



NATIONAL NEWSLETTER
No 1 of 2016

Quote of the month

"If think you can't, you're right. If think you can, you're right."

- *Ken Hatton*

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Happy New Year for 2016

AIDN wishes you all a productive New Year and looks forward to working with AIDN members in 2016.



CIVSEC 2016

CIVIL SECURITY AND CIVIL DEFENCE

31 MAY - 2 JUNE 2016 MELBOURNE AUSTRALIA
SECURITY, SAFETY AND SOVEREIGNTY FOR THE INDO-ASIA-PACIFIC

▶ AIDN NATIONAL NEWS



NATIONAL PRESIDENT'S MESSAGE

Greetings

To my fellow AIDN members..... hello and Happy New Year. Would you believe how quickly we have entered it!

I trust all of you enjoyed your Festive Season and family was paramount.

We must all now turn our minds to 2016 and the challenges that are apparent. Not the least of which is the eagerly awaited White Paper, Defence Industry Policy Statement (DIPS) and Defence Investment Plan (DIP).

Acknowledgements

Our 2015 Annual General Meeting was held in December in Victoria. Many thanks to AIDN Vic for hosting this event.

I was honoured to be re-elected as President. Many thanks to those who supported my nomination and congratulations to the new AIDN Committee:

Office Holders

President: Alan Rankins
Vice President: Rob Forbes
Immediate Past President: Graham Priestnall
Treasurer: Gary Bettcher
Secretary: Stephen Harvey

Committee Voting Members

AIDN-NSW Medhat Wassef
AIDN-NT Andrew Jones
AIDN-Qld Aaron Thompson
AIDN-SA Chris Burns
AIDN-WA Serge DeSilva-Ranasinghe
AIDN-Tas Vacant

I acknowledge the hard working support from Sue Smith AIDN Executive Officer, Sharon Blondel and the State Chapter Executive Officers.

President and National Committee Activities

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

- Our review of AIDN's Strategic Plan continues with the planned release of our new Strategy and Communications Plan on 8th February 2016.
- I have had fruitful meetings with the Deputy Secretary CASG Mr Kim Gillis and A/g First Assistant Secretary, Defence Industry Policy, Ms Kate Louis to discuss how AIDN can assist CASG and Defence finalise and implement government industry policy and programs.
- I have released a draft governance policy for AIDN internal review. Once finalised this will be published to our members. AIDN believes in strong governance and a focus for me is to have a documented framework early this year. We will ensure our efforts align with our strategy and remain compliant with the Incorporated Associations Act. Our governance approach has been obvious in 2015 with the strategic development, RFT for Executive Support and other initiatives.
- Activities related to our 21st Birthday celebrations are at full force now. We have a number of Sponsors including Lockheed Martin, TKMSA, DCNS, BMT, Broadspectrum, Mitsubishi Heavy Industries, KBR and Rheinmetall. Many thanks to all these companies for their generous support of AIDN. We can always accommodate more Sponsors! This event is being coordinated by Graham Priestnall, Immediate Past President (QinetiQ), Rob Forbes AIDN ACT President (CEA), Sue Smith our National Executive Officer and I.
- Our strategic consultant, Mr George Lianos of 8DaysaWeek Pty Ltd, is facilitating the AIDN strategic review and visiting, and/or discussing input with, all Chapters. I urge you all to input via your Chapter XOs.

Planned Activities

I will continue to arrange my appointments with the new Defence leaders to ensure we have a mutual understanding of the way forward for AIDN and its broad membership base going forward to the new White Paper, DIPS and the DIP.

Further planning activities will be undertaken for our 21st birthday celebration event and it will be held on 8th February 2016. AIDN has engaged Consec Conference and Event Management to organise the event.

The ADM Defence Congress will be held in Canberra on the 9th February 2016. AIDN will be strongly represented at this Congress.

Continued review of the AIDN Strategic Plan and its release.

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

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

Theme for AIDN

The Changing Landscape. Reorganisation for the future.

Our theme remains "The Changing Landscape" are we ready? Again I urge you to contribute to how you would like to see AIDN in its National role perform for you as Chapter members.

AIDN is your SME representative. We enjoy strong relationships with the Ai Group Defence Council and ABL Defence Industry Unit but we unashamedly focus as the peak organisation representing Defence & Security industry SMEs in Defence. The more you participate, the stronger we become. We have achieved significant changes in Australian Industry Involvement and other policy areas over the years that benefit SMEs, and will continue to work to your benefit.

AIDN will be further documenting its Governance and procedures early in 2016. This will ensure we have a strong organisation for the future.

I want to put to bed a rumour I am hearing that AIDN is pushing for Offsets. Our policy approach is not for Offsets directly but for recognition of the real environment in which AIDN SMEs operate.

A perusal of our SME Participation Plan and Industry Involvement Papers will clarify that AIDN first and foremost wants a strong and viable Australian Defence SME base. Australia can only achieve this by ensuring core Australian capability is supported. We welcome the Australian Government and Defence statements that Australia's defence industry is a Fundamental Input to Capability as we expressed it in our SME Participation Plan.

The AIDN position is based on the fact that SMEs have much less discretionary funding than large multi-nationals or Australian prime contractors. This funding is mostly utilised to better position the SME to win Australian work. Whilst we support the Government's Global Supply Chain initiatives and the efforts of participating Primes, we are clear that, if an SME is to participate in the Global Supply Chain Program, they must have a successful Australian business base to withstand the demands of the slow and expensive process of winning in the global markets.

What we do raise, as a legitimate issue, is that once an Australian SME is in the Global Supply Chain the "playing field" is very unevenly biased to the home country's industries - as all other nations we might trade defence capability with various forms of Offset or protection. It is "Ostrich country" to not recognise that.

Even the advantage of a great exchange rate does not fully compensate for this disadvantage. So defence and industry in Australia must work together to strengthen our industry base such that success is achievable. In addition, we ask the Defence Department to continue its programs to allow innovative and nimble SMEs to gain access to large multi-national supply chains and continue its current support for Australian industry overseas. We have had some successes in this endeavour and AIDN will work tirelessly to ensure there is more to come.

AIDN will continue to work with Kim Gillis and Kate Louis to assist in defining of the framework required to ensure this Fundamental Input to Capability, that is the Australian Defence SME, is maintained and strengthened.

In addition, one of the AIDN Constitution objectives that we believe remains valid for AIDN to pursue is:

To actively promote the Buy Australian Program and the All aims and objectives, and assist members in participating in industry development programs.

Whilst that specific program is no more, the objective remains valid in my view.

One of the things we have done towards this aim is to significantly support the Australia Made Defence initiative, sometimes under criticism. This initiative, coordinated by AIDN-SA, has had its critics and supporters and is predominately and unsurprisingly focused on the SEA 1000 Submarine Program and general shipbuilding programs at present.

I am assured that the level of support for this campaign has far outweighed its detractors to date, and there is indeed evidence to support this view. I have enormous respect for any campaign that unashamedly promotes Australian industry but I also recognise that this campaign needs to be for all Australian industry.

AIDN hopes the Australian Made Defence campaign will develop into a more general exposure of Australian made defence products and services and assist the public to know of our collective Australian defence industry achievements. This will only happen if all Australia's defence SMEs get behind the campaign and write to its coordinators with constructive criticism and suggestions. No-one is pushing for handouts. AIDN seeks recognition that a vibrant defence industry in Australia is vital to our national strategic interests and at times, like when there is a high Australian dollar value, there may be a premium to pay for this capability retention.

AIDN wants to work cooperatively with the defence department to further Australian industry participation. See my earlier comments re the plans for 2016. But we will not be representing our member company concerns if we remain silent as our capability diminishes.

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 or my mobile 0413014480 during working hours.

Alan Rankins President AIDN

AIDN YOUNG ACHIEVER AWARD (YAA)

The AIDN National YAA award will be announced at the AIDN 21st Anniversary Dinner on Monday 8 February at 1900 at The Boat House by the Lake, Lake Burley Griffin.

We have four outstanding finalists:

ChristineChen, Thales Australia AIDN-NSW

Dong PhuLe, Nova Systems AIDN-QLD

Brodie Ryan, Raytheon Australia DTC

LucindaTeague, Harris Corporation AIDN-VIC

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AIDN 21ST ANNIVERSARY DINNER

This prestigious event on Monday 8 February at 7pm at the Boat House by the Lake, Lake Burley Griffin is a sell-out.

AIDN NEXT MEETING

The next General Meeting of AIDN National will be held on Monday 8 February in Canberra.

▶ AIDN-CANBERRA

AIDN-ACT MEMBER NEWS

NEW SYSTEMS ENGINEERING TRAINING COURSE

The course case study uses the development of a new armoured fighting vehicle. We teach a defined systems engineering methodology covering an integrated approach to operational analysis, requirements development, architecture design, functional analysis, and design and synthesis. Students then 'learn by doing' by designing a system and recording the inputs and outputs of the system engineering process in an integrated requirements database. At the conclusion of each stage of the system design process, students produce drafts of the key systems engineering documentation, including: a concept of operations; functional and performance specification; system description document; sub-system specification and interface control document.

To complement the training on system behaviour and design, the course also teaches students how to develop a suitably tailored systems engineering program and verification & validation program that controls the planning, review and assessment of engineering activities. Students prepare the key systems engineering management artefacts including: a systems engineering management plan and verification & validation plan and technical risk register.

Further details about the course are available at www.ece.net.au/training.

▶ AIDN-NEW SOUTH WALES

Hello from the NSW chapter,

Welcome and a Happy New Year to all for 2016.

2016 is shaping as a big year for the defence industry in NSW and Australia-wide. This year we will see the release of the Government's long-awaited White Paper and its accompanying Defence Capability Plan and Industry Policy Statement.

Not only will we have new policy to guide our efforts, but we will also find out which group has been successful in its bid to build our new submarines. We have already had the opportunity to hear from each group, and to pitch our unique capabilities to them. And in 2016, DCNS is running Innovation Seminars, at first in Melbourne, but we will be pushing for this in Sydney too. You will have also received an invitation to attend a Business France presentation and business matching event in Sydney on 1st February.

Following the NSW chapter's 21st Anniversary last year, our National organisation reaches the same milestone this year. They are celebrating with a Dinner in Canberra on 8th February and will announce the winner of the National YAA at it, with our NSW winner Christine Chen one of the entrants. Some may also stay for the ADM Congress the following day.

With these announcements and events building momentum, we look forward to a big year in defence business for the NSW membership.

Regards,
Medhat Wassef
NSW President

FEBRUARY BREAKFAST

Arrangements for our first breakfast of the year are still being made. When plans have been finalised, probably for a date later in February, you will all receive an invitation.

▶ AIDN-NSW NEW MEMBER



Kordia Solutions

Kordia Solutions is an end to end telecommunications, communications, broadcast and infrastructure service provider. Kordia engineers, technicians, riggers, and project specialists have the experience and skills required to design, deploy and maintain critical networks and infrastructure. Kordia delivers a wide range of engineering and technical services including operations and maintenance, network planning, design and integration, network deployment, and telecommunications and broadcast infrastructure in Australia and New Zealand. Our unique network engineering capability includes Australia wide RF planning, design, optimisation and operational skills necessary to design, build and operate a telecommunications network.

For further information please contact

Paul van den Bogaert
Ph: 02 9856 2322
Email: paul.vandenbogaert@kordia.com



Mendoza Legal & Consulting

We practice in corporate and commercial law and are trusted advisers to clients in the fields of government, Defence industry and aerospace. We provide a broad range of legal and strategic advice in relation to Defence materiel and aerospace including civil and military aircraft, componentry, airborne and ground support systems, simulator systems, training systems, maritime systems, land systems, insurance arrangements, intellectual property, regulatory compliance, responding to requests for tender and contract negotiation including within ASDEFCON templates. We offer a range of competitive fee structure options to suit clients' needs.

Our principal, Daniel Mendoza-Jones, has previously practised at Allens Arthur Robinson (now AllensLinklaters) and at the

Department of Defence. Having worked in private and government practice, Daniel's commercial and legal advice is often sought by government agencies and by small and large organisations in relation to government business.

For more information about Mendoza Legal & Consulting, please visit www.mendozalegal.com.au or contact us at info@mendozalegal.com.au

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▶ AIDN-NSW MEMBERS' NEWS

JAMES DOUGLAS APPOINTED AS NON-EXECUTIVE DIRECTOR

The Board of advanced manufacturing company Quickstep Holdings Limited, recently announced the appointment of Mr James Douglas as a Non-executive Director, effective immediately.

Mr Douglas is Chairman of Australian composite automotive wheels manufacturer Carbon Revolution and a founder of investment firm Newmarket Capital, a strategic investor in the carbon fibre manufacturing sector.

