function – demonstrating the ability to autonomously detect a range of objects without prior knowledge including a fast boat at 9.1nm, a yacht at 6.5nm, a helicopter in mid-flight at 3.5nm and even a submerged whale at 1.5nm from the aircraft.

Kestrel Maritime ViDAR is the world's first Wide Area Motion Imagery (WAMI) solution for the maritime domain. This transformative capability for the first time enables consistent, real time detection of objects as small as people in the water over vast expanses of the ocean's surface.

## ▶ DEFENCE & SECURITY NEWS

### BELL HELICOPTER, BAE SYSTEMS AUSTRALIA TEAM TO PROVIDE ENHANCED ROTORCRAFT SERVICE AND SUPPORT

Bell Helicopter, a Textron Inc. (NYSE: TXT) company, announced at the Singapore Air show it has signed an agreement with BAE Systems Australia to pursue military rotorcraft opportunities in Australia.

"The signing recently with BAE Systems establishes the groundwork for what will be the premier provider of service and support for future customers of Bell Helicopter military rotorcraft in Australia," said Lisa Atherton, executive vice president of Military Business for Bell Helicopter. "BAE Systems is an Australian aerospace leader with unmatched technical knowledge and expertise. This relationship aligns our interests and pursuits as we work together to pursue opportunities to strengthen and support the capability and posture of the Australian Defence Force."

Under the teaming agreement, BAE Systems will play a significant role in providing support for Bell Helicopter AH-1Z Viper attack rotorcraft. This will include overseeing helicopter maintenance and sustainment, and supporting training for future customers.

"We are looking forward to working closely on opportunities with Bell Helicopter as its sustainment and support partner in Australia," said Steve Drury, BAE Systems Australia Aerospace Director. "We are one of Australia's leading, total aircraft sustainment providers, committed to maximising defence capability for least cost. We have been maintaining rotary wing aircraft for more than 20 years and this long-term strategic partnership with Bell Helicopter offers a superior end-to-end military rotorcraft solution."

The AH-1Z Viper is the world's most advanced attack helicopter. It shares 85% commonality of major components with Bell Helicopter's UH-1Y Venom utility rotorcraft, enhancing deploy ability and maintainability, while reducing training requirements and the logistical footprint between the two platforms.

The AH-1Z Viper and UH-1Y Venom are marinated aircraft, designed specifically for sustained high performance when operating on ship and shore bases, in the open seas, littoral zones, and in desert and tropical environments. The airframes are manufactured to resist corrosion present in coastal and humid environments, making these aircraft mission-capable in practically every environment on the planet.

## CYBER SECURITY GROWTH CENTRE TO BE ESTABLISHED

Strong cyber security is essential to allow individuals and businesses to take advantage of the economic possibilities of the digital world. To create opportunities for businesses in the rapidly growing cyber security sector, the Federal government is providing \$30 million through to 2019-20 to establish a new industry-led Cyber Security Growth Centre to grow and strengthen Australia's cyber security industry.

The global cyber security market is currently worth more than US\$71 billion and is growing at around eight per cent a year. The CSGC will ensure that Australia is a global industry leader, able to export products and services in the global marketplace while helping Australian businesses and governments to address the growing threat of cyber crime.

Sandra Ragg, assistant secretary Cyber Policy at the Department of the Prime Minister and Cabinet (DPMC) said the CSGC will be a place "where we can bring together the talent that exists in the research and academic community and within business to get commercialisation of products".

Ragg said it was about business more broadly, and how it can be enabled to take advantage of cyber security to deliver technologies in a secure way that will position them better in the global marketplace.

"There is flexibility in the arrangement to co-design the CSGC so that it actually matches the needs of the cyber security sector, the business sector more broadly and the research sector and can move rapidly in an agile way to react to the markets."

[Courtesy of ADM](#)

## ▶ GENERAL NEWS

### 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 Friday 29 April 2016 in Canberra from 0900h till 1500h. 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 date for the next meeting of the LEWG will be advised when known. This is expected to be in the Sep-Nov 2016 timeframe when the DWP and FPR Implementation Plan are available.

#### Maritime Environmental Working Group (MEWG)

The next MEWG will be held on Friday 8 April 2016 0900-1700 at Murray Room in National Convention Centre Canberra.

#### 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 SEWG was held on Thursday 17 March 2016 at "The Common Room", University House ANU in Canberra.

### PERSONNEL CHANGES

QinetiQ Australia has appointed Mat Sibree as General Manager Aerospace. Based in South Melbourne, Mat has overall responsibility for 80 engineers and consultants delivering advice and services to Defence, industry and commercial customers.

Rheinmetall AG has decided to consolidate its Defence unit's extensive military vehicle activities in a new division called "Vehicle Systems". As a first step, Rheinmetall Landsysteme GmbH (RLS) and Rheinmetall MAN Military Vehicles GmbH (RMMV) have been placed under joint management effective from 1 January 2016. Australian Ben Hudson (CEO) and Michael Wittlinger (CFO) will lead the new division with Hudson also been appointed to the Executive Board of Rheinmetall Defence (RD).

Jens Goennemann to head Advanced Manufacturing Growth Centre The former managing director of Airbus Group Asia Pacific/Airbus Helicopters Jens Goennemann is now the managing director of the Advanced Manufacturing Growth Centre. The Centre aims to establish hubs throughout Australia to strengthen and leverage existing collaborative relationships. One of his accomplishments during his previous eight year role was the acquisition of Safe Air, NZ's Military Aircraft Through Life Support provider.

CAE has announced the appointment of Andrew Rankin as vice president of Strategy and Business Development for the Asia/Pacific region within the company's Defence and Security business unit.

In addition, CAE announced the formation of an advisory board for the Asia/Pacific region to help guide the company's strategy and initiatives within the defence market segment. Former Chief of the Royal Australian Air Force, retired Air Marshal Geoff Brown, was named Chairman of CAE's Defence & Security advisory board for Asia/Pacific.

Rheinmetall Defence has appointed Gary Stewart as Chief Operations Officer Rheinmetall Defence Australia to drive the growth of the business in Australia and NZ.

The Government has appointed Ms Loretta Reynolds to the Board of ASC Pty Ltd (ASC) for a three year term.

Engineering and consulting firm Aurecon's Global CEO, Giam Swiegers announced recently that Andrew Muller, previously CFO of Lendlease Construction & Infrastructure Australia, had joined Aurecon as its Chief Financial Officer (CFO) and as a member of its Executive Committee effective 1 February 2016.

## ▶ UPCOMING ACTIVITIES

### DMTC Annual Conference

Date: 16 and 17 March, 2016

Location: Shine Dome, Canberra.

The DMTC Annual Conference has become a key event in the defence calendar, providing the opportunity to learn about the latest advances in technologies and priority industry capabilities within the DMTC community. The conference will include keynote presentations by prominent Defence and industry guest speakers, synopses of the technical challenges facing the Army, Navy and Air Force and detailed technical presentations on the progress of DMTC projects.

The Gala Dinner will be held on the evening of 16 March at the Australian War Memorial and will include the presentation of the Awards for Excellence as well as a distinguished Guest Speaker.

Further details, including how to register, will be announced soon.

### CIVSEC 2016 – Civil Security and Civil Defence

Date: 31 May – 2 June

Location: Melbourne

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

Email: Chris MacFarlane  
[expo@amda.com.au](mailto:expo@amda.com.au)

CIVSEC 2016 is a major international showcase of technologies, expertise and ideas in the fields of civil security and civil defence. It will address the complex and increasingly important and inter-related challenges of border control, law and order, terrorism prevention and disaster response and relief management. The forum will bring together experts, innovators and government professionals from throughout Australia, the Indo-Asia-Pacific region and indeed the world.

### ADM's Defence Cyber Security Summit

Date: 21-22 June 2016

Location: Hotel Hyatt, Canberra

Organiser: Information with ADM

Website:  
[www.admevents.com.au/defence-conference/cyber-security-conference](http://www.admevents.com.au/defence-conference/cyber-security-conference)

The annual Cyber Security Summit is Australia's only Canberra-based annual Defence conference. This pre-eminent gathering has featured keynote addresses from the Minister for Defence, the Chief of the Defence Force, Chiefs of both the Army and Navy, and the Deputy Secretary and First Assistant Secretary from the newly created Capability Acquisition and Sustainment Group. Budgetary analysis will be provided by ASPI, and industry perspectives will be delivered by CEOs of the nation's leading defence suppliers.

### Land Forces 2016

Date: 6-8 September 2016

Location: Adelaide Convention Centre

Organiser: Land Defence Australia

Website: <https://www.landforces.com.au>

A broad range of conferences, symposia and forums will be conducted in conjunction with the Land Forces trade show. See the website for more details about the various programs and trade show details.

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

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

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

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

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

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

## CAN WE HELP YOU?

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

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