



NATIONAL NEWSLETTER No 3 of 2016

Quote of the month

"I must create a system or be enslaved by another man's. I will not reason and compare; My business is to create."

- *William Blake*

In this issue

[AIDN NATIONAL NEWS](#)

[AIDN-NEW SOUTH WALES](#)

[AIDN-QLD NEW MEMBERS](#)

[DTC NEWS](#)

[AIDN-VIC NEW MEMBERS](#)

[GENERAL NEWS](#)

[AIDN-CANBERRA](#)

[AIDN-NSW MEMBERS' NEWS](#)

[AIDN-QLD MEMBERS' NEWS](#)

[AIDN-TASMANIA](#)

[AIDN-VIC MEMBERS' NEWS](#)

[UPCOMING ACTIVITIES](#)

[AIDN-ACT MEMBERS' NEWS](#)

[AIDN-QUEENSLAND](#)

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

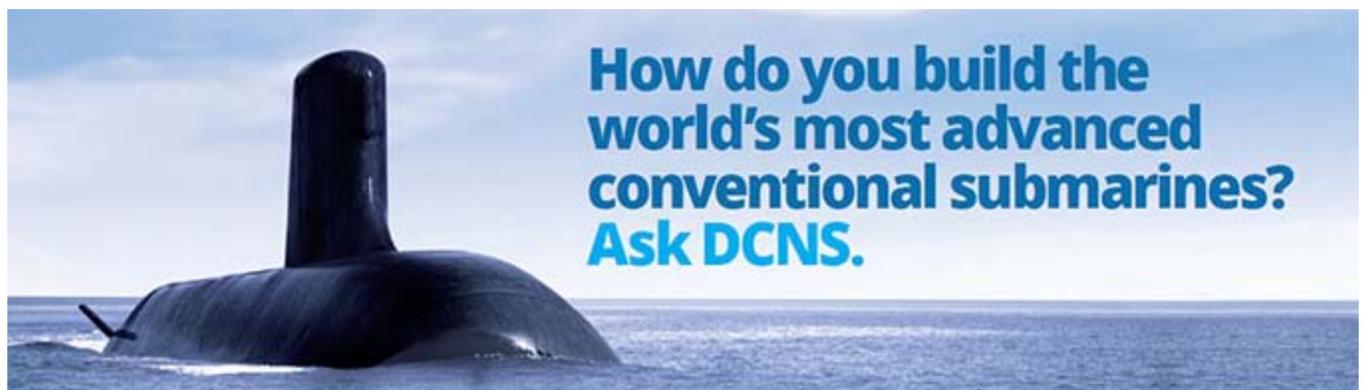
[AIDN-VICTORIA](#)

[DEFENCE & SECURITY NEWS](#)

▶ AIDN NATIONAL NEWS

AIDN NATIONAL MEETING

The next AIDN National meeting will be held in Perth on Friday 29 April. It is being kindly hosted by AIDN-WA and Civmec.



sea THE FUTURE®

DCNS

▶ AIDN-CANBERRA

AIDN-ACT MEMBERS' NEWS



QinetiQ Managing Director Greg Barsby (left) and Director General Technical Airworthiness – ADFAir Commodore James Hood with signed Aircraft Structural Integrity Services Contract.

DEPARTMENT OF DEFENCE REINFORCES QINETIQ AUSTRALIA AIRCRAFT STRUCTURAL INTEGRITY PARTNERSHIP WITH LONG-TERM, FOLLOW-ON AND PERFORMANCE-BASED CONTRACT

The Australian Department of Defence has reinforced its partnership with QinetiQ Australia in the delivery of Aircraft Structural Integrity (ASI) engineering and management services with the award of a long-term, follow-on and performance-based contract.

The contract with the Directorate General Technical Airworthiness – Australia Defence Force (DGTA-ADF), with rolling extensions for a term of up to 15 years, also facilitates greater collaboration between the DGTA-ADF, QinetiQ Australia and the Defence Science and Technology Group (DST Group) to ensure the ADF remains at the forefront of ASI management.

As part of the contract, QinetiQ Australia will deliver a range of ASI expertise including structural integrity management, airframe life extension, design of repairs and modifications, stress and fatigue analysis, software development and non-destructive testing.

Managing Director of QinetiQ Australia Greg Barsby said: "For 15 years, QinetiQ Australia has supported the DGTA-ADF in the delivery of ASI services to Defence and we look forward to another 15 years of strengthening and enhancing this strategically important industry capability."

Chief Engineer of QinetiQ Australia Michael Houston said: "QinetiQ Australia is committed to our partnership with Defence's technical airworthiness and science and technology organisations because it is critical for the delivery of safe, cost effective and capable outcomes to the ADF's current and future fleet."

QinetiQ Australia currently employs the largest concentration of ASI engineers in Australia and has delivered in excess of 3500 ASI tasks supporting the continued safe operation, enhanced capability and reduced cost of ownership of ADF aircraft.