Quickstep Chairman Tony Quick said. "On behalf of Quickstep's Board of Directors I am delighted to welcome James Douglas. His wealth of experience in investment banking and strong knowledge of the carbon fibre and automotive industries will be a valuable asset for our business. His skills and experience bring new expertise which complements our Board's existing strengths."

Mr Douglas has over 20 years of global investment banking experience and has held former roles as Global Head of Consumer Products at Merrill Lynch, Head of Consumer Products – Americas at UBS and Head of Global Banking Australia & New Zealand at Citi. He holds a B. Law & Science from the University of Melbourne.





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

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

* including previous versions

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▶ **AIDN-QUEENSLAND**

The Guest Speaker for the evening will be Chris Hess LMCo

The full schedule of 2016 meetings is as follows:

2016 Meeting Schedule

Date	Host/Venue	Speaker(s)
28 Jan	Integra	Chris Hess LMCo
18 Feb	Depth Logistics	
17 Mar	Celemetrix	
21 Apr	PJ Bowers	
26 May	Thales PV	
16 Jun	Annual Dinner	
21 Jul	QUT	Dr. Peter Beven
18 Aug	Airbus Group (AGAP)	
15 Sep	B & R Enclosures	
20 Oct	Defence Health (@ USC)	
24 Nov	AGM	

Interstate members visiting Queensland are Welcome to attend – contact

Kevin Carroll
Executive Officer
AIDN-QLD
Mob: 0412227375
Email: kevjcar@tpg.com.au

▶ AIDN-QLD MEMBERS' NEWS



HETECH, YOUR PRODUCT DEVELOPMENT & MANUFACTURING PARTNER

Hetech is an Electronic Design and Manufacturing company offering customer specific solutions and concept-to-delivery products, with a 25-year history of providing turnkey services, design and manufacturing solutions to some of Australia's major industries.

Ongoing investment in innovative technology and processes enable Hetech to offer our customers quality services at top international manufacturing standards.

So what can we do for you? Hetech is committed to providing innovative design and manufacturing solutions, whilst building relationships of trust with our customers.

Hetech's custom designed facility based in Brisbane positions the company at the forefront of electronics manufacturing, with design and manufacturing processes, software and equipment observing industry best practice performance.

A partnership with Hetech includes access to our network of national and international manufacturing companies, allowing us to share existing infrastructure for higher volume production requirements.



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2016 AUSTRALIAN COURSE SCHEDULE

Systems Engineering for Technology-Based Projects and Product Developments	
7 March - 11 March	Adelaide, SA
27 June - 1 July	Melbourne, VIC
25 July - 29 July	Sydney, NSW
1 August - 5 August	Brisbane, QLD
5 September - 9 September	Melbourne, VIC
10 October - 14 October	Sydney, NSW
28 November - 2 December	Adelaide, SA
Human Systems Integration	
15 February - 19 February	Melbourne, VIC

Requirements Analysis and Specification Writing	
22 February - 26 February	Adelaide, SA
18 April - 22 April	Melbourne, VIC
16 May - 20 May	Sydney, NSW
14 November - 18 November	Melbourne, VIC
21 November - 25 November	Perth, WA
Systems Engineering Management	
11 April - 15 April	Adelaide, SA
23 May - 27 May	Gold Coast, QLD
19 September - 23 September	Melbourne, VIC

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INTRODUCING A NEW NAME ...

Like our response time which needs to be fast, it made sense for our name to be succinct. Aerospace and Defence Australia will now simply be known as Aero Defence.

Many of you are already familiar with this name. It is the online name for our website www.aerodefence.com.au, and is already used for our emails.

This bold new logo design celebrates our growth and progress, it is confident and an enduring symbol of our commitment to our clients to provide high quality products, efficiency and outstanding customer service.



▶ DEFENCE TEAMING CENTRE (DTC)

DTC NEWS

PROGRESS CONTINUES ON AIR WARFARE DESTROYERS

In naval tradition, a coin was placed beneath the keel block for Ship 03 Sydney by Chief of Navy, Vice Admiral Tim Barrett and two ASC apprentices, marking the vessel's consolidation phase.

A 38 percent productivity improvement has been achieved between the first and second ships, and a further 13 percent on the third.

Combat systems activation has commenced on Hobart Ship 01 and a fully-outfitted mast has been installed on Ship 02 Brisbane - a feat that has taken 10,000 fewer hours than it did on the first ship; a 50 percent cost saving.

GHD STRIDES FORWARD WITH GENDER EQUALITY

GHD is one of 90 companies to receive the Employer of Choice for Gender Equality (EOCGE) citation from the Workplace Gender Equality Agency (WGEA) in Australia.

This is the second year that GHD has received this citation, which acknowledges the company's continuing evolution in creating a diverse and inclusive workforce.

WGEA Director Libby Lyons says, "The initiatives demonstrated by this year's EOCGE recipients showed that more employers were taking a sophisticated and whole-of-organisation approach to supporting women and men's equal participation at all levels of the workplace."

Phil Duthie, GHD's General Manager – Australia, a WGEA Pay Equity Ambassador and a member of Consult Australia's Male Champions of Change group, says, "Despite more rigorous criteria, it is great to see real change happening in a historically male-dominated industry, with Jacobs and AECOM joining GHD and Arup in being awarded the citation."

In reflecting on progress over the past year, Phil says, "I am particularly proud of the strides we have made with flexible working to support men and women to balance work and personal commitments."

Research shows that flexible working helps attract and retain a diverse workforce. Earlier this year, a unified flexible working policy was created by GHD's Diversity & Inclusion Group, comprising a cross-section of people from across the Australian business.

Phil adds, "Change takes time, and one of the biggest pieces is creating a shift in the cultural acceptance of flexible working as a legitimate and valuable way of delivery quality outcomes for our clients and business.

"We're seeing more people with flexible working and part time contracts applying for management and other key positions, which is fantastic. From a company point of view, it's a real win-win situation as we have a more comprehensive list of applicants for roles."

BIG DATA CONNECT PROGRAM

Funded through the Department of State Development, the Big Data Connect Program aims to assist SA manufacturers in exploring and adopting Big Data technologies. The Data to Decisions CRC has been working with SA Manufacturers to identify opportunities to leverage Big Data and Analytics/Machine Learning. The CRC will continue to work with these Manufacturers to deliver software solutions leveraging internal data, environment data and/or open source data to improve productivity, competitiveness and increase profitability. www.d2dcrc.com.au

SANJAY MAZUMDAR LISTED IN KNOWLEDGE NATION TOP 100

Sanjay Mazumdar, CEO of the Data to Decisions Cooperative Research Centre, has been named in The Australian's Knowledge Nation Top 100 Innovators, a list of innovation 'rock stars' with the ideas to drive the nation's future prosperity.

Sanjay is one of the 'Big Data Pioneers' a leading player and early adopter in Australia in this fascinating area.

FRAZER-NASH INTERN RECEIVES PRESTIGIOUS DEFENCE GRANT

Frazer-Nash Consultancy's internship student, Lisa Neldner, has received a grant by the South Australian State Development Department through the Defence STEM Internship Program. This prestigious grant enables students to gain valuable experience in Defence, science and technology through structured work placements with local companies. Lisa is working in conjunction with Frazer-Nash and researchers at Defence Science and Technology Group Edinburgh to assess rocket motor components being developed for future propulsion systems for Australia's Defence Force.

CONGRATULATIONS TO THE DTC MEMBERS WHO MADE THE ADM TOP 40 CONTRACTORS AND TOP 20 DEFENCE SMES

Australian Defence Magazine (ADM) has released the list of Top 40 Defence Contractors and Top 20 Defence SMEs for 2015. We would like to congratulate the DTC Members who made the lists:

ADM Top 40 Defence Contractors 2015

Rank	Company
1	BAE Systems Australia
2	ASC Pty Ltd
4	Raytheon Australia Pty Ltd
5	Airbus Group Australia Pacific
6	Lockheed Martin Australia Pty Limited
7	Boeing Defence Australia
13	Babcock Australia and New Zealand
16	Saab Australia Pty Ltd
21	CSC Australia
23	CEA Technologies Pty Ltd
25	Nova Systems
28	QinetiQ Pty Ltd (QinetiQ Australia)
33	Aurecon
34	General Dynamics Land Systems - Australia
36	GHD Pty Ltd & DHL Global Forwarding

ADM Top 20 Defence SMEs for 2015

Rank	Company
6	TAE Pty Ltd
12	RUAG Australia
13	Ultra Electronics
15	Broens
19	Daronmont Technologies Pty Ltd

Top 20 ANZ Defence SMEs for 2015

Rank	Company
2	TAE Pty Ltd
5	Broens
8	Daronmont Technologies



DMTC COLLABORATION SETS CORROSION RESEARCH ON THE RIGHT PATH

Forty stakeholders from Defence, defence industry and universities have met to discuss maritime corrosion in light of the Royal Australian Navy's (RAN) planned acquisition of eight Future Frigates (SEA5000).

DMTC's Maritime program hosted the Maritime Corrosion Workshop at Fishermans Bend, Melbourne, with the support of the Defence Science and Technology (DST) Group.

The objectives were to review the current state of corrosion management by the RAN, to identify and prioritise corrosion issues, and to review whether a focused scientific approach in corrosion prognostic health management (CPHM) could be used in maritime platforms.

The workshop provided a review of CPHM tools as well as an industry perspective on corrosion research needs. The main finding of this workshop was an agreement from the participants that a 'cost of corrosion' study be conducted to identify the greatest need for corrosion research and a target application. A report of the findings has been drafted for distribution.

The workshop clearly identified several areas to investigate in the maritime space as well as recognising the need for coordinated maritime corrosion-based research to support the RAN. This will be achieved with the support of industry personnel, Defence representatives and researchers.

Workshop attendees included representatives from BAE Systems, ASC, the Directorate of Naval Platform Systems, Anzac Systems Program Office, Fast Frigate Guided Systems Program Office (FFG SPO), BMT Defence Services, PPG Industries and International Paints paint manufacturers, Jacobs, SUT, DMTC and DST Group researchers.

RF SHIELDING SOLUTIONS ARE FARADAY'S BREAD AND BUTTER

With more than 25 years' experience, Faraday has become the supplier of choice for many companies wanting end-to-end design, construction and expert advice for all shielding projects. Principal Kingsley McRae has been designing, manufacturing and installing hundreds of EMI shields throughout Australia, New Zealand and Asia in this time, and ADM caught up with him and national sales manager Paul Payne at the Pacific Maritime Expo 2015.

Payne explained that Faraday is a Radio Frequency (RF) shielding company, with two sides to the business. "We act as an agency for EMI/EMC (electromagnetic interference/compatibility) test equipment and we range everything from shielded enclosures to amplifiers to antennas, as well as any test equipment required for EMI/EMC testing," Payne said. Some of the companies for which Faraday acts as ANZ agent include ETS Lindgren, Amplifier Research (AR) and Solar Electronics. In the defence space Faraday have been associated with air operations at DST Group in their test labs, according to Payne.

"They have one of the largest reverb chambers in the southern hemisphere and they use AR and ETS Lindgren equipment and antennas plus other bits and pieces that go into the EMI/EMC test equipment.

“We also do shielding for MRIs in hospitals – we have our own design for that and we utilise some of ETS Lindgren's equipment for that,” Payne said.

McRae said the company continues to grow. “We started out with three of us in 2002 and we are now 18 thirteen years later– we’ve gone from one factory to three and we do a lot of manufacturing of our own equipment.”

The company is based in Boronia in Melbourne and deal with EMI/EMC test equipment for all of the ANZ region from there. “That’s also where we operate our MRI shielding business from,” McRae said.

“If people need an RF shielding solution, then usually we can cater for all of their needs.” [Courtesy of ADM](#)



QINETIQ AUSTRALIA STARTS FATIGUE TESTING ON THALES'S HAWKEI VEHICLE

QinetiQ Australia has commenced the second phase of full scale fatigue testing on the Hawkei vehicle at Thales Australia's manufacturing facility in Bendigo, Victoria.

The eight week test program involves attaching a Hawkei production-level chassis to a 5 x 8m test rig for a series of tests to validate the predicted life of the structure and to demonstrate several improvements made since QinetiQ did the first phase of fatigue tests on the prototype in 2010.

George McGuire, General Manager Land and Maritime of QinetiQ Australia, said: “During the tests, we push the Hawkei to its absolute limits. We artificially recreate the various stresses the Hawkei might be under in the field by placing a combination of loads on the chassis, which are activated by computer-operated hydraulics powered by 100 litres of oil per minute. It is a very significant undertaking that requires a depth of technical expertise and practical implementation experience.”

Peter Goodwin, Director Operations at Thales Australia, said: “Both phases of this project have involved a high degree of teamwork and commitment between Thales and QinetiQ using a mix of personnel, equipment and facilities. QinetiQ is one of many suppliers that have played a significant role in shaping the Hawkei and contributing to its success. These full scale fatigue tests will ensure the Hawkei performs for the Australian Army over a long period of time during different stages of operation throughout its service life.”

The Commonwealth Government of Australia signed a \$1.3 billion contract with Thales in October 2015 for delivery of 1,100 vehicles and over 1,000 trailers to the Australian Army. The three and a half year production phase is scheduled to begin from mid-2017, with first deliveries expected towards the end of that year.

For more than 15 years, QinetiQ has provided fatigue and damage tolerance assessment services to various commercial and Government customers in Australia, building on existing test and evaluation expertise found in the wider QinetiQ Group. In addition to Thales's Hawkei, QinetiQ Australia has conducted military aircraft full scale fatigue tests and full scale component tests for civil aircraft such as the flaps on the 787 Dreamliner.



The first Australian pilots to undertake conversion training on the PC-21 as part of the Air 5428 new Pilot Training System Project, pictured at the Pilatus airfield at Stans, Switzerland. Credit: Defence

FIRST AUSTRALIAN PILATUS PC-21 PILOTS COMMENCE TRAINING IN SWITZERLAND

Recently arrived in Switzerland are Flight Lieutenant Andrew Lynch, Squadron Leader Scott Van Ginkel, Wing Commander Colin O'Neil, Squadron Leader Steve Bekker, and Squadron Leader Jay Tuffley. These pilots will form the transition team responsible for development of the new training curriculum and PC-21 simulators being acquired under Project Air 5428 Pilot Training System.

As part of the Air 5428 project the PC-21 will replace Air Force's current PC- 9/A and CT-4B aircraft, and will be based at RAAF Base East Sale in Victoria and RAAF Base Pearce in Western Australia.

The capabilities of the PC-21 make it ideally suited to a very wide training envelope. It can be used from day one in the training system, eliminating the need for an elementary flying training fleet, but also bridges the performance gap between traditional turboprop trainers and lead-in fighters. The PC-21 is capable of sustained low-level speeds in excess of 320 knots and hydraulically assisted ailerons and roll spoilers can produce fighter-like rates of roll in excess of 200 degrees per second.

Australia is acquiring 42 PC-21 aircraft and seven Flight Training Devices (simulators) for the new Pilot Training System, with a further three PC-21s being acquired for the Aircraft Research and Development Unit (ARDU) and four Forward Air Control variants for Number 4 Squadron.

Project Air 5428 is scheduled to deliver its first aircraft and simulators in mid- 2017. For more on the program, keep an eye out for the February edition of ADM. [Courtesy of ADM](#)

▶ AIDN-WESTERN AUSTRALIA

AIDN-WA NEW MEMBERS



TWO MORE CAPE CLASS PATROL BOATS FOR DEFENCE

Two more Cape Class patrol boats will be built by Austal for Defence in a contract worth \$63 million, The Australian has reported.

The vessels will be built for use under a minimum three year charter by the Department and are expected to be delivered in mid-2017.

Eight of the patrols vessels have been built to date and are operated by the Australian Border Force, however two, Cape Nelson and Cape Byron, were recently transferred to the Royal Australian Navy to assist with meeting its commitments for border security operations.

The RAN lost Armidale class patrol boat HMAS Bundaberg to an onboard fire as it was undergoing an extensive refit in August 2014. In addition the commencement of the structural remediation program for the Armidales has made the transfer of the two loan vessels necessary.

According to The Australian, Austal was awarded the contract by NAB, and holds the option of buying back the ships at an agreed price if Defence returns them after three years. [Courtesy of ADM](#)

RAAF TO ACQUIRE G550S FOR ISREW MISSION

On December 28, the US Department of Defense (DoD) announced that it had awarded a US\$93.6 million (A\$134.6 million) Foreign Military Sales contract to L-3 Communications of Greenville, Texas for the procurement and maintenance of two Gulfstream 550 aircraft for Australia.

L-3 will configure the aircraft for the Intelligence Surveillance and Reconnaissance (ISREW) role under contract to the US Air Force's 645th Aeronautical Systems Group at Wright Patterson Air Force Base and is expected to complete the work by the end of November next year.

The US DoD is required to post details of FMS sales by law and the announcement has pre-empted the forthcoming release of the Defence White Paper in 2016.

ADM understands that the two G550s are being acquired under Project Air555, which had tendered industry for the development of key documents to support First Pass approval between September 2014 and June last year. It is also understood that National Security Council approval was obtained in the days leading up to Christmas, prior to the exchange of Letters of Offer and Acceptance, which led to the DoD announcement only a few days later.

In response to ADM's questions, Defence provided the following statement: "The Australian Government entered into an FMS arrangement through the US Air Force for the procurement of two G550 aircraft," a spokesperson said. "The aircraft will be modified to provide airborne intelligence, surveillance, reconnaissance and electronic warfare (ISREW) capability to support ADF operations for Australia."

The spokesperson said that further details will be provided in the Integrated Investment Program (IIP), due for release with the White Paper. "The acquisition was undertaken through FMS because the ISREW program and its interoperability with other defence capabilities is only available through the USAF," the spokesperson added.

ADM also understands that as many as five G550s will eventually be acquired by Air 555.

A final decision on which unit will operate the aircraft has not yet been made, but they will be operated by the RAAF's Surveillance and Reconnaissance Group, which has units at Edinburgh and Williamstown. [Courtesy of ADM](#)

ANZAC MILESTONE

BAE Systems Anti-Ship Missile Defence (ASMD) program has notched up an impressive two million hours.

The milestone was achieved this month during work on the sixth (HMAS Parramatta) and seventh (HMAS Toowoomba) ships in the eight ship program.

The ASMD program is providing the Royal Australian Navy with a world leading defence capability.

Each ship's combat management system is being upgraded and an infrared search and track system is being introduced as well as a phased array radar and a dual navigation radar system.

While the ships are on the hard stand at Henderson, a number of additional and very complex engineering and structural changes are also being made to the frigates which include enclosing the quarterdeck and modifications to accommodate naval helicopters.

BAE Systems Australia Chief Executive Glynn Phillips said:

"The team involved is averaging 33,000 hours per month or around 400,000 hours per ship and is successfully meeting project milestones.

"The scope of work is incredibly diverse as these ships are essentially being 'gutted' and rebuilt from the inside out. It's especially challenging as the upgrade and the engineering changes and maintenance work is being undertaken simultaneously and the engineering changes vary depending on the configuration of each ship."

Once undocked, each ship is required to undertake extensive sea trials ahead of returning to service.

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 18 March 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 2015 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 will be held on Thursday 17 March 2016 at "The Common Room", University House ANU in Canberra.

PERSONNEL CHANGES

David Singleton has been selected to succeed Andrew Bellamy as CEO of Austal.

John Viskic has joined Frazer-Nash Consultancy as Maritime Business Manager after 33 years with BAE Systems.

GHD has appointed Damian Drain as Defence Infrastructure Manager. Drain previously held a senior project management and delivery role in the Department of Defence. A civil engineer who served in the Australian Army for 23 years.

▶ UPCOMING ACTIVITIES

ADM2016 Congress

Date: February 9, 2016

Location: Hotel Hyatt, Canberra

Organiser: ADM Events (Adam Wiltshire)

Phone: 02 9080 4321

Email: adam.wiltshire@informa.com.au

Website: www.admevents.com.au

The date for ADM's 2016 Congress has been confirmed. We are currently working up the program so stay tuned for speaker announcements as they are confirmed.

Singapore Airshow 2016 (Note Team Defence Australia will have a stand at this event)

Date: 16-21 February 2016

Location: Changi, Singapore

Organiser: Experia Events

Phone: +65 6595 6123

Email: dannysong@experiaevents.com

Website: www.singaporeairshow.com

Singapore Airshow is Asia's largest and one of the most important aerospace and defence exhibitions in the world. A truly global exhibition where the latest state-of-the-art systems and equipment, together with their related

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

technologies and developments, are displayed by top aerospace companies around the world. The event also features two high-level conferences namely the Singapore Airshow Aviation Leadership Summit and the Asia Pacific Security Conference.

presentation of the Awards for Excellence as well as a distinguished Guest Speaker.

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

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

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.

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

AIDN ACTIVITIES LIST FOR 2016

February	4	DCNS Innovation	AIDN-Vic
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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

CAN WE HELP YOU?

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.

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

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