QinetiQ Australia also holds unique status as the ADF's only commercial Authorised Engineering Organisation in ASI for all military aircraft types and will transition to become a Subpart 21J design approved organisation under the new Defence Aviation Safety Regulations being introduced this year.

The versatility of the ASI Services contract allows any agency within Defence to directly access QinetiQ Australia's specialist ASI engineering expertise including structural integrity management, airframe life extension, design of repairs and modifications, stress and fatigue analysis, software development and Non-Destructive Testing.



From left to right: Dr Alex Zelinsky and Greg Barsby sign the Strategic Alliance witnessed by Wing Commander Ben Main

QINETIQ AUSTRALIA AND THE DEFENCE SCIENCE AND TECHNOLOGY GROUP FORM STRATEGIC ALLIANCE

QinetiQ Australia and the Defence Science and Technology Group (DST Group) have formed a Strategic Alliance that capitalises on the long-standing and deep partnership between both organisations and makes a commitment to collaborative Research and Development (R&D) in areas of strategic importance to the Australian Department of Defence.

The agreement was signed in Canberra on 26 February 2016 by QinetiQ Australia Managing Director Greg Barsby and head of DST Group and Chief Defence Scientist Dr Alex Zelinsky and was witnessed by Wing Commander Ben Main from the Directorate General Technical Airworthiness – Australian Defence Force (DGTA-ADF).

The partnership between QinetiQ Australia and DST Group spans two decades, which includes several Aircraft Structural Integrity (ASI) programs undertaken with the DGTA-ADF and six years of QinetiQ Australia operating DST Group's integrated engineering services facilities at Fishermans Bend in Port Melbourne.

This month the DGTA-ADF awarded QinetiQ Australia a long-term, follow-on and performance-based contract in ASI services encompassing certification, through-life support, stress and fatigue management, airframe life extension, design of repairs and modifications, software development and Non-Destructive Testing.

A major focus of the strategic alliance will be on ASI capability to strengthen the existing partnership between QinetiQ Australia, DST Group and the DGTA-ADF and ensure the continued safe operation, enhanced capability and reduced cost of ownership of Australian Defence Force (ADF) aircraft.

Other R&D areas, which draw upon existing areas of deep technical expertise at a local and global level in QinetiQ, are traditional and exotic materials, signatures, unmanned aviation systems, weapons, training, cost assurance and integrated soldier systems.

Greg Barsby, QinetiQ Australia Managing Director, said: "This Strategic Alliance is significant because, firstly, it cements the tripartite partnership between QinetiQ Australia, DST Group and the DGTA-ADF in ASI, and, secondly, it combines the strengths of QinetiQ's global business with DST Group's scientific innovation in several collaborative R&D efforts."

Dr Alex Zelinsky, head of DST Group and Chief Defence Scientist, added: "Entering into this Strategic Alliance builds upon the strong relationship DST Group already has with QinetiQ. Leveraging the synergies between our organisations has the potential to bring real capability enhancements to the ADF in areas that require innovation, deep technical expertise and scientific knowledge."

Under the Strategic Alliance, QinetiQ Australia and DST Group have also pledged to support the ongoing professional development, retention and career progression of each other's staff through training activities and employee rotations.



▶ AIDN-NEW SOUTH WALES

AIDN NSW LINKEDIN GROUP

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

▶ AIDN-NSW MEMBERS' NEWS



The Minister and Thomas Global chairman William Hutchinson formally open the EESI Hub. Credit: ADM Patrick Durrant

THOMAS GLOBAL HOSTS MINDEF FOR INNOVATION HUB OPENING

The Minister for Defence, Senator the Hon Marise Payne, recently officially opened Thomas Global System's new Electronic and Embedded Systems Innovation Hub.

Thomas Global Systems is one of the thousands of SMEs around Australia that support the acquisition and sustainment of capability for the ADF.

"The Hub has been designed to optimise innovation, fully developing the technology concepts through to integration for applications in the commercial aerospace and defence markets," Minister Payne said.

Thomas Global Systems has supplied ground vehicle display systems, mission system solutions, and defence systems sustainment across a number of platforms including the S70B Seahawks, the Australian Light Armoured Vehicle, the M1A1 Abrams Tank, the Collins class submarines, and the Vigilare Integrated Air Defence System.

"Thomas Global System's approach to harnessing innovation to create cutting-edge capability for the ADF is the type of ingenuity the Turnbull Government is seeking to foster in Australian defence industry," Minister Payne said.

The initiatives outlined in the new Defence Industry Policy Statement that was released with the 2016 Defence White Paper last week will assist companies like Thomas Global Systems to innovate and generate new capability solutions for the ADF.

"The Defence Industry Policy Statement demonstrates the Turnbull Government's strategy to bring a new approach to innovation in Defence. This is good for capability, it's good for industry, and it's good for the Australian economy and jobs."

The Defence Industry Policy Statement also sets out the Government's commitment to reduce the complexity and red tape in doing business with Defence. This will assist Thomas Global Systems and many other small-to-medium enterprises to access opportunities in Defence and to nurture innovative ideas from initial concept, through prototyping and testing, to introduction to service.

"[Thomas represents] a leading edge, leading capability, as huge contributors to defence capability in Australia and exactly the sort of partnership we hope to continue, enhance and develop over the coming years," Minister Payne said.

The White Paper was about delivering certainty to businesses like Thomas, Payne said, in terms of what they will need to

deliver to Defence in their roles and it is an effective reset if you like of the relationship between government and industry.

Thomas Global chief technology officer Nelson Mino said so far the networking he had seen in response to the Government's innovation plan was a welcome change.

"We find that industry is talking to one another a lot more because of the general interest in the need to innovate. When you put it front and centre people start to understand that you can't operate in silos," he said.

Speaking about a recent partnership with Hawker Pacific for distribution of Thomas Global's plug and play LCD cockpit displays, Mino said Hawker Pacific had recognised they could add value to the market as the displays eliminate the CRT obsolescence threat allowing operators to get the most out of their existing airframe investment and avoid costly full cockpit upgrades.

PROJECT PERFORMANCE INTERNATIONAL

FIRST AUSTRALIAN DELIVERY

Architectural Design

This 5-Day Architectural Design course addresses the principles and methods of designing, regardless of what is being designed. The course provides an integrated approach to the set of technical design process disciplines. These combine with technology knowledge to contribute to the satisfaction of requirements and optimisation of system effectiveness, enhancing project success and reducing risk to the enterprise.

Project Performance International is proud to announce that the first Australian delivery of this course will be taking place in:

Adelaide, SA

26 - 30 September, 2016

Contact PPI today to enquire about training or consulting: www.ppi-int.com

FPI-006314-1A

HAWKER PACIFIC ENJOYING ASIA-PACIFIC AVIATION BOOM

Sydney, Australia based Hawker Pacific (HP) has reaped big gains in the Asian aviation boom. The company is looking at building a second hangar for its FBO at Shanghai's Hongqiao Airport and is considering the establishment of a full FBO at Shanghai Pudong where it now just handles visiting corporate aircraft. The company is in a joint venture with Shanghai Airports in the operation of the FBO and Pudong aircraft handling business.

For the time being it has dropped plans to invest in India where the government has just awarded rights to construct FBO to several companies.

Its state-of-the-art FBO and maintenance shop at Singapore's Seletar Airport has bookings for aircraft overhauls several years ahead.

Meanwhile in Australia the company's hangar at Cairns Airport, in tropical North Queensland is busy overhauling regional aircraft from the south Pacific islands and Australian airlines although it now has competition from Air New Zealand regional airlines operation which is seeking third party work for its workshop in Nelson. Meanwhile in Australia HP has several military aircraft support contracts.

At the Singapore Show the company's chalet was ideally beside Textron's Bell Helicopters, for which it is the Australian sales agent, and Cessna Aircraft for which its recently acquired Aeromil Pacific was the sales agent and approved maintenance business.

It has several defence contracts with the latest in partnership with Lockheed Martin and Pilatus supporting the new Pilatus PC-21 turboprop trainers for the Australian air force mostly at Pearce air base near Perth on Australia's west coast.

For several years it has had a Singapore air force contract to support its Pearce based PC-21 turboprop trainers.

Hawker Pacific also supports the two squadrons of RAAF Beech 350s based at Townsville in tropical north Queensland and East Sale in Victoria. Source Asia-Pacific Aerospace Report.

The graphic features a central blue circle with the text "DEFENCE TESTING" in white. To the right is the Austest Laboratories logo, which consists of a stylized blue and orange icon followed by the text "AUSTEST Laboratories". Below the logo are three circular icons: a ship, a tank, and an aircraft. The main body of the graphic is a large, curved banner with a blue and orange gradient. It contains three large images: a military vehicle on the left, a fighter jet in the center, and a submarine on the right. There are also three smaller circular inset images: a camouflage pattern in the top left, an anechoic chamber in the bottom left, and a laboratory setting in the bottom center.

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)
- **Electrical safety** (inc. Information Technology Equipment)





- **Climatic Testing** (inc. Temperature and Humidity)
- **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:

- MIL-STD-461F*
 - 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

Sydney | Melbourne | Adelaide

www.austest.com.au austest@austest.com.au

▶ AIDN-QUEENSLAND

DEFENCE 101 SEMINARS

In concert with Defence Industry Queensland (DIQ) and ICN Queensland AIDN-QLD has provided presentations to SME groups in Logan, Ipswich and Toowoomba. Further Seminars will be conducted in Maroochydore, Mackay and Townsville during April. A number of membership enquiries have been received as a result.

MEETINGS

The March meeting was hosted by George & Courtier Engineering at their Banyo facility. Presentations were given by DCNS, DIQ and MGI.

The 21 April meeting will be hosted by PJ Bowers at their Burleigh heads facility.

▶ AIDN-QLD NEW MEMBERS



Trelleborg Engineered Products Australia

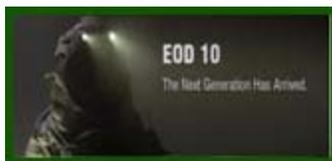
Over the past 100 years, Trelleborg's engineered products operation has built a robust and unrivalled track record by applying everyday ingenuity to everything we do. As a global leader in polymer solutions and products that are tested to highest levels and perform in the most demanding environments, you can be sure that the exact specification of your project will be met and exceeded.

Trelleborg Engineered Products Australia
 515 Zillmere Road,
 Zillmere, Queensland
 Australia 4034
 Tel: +61 7 3866 7444
<http://www.trelleborg.com/en/engineered-products>

▶ AIDN-QLD MEMBERS' NEWS

ANNIVERSARY

On 21 March Thales Protected Vehicle Division celebrated the tenth year of operations at Eagle Farm with a lunch gathering and presentations by senior Army personnel and Thales. Guests included ADF personnel, SME suppliers, State Government and Thales staff.



EPE SET TO UNVEIL THE HIGHLY ANTICIPATED MED-ENG EOD® 10 BOMB SUIT TO AUSTRALIA.

Med-Eng®, a brand of The Safari Land Group, has internationally launched the EOD 10 Bomb Disposal Suit & Helmet ensemble. It is heading to Australia to be unveiled at the EPE Roadshow 2016:

MELBOURNE 18th APRIL, CANBERRA 21st APRIL & SYDNEY 28th APRIL

The system offers much enhanced functionality and is the result of an aggressive development program that challenged conventional thinking on bomb suit design to achieve significant enhancements in weight reduction, physical mobility and application of new technologies, while increasing protection levels.

This new generation ensemble takes a user-centric approach to bomb suit design with outstanding results. The suit feels noticeably lighter; the helmet has been completely redesigned; and, the system's ergonomics have been carefully tailored to redistribute weight loading and maximize range of motion. A patent pending system for enhanced load distribution, impact protection and ventilation has been integrated into the ensemble. An extensive Human Factors Engineering program confirmed that these advancements reduce physical strain, allow longer missions with reduced fatigue and enable users to more easily conduct challenging tasks, such as vehicle or building searches, and overcome obstacles.

See it. Wear it. At the EPE Roadshow. A Technical Expert from Med-Eng will be available for discussions and you will have the opportunity to try it on. Register your Attendance by emailing Leeanne@epequip.com.

AURECON LAUNCHES 'JUST IMAGINE' - A FUTURE FOCUSED BLOG

Imagine a world where the physical and digital interact seamlessly; where creativity is the new corporate currency; and where business minds take lessons from children when it comes to innovation. Aurecon's new blog, Just Imagine, provides a glimpse into the future for curious readers.

"If businesses are to thrive in a future that is as yet unwritten, creativity must shape how they operate, and design and innovation are the tools that offer the solution," says John McGuire, Aurecon's Chief Innovation Officer.

For Aurecon, this means finding new ways to transform our clients' businesses and help them become more competitive through innovation.

"Innovation is grounded on deep technical expertise, but it's not enough to invest in being 'smart'. We need to foster creativity, challenge the 'status quo', explore and experiment to envision what's possible," believes McGuire.

In line with this, the company's new blog, Just Imagine, explores ideas that are probable, possible and for the imagination. Forward thinking, imaginative and innovative, the content is everything but the ordinary. It seeks to push the boundaries and imagine what might be possible if we challenge the status quo, asking "What if...?" and "Why not...?" across a broad spectrum of leadership and business theories and ideologies, technological innovations and processes.

“Aurecon’s followers on Facebook, Twitter and LinkedIn are now well into the tens of thousands; and we’ve found these digital platforms a powerful way to share and connect with our staff, clients and stakeholders. The Just Imagine blog is a similarly powerful vehicle to engage with our audience around big picture thinking and ideas that will shape our collective future,” says Danielle Bond, Aurecon’s Head of Marketing and Communications.

DTC ANNUAL DEFENCE INDUSTRY DINNER AND AWARDS CEREMONY

The DTC Defence Industry Dinner and Awards Ceremony is a key event for defence industry, attracting attendees from Defence Primes, SMEs, CASG, Department of Defence and state and Federal Government. The event showcases the DTC Member Award winners and provides an invaluable opportunity for networking.

Special Guest Speaker: Peter FitzSimons AM

Friday 13th May 2016

6.45pm - 11.00pm

Adelaide Entertainment Centre, Hindmarsh

Go to www.dtc.org.au/Events/DTC-Events for further details and to register.



▶ AIDN-TASMANIA

GETTING OUR FAIR SHARE OF DEFENCE SPENDING

The Hodgman Liberal Government is committed to creating jobs and growing the economy, that’s why they are determined to make sure that Tasmania gets its fair share of federal defence spending.

Recently, the Government has released their Our Fair Share of Defence Strategy. To view the Strategy [click here](#)

Their Strategy follows the recent release of the Australian Government’s White Paper, which signals a significant increase in defence spending.

Tasmania already has a presence in the defence sector supply chain with around 30 Tasmanian companies currently active in defence contracting national and internationally.

But even with this significant presence, it represents just 0.03 of the current national defence spend and we must do better.

This Strategy has been developed to support and assist businesses that have an interest in, or the capability to, take the challenging steps to become ‘defence ready’.

The strategy identifies four key areas of focus to increase our share of defence spending:

- Support the development of the specialist skills and training required for defence
- Promote the defence contracting capability and capacity of Tasmanian businesses
- Attract defence focused investment and enterprises to Tasmania
- Leverage off Tasmania’s status as the Southern Ocean and Antarctic Gateway

The Strategy will target their fair share of defence spending by attracting, enabling and building defence industries in the State and promoting Tasmania as both a military supplier and a port for our Southern Ocean responsibilities.

The Strategy is designed to help businesses through gaining the necessary accreditation, certification, defence-specific skills sets and management knowledge to participate in the defence sector and to build the necessary networks with the Department of Defence and with other bidders so they are considered as part of global supply chain bids in major defence tenders.

The Hodgman Government's efforts to attract defence sector industries to our state is already producing results.

Last week, the Government announced that it had finalised an agreement with the Western Australian-based advanced manufacturer, One Atmosphere, to relocate to Tasmania.

The Strategy will help the Government drive advanced manufacturing forward in this State, creating jobs and economic growth.

A substantive funding package in support of the Strategy will be announced as part of the upcoming budget.



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



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:



AB Phillips Pty Ltd

AB Phillips delivers financial services, insurance and risk solutions to businesses and private clients nation-wide. For 40 years, AB Phillips has helped businesses save time and money through providing comprehensive financial services, insurance and risk products and services.

Backed by AUB Group Ltd (ASX: AUB), which ranks among the top insurance broking and risk services groups in ANZ, the group manages over \$2.5b in GWP (gross written premiums) and more than \$700m in FUA (funds under advice). AB Phillips' range of products and services provide clients with one point of contact for all their financial services, insurance and risk needs and they have in-house experts in each of the following areas:

General Insurance - providing solutions for all aspects of General/Business Insurance Workers Compensation - helping businesses review and reduce the cost of Workers Compensation and improve Workplace Safety. Financial Services - financial planning, mortgages and finance, estate planning, accounting & taxation, superannuation (including SMSF), personal insurance. Human Resources - expertise and infrastructure to offer clients a range of HR services and support. Fleet Management - assisting businesses streamline and control the impact of running a fleet. In order to protect their interests and minimise exposure, AB Phillips work with other Defence clients in all areas of insurance, in particular, Public Products Liability and Professional Indemnity.

AB Phillips have an in-house claims management team who efficiently liaise with insurance companies and directly with you.

Please contact:

Alan Limpyer

Development Manager

Phone: 03 8586 9368

alanl@abphillips.com.au



Quartermaster Australia

Quartermaster Australia specialises in providing meal packs and electrolyte solutions for outdoor use. Current customers include various Emergency Services from around Australia.

We provide a unique service using the best products we can source. We also have our own range of quality food products manufactured exclusively for Quartermaster Australia. Key to our food packs are their simplicity to heat (if required) and great flavours.

We also custom make packs to suit customer's needs and are happy to discuss this and to give advice. Quartermaster Australia is 100% Australian owned family company.

Please contact:

Mark Costello

CEO

Mobile: 0405 180 604

mark@quartermaster.com.au



Molec Electrical Contractors Pty Ltd

MOLEC Electrical Contractors Pty Ltd is an Electrical Contracting Company which is registered to perform electrical works in Victoria, Queensland, New South Wales and the ACT and have been servicing the industry for over 24 years.

Our Philosophy:

Our philosophy at MOLEC is to place Reliability, Creativity and Honesty at the core of every activity which are principals we encourage all of our team to dedicate themselves to.

Our Aspirations:

We aspire not only to deliver to our customers expectations but to exceed those expectations and needs at every opportunity, especially where multiple outcomes are achievable while only one or a limited number where originally intended.

Our Commitments:

- Maintain a safe and productive workplace
- Always consider what is possible
- Be broad minded in our thinking and deliver
- Consult and be inclusive
- Bring together a wide range of disciplines as needed to create a dynamic team
- Maximise potential through progressive training
- Always be sincere and proactive in our approach

What we do:

Being industrial and commercial Electrical Contractors, our company performs electrical & communication services for both Government & Industry. We are particularly proficient in Hazardous Area Installations, Backup/Emergency Power Generation, Uninterruptible Power Supply, Training Simulators & Automated Systems.

Our apt-professionals are well trained to tackle any kind of electrical apparatus and hazardous are to get form of requirement completed with a focus on the outcomes that our clients wish to achieve.

Please contact:

Tom Kelly

CEO

Phone: 03 9315 1200

tomkelly@molec.com.au



VICTORIA BRINGS IN BIG GUN TO BOOST DEFENCE INDUSTRY

Former Federal Minister Greg Combet will champion Victoria's world class defence capabilities in a new role as the state's Defence Industry Advocate.

Mr Combet brings a wealth of experience and knowledge of defence industries to the role, having served as a former Federal Minister for Defence Personnel, Materiel and Science.

Victoria's defence sector contributes up to \$8 billion to the state's economy annually. It includes more than 300 businesses and directly employs around 7,000 people who make equipment and provide services for defence activities.

The Andrews Labor Government has identified defence technologies as a key growth sector to drive Victoria's economy and create new jobs. Appointing a Defence industry Advocate is an important step to help achieve that growth.

As the Defence Industry Advocate, Mr Combet will:

- represent Victoria on defence industry matters and be an identifiable champion of the industry
- advocate for Victoria's defence industry to key stakeholders nationally and internationally
- identify opportunities for Victorian Government support and assistance to businesses and organisations to secure significant economic value for Victoria
- provide strategic advice on defence industry related issues, particularly on actions to grow and sustain Victoria's defence industry in the short, medium and long terms
- engage as required with the media in the promotion of Victoria's defence industry

Mr Combet will finish work with the South Australian Government before commencing the role in April 2016 for an initial 12 month period.

Quotes attributable to Minister for Industry Lily D'Ambrosio

"As Defence Industry Advocate, Greg Combet will be working to secure opportunities for Victorian defence businesses and promoting the state's defence manufacturing capability both in Australia and around the world."

"We are the largest defence manufacturing state in Australia with 7,000 Victorians making equipment and providing defence services. Appointing a Defence Industry Advocate will help grow the sector even further and create new jobs."

Quotes attributable to Victorian Defence Industry Advocate Greg Combet

"I welcome the opportunity to represent Victoria in this role. I will work hard with all stakeholders to secure defence industry jobs and investment for the State."

"The recent Defence White Paper released by the Commonwealth Government presents opportunities for Victoria, particularly in defence technology. Securing a fair share of this work in the future submarine and naval frigate projects will be an important priority."

Trusted. Independent. Expert Engineering.

From concept to disposal, we offer impartial advice to help you manage complex platforms and system issues with confidence.

Maritime Engineering | Risk & Safety Management | Training Courses | Vessel Surveying | Asset Management | Business Case Services



PHM TECHNOLOGY RECEIVES STRATEGIC INVESTMENT FROM THE VENTURE CAPITAL UNIT OF SIEMENS

Australian software developer PHM Technology (PHMT) today announced a strategic investment from the Venture Capital Unit of Siemens (SVC) in Germany.

PHMT develops the Maintenance Aware Design environment (MADe), a model based simulation toolset that integrates reliability, availability, maintainability and safety (RAMS) and diagnostics analyses for Systems Driven Product Development. MADe is used to identify and mitigate the technical, operational and financial risk in complex systems at each stage of the product lifecycle (concept, design, operations).

“PHM Technology are outstanding in capability and experience and MADe represents the next generation of RAMS analysis”, says Dr. Ralf Schnell, CEO of SVC. “Our capital investment strengthens the collaboration with Siemens and drives industry leadership improving risk management during engineering and design processes.”

“This investment is a vote of confidence in our technology by one of the largest engineering companies in the world” said Chris Stecki, CEO of PHMT, “It provides the Company with the funds to extend our global commercialisation activities, and continue the development of MADe as a comprehensive engineering decision support tool for RAMS and diagnostics.”



Ed.35 2016/17 BOOK CLOSING SOON

Our colleagues at the Australian + New Zealand Defence Directory inform us that their annual 2016/17 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.

AOLP EVOLVES TO A WORLD-FIRST IN TUBULAR SPACE FRAME ASSEMBLY

DMTC's Automated Off-Line Programming (AOLP) capability has made significant leaps in capability and flexibility since being developed for assembly of complex seam welded structures.

AOLP has been successfully deployed in defence industries across Australia. It allows a robotic assembly cell to self-program directly from the digitised assembly drawings, and in operation can account for deviations in the jugged physical components from the 'perfect' assembly model.

The capability was initially developed for doing long seam welds, such as those found in the assembly of steel hulled armoured vehicles and ships – and has been adopted by those industries.

In its most recent guise, the technology has been adapted for the assembly of tubular space frames such as those found on a bicycle, dune buggy or, more importantly, a lightweight protected military vehicle.

In comparison to a linear seam weld, tubular space frames are a complex automation problem because they consist of a series of pipes and tubes that need to be precisely joined to each other in a 3-D spider web. At each tube junction the angles of the pipes need to be determined. Orientation is then derived and an access route for the robotic welder must be calculated. To make it even more complex, the weld must completely circumscribe the join with a minimum number of weld segments to avoid weld strike defects – a difficult task for a human, let alone a large robot.

Under the leadership of Zengxi (Stephen) Pan and Nathan Larkin of the University of Wollongong (UoW) (the pair who developed DMTC's original AOLP software), the capability to simulate and calculate weld paths and robotics has recently taken a major leap forward.

Through application of advanced programming and mathematics the team has developed PC-based AOLP algorithms that can take a digital solid model consisting of more than 300 tube intersections, identify the welds and calculate weld paths, torch angles and access routes in less than 80 seconds.

This is an advance in computing and simulation speed of more than 400 times and also automates much of the downstream processing associated with earlier versions of AOLP.

"Not only would this be the only AOLP capability for tubular space frames in the world, it is doubtful there are many manually programmed automated space frame welding cells," explains Larkin.

The ability to send anything, in any quantity (within the dimensions of the welding cell) down a single production line is a uniquely Australian capability and one that offers significant opportunities for manufacturers.

ULTRA-HIGH HARDNESS STEEL TRUMPS CERAMICS FOR NEW BODY ARMOUR



A low profile hard armour plate made from ultra-high hardness steel

After almost two years' work under DMTC's Personnel Survivability program, researchers have successfully produced steel armour plates that are thinner than the ceramic plates currently used in body armour systems, but just as hard and contoured.

With a density almost one third that of steel, and with hardness values close to that of pure diamond, ceramics have become the material of choice for high-end body armour systems.

While extremely light, ceramic-based hard armour plates (HAP) are still quite thick and bulky in order to defeat the high velocity threats faced by personnel in theatre. While this is considered acceptable for the given weight in most operational contexts, certain operations would benefit from a thinner HAP.

Substituting the thick ceramic strike face with a much thinner ultra-high hardness steel (UHHS) strike face would solve this issue. The UHHS would need to behave like a ceramic under a ballistic impact for the HAP to offer the necessary ballistic protection. The challenge is therefore to develop a UHHS that does exactly that – match the behaviour of a ceramic, at half the thickness.

A DMTC project team involving UoW, RMIT University, and the Defence Science and Technology (DST) Group has taken up this challenge and is developing a UHHS to function within a low profile body armour system.

So far, the team has developed the processes to roll UHHS down to as little as 2.5mm thick, form the plate to a bend radius of up to 95mm which is suitable for conforming to the human torso, and achieved a hardness level where it behaved like a ceramic under ballistic impact.

UHHS-based, low profile HAP concepts as thin as 9mm surpassed the ballistic test criteria, and projectile cores were deformed/eroded to equivalent ceramic target values.

STRICT REGULATIONS FRAME AIRCRAFT SUSTAINMENT PROJECT

DMTC's Air Program participants have begun work on a project that will improve Australia's aircraft sustainment capability, underpinned by stringent defence industry regulations.

Industry partner RUAG Australia, DST Group and researchers from RMIT and Swinburne University of Technology (SUT) have joined forces on the project, which focuses on laser cladding technology.

Metallic aircraft and engine components as well as aircraft structures experience damage in operation due to a range of events including impact, wear/erosion, corrosion and cracking.

This may result in the need to remove components for repair or replacement or even necessitate substantial structural repair, all of which impacts the cost of ownership and military readiness of the Australian Defence Force.

RUAG Australia has identified key aircraft components for both structural and geometrical repair, while geometrical repair work on the nose landing gear is being carried out at DST Group, along with the mechanical properties characterisation.

At RMIT, researchers are investigating how to best optimise process parameters for the application of laser cladding for aircraft components made of high-strength steel materials. Similarly, SUT is experimenting with laser cladding of stainless steel on mild steel substrate.

Results indicate that there is significant variation in mechanical strength at the interface of the cladded structure. Further investigation is underway to obtain a feasible and cost effective solution to restore both structural and geometrical repairs.

NAVANTIA AUSTRALIA REINFORCES COMMITMENT TO DEFENCE PROGRAMMES WITH NEW HEADQUARTERS

On 18 February, Navantia Australia Pty Ltd celebrated the opening of its corporate office in the Australian capital, Canberra.

This strategic relocation signifies the next big phase in Navantia Australia's expansion by reinforcing its national presence, whilst maintaining its global network and solidifies its commitment to short-term prospects such as the AORs and long-term prospects such as the frigates and offshore patrol vessels.

This relocation represents a significant milestone for Navantia Australia, since after four years of its establishment, is now better positioned to deliver key outcomes.

The event had representation from the Ambassador of Spain, Manuel Cacho and the President of Navantia, Jose Manuel Revuelta, who emphasised the international presence of the company and the importance of Australia to Navantia.

"Within Navantia in general and more specifically in Australia, we have a clear commercial strategy; to deliver on our commitments as promised, now and into the future." Jose Manuel Revuelta said. Other attendees include industry representatives and members of the Department of Defence.

These headquarters allow Navantia Australia to capitalise on existing and future opportunities, including SEA 1654 of the AORs, SEA5000 of frigates and SEA1180 of patrol vessels as well as maintenance programmes, and foster strategic relationships through greater collaboration with key stakeholders.

With the opening of this office, Navantia Australia Pty Ltd now has presence in Adelaide, Sydney and Canberra.

OCEAN SECURES FLIGHTPRO CONTRACT FOR HATS

Boeing Defence Australia has contracted Ocean Software to supply its operations and training management system FlightPro to manage the Helicopter Aircrew Training System (HATS).

Ocean stated that Boeing will use FlightPro to deliver scheduling, electronic student records and assessment, and operational reporting, among other things.

The contract builds on the existing relationship between Boeing and Ocean that began in 2007 with the Army Aviation Training and Training Support (AATTS) program.

All undergraduate training for Australian Defence Force (ADF) aircrew will be managed using the FlightPro system, including the AIR 5428 Pilot Training System, Ocean stated.

▶ DEFENCE & SECURITY NEWS

CENTRE FOR DEFENCE INDUSTRY CAPABILITY LAUNCHED

The Prime Minister, the Hon Malcolm Turnbull MP, Minister for Defence, Senator the Hon Marise Payne, and Minister for Industry, Innovation and Science, the Hon Christopher Pyne MP, recently announced the new Centre for Defence Industry Capability (CDIC) will be headquartered in Adelaide.

The headquarters will both foster and drive innovation in the defence industry right across Australia and open up export opportunities.

A key initiative of the 2016 Defence White Paper, the CDIC will bring together the private sector, Defence and AusIndustry to transform the relationship between Defence and industry to help deliver the cutting-edge capability our armed forces require.

This is a 10-year, \$230 million investment that will create more jobs and drive growth in Adelaide and across the country.

The CDIC will work with small-to-medium enterprises across Australia to promote defence industry competitiveness and guide the priorities across defence industry.

The Centre will also offer a range of advisory services including mentoring, defence market access, export facilitation and global supply chain development.

The Turnbull Government recognises that Australia's defence industry's capacity for innovation will be vital to maintain a world-class Defence Force.

In addition to its Adelaide headquarters, the Centre will have a network of advisors in key locations across Australia to engage directly with industry.

South Australia is at the forefront of the Turnbull Government's plan to renew Australia's naval fleet, and create a world-class, sustainable naval shipbuilding industry. An innovative and competitive Australian defence industry is critical to support the delivery of major capability projects, including the Future Frigates and Future Submarines.

Innovation will drive greater growth and more jobs. This is essential to creating a 21st Century economy for Australia.

The CDIC, along with the Defence Innovation Hub and the Next Generation Technologies Fund announced in the Defence Industry Policy Statement will generate economic benefits, deliver jobs and encourage innovation across Australia.

The CDIC and the Innovation Hub will provide new ways for defence and industry to work together, and will ensure a closer alignment between industry's investment in future skills and Defence's capability needs.

Led by an advisory board comprising senior members of industry and Defence, the CDIC will commence operations in the second half of 2016 and receive \$230 million in funding over the next decade.

To find out more about the CDIC visit [Here](#)

NEW PARTNERSHIP TO ENHANCE OVER-THE-HORIZON RADAR TECHNOLOGY

Lockheed Martin is partnering with Australia's Defence Science Technology Group (DST Group) to enhance Over-the-Horizon Radar (OTHR) technology, which monitors aircraft and ships in the country's northern maritime approaches, and drive innovation on new two-dimensional OTHR networks.

"This partnership [helps] to build in-country skills and capacity to help, modify and deploy technology," Lockheed Martin Australia general manager Jack Mahoney said.

DST Group has been researching OTHR technology since the 1970s, culminating with the development of the Jindalee Operational Radar Network (JORN). Lockheed Martin Australia has extensive experience in OTHR as a key partner in the design, integration, construction and commissioning of the JORN and is partnered with the ADF in the design, integration and on-going maintenance and support for this national capability.

"Much of Australia's defence needs are unique to our location and geography," Mahoney said.

Lockheed Martin's collaboration on advanced two dimensional radar systems commenced in mid-2015 near Adelaide with a focus on system performance for export opportunities. The focus of these activities will be the detection of a particular class of targets that will be needed for future OTHR systems, especially in export markets. The first phase of this activity is expected to be complete by May 2016.

"Together our engineers will develop technologies to enhance system performance resulting in an advanced two-dimensional network," Dr Alex Zelinsky Chief Defence Scientist DST Group said.

ADM will be covering this topic in depth in our forthcoming March issue. [Courtesy of ADM](#)

MOD SMOOTHS THE WAY FOR COMPANIES TO DO BUSINESS WITH DEFENCE

The Ministry of Defence (MOD) has launched a new policy for Small and Medium Enterprises (SMEs), cutting red tape to make it easier for companies to work with Defence.

The changes will help the MOD drive towards its target of 25% of all procurement spending – both direct and indirect – going to SMEs by 2020.

The final set of published figures for the last parliament showed the MOD as achieving a total of 19.4%, or £3.8 billion, with SMEs in 2014-15. In order to achieve the spend target of 25% by 2019-20 this figure will need to increase to around £4.9 billion, and the refreshed SME policy is designed to help achieve this.

The revised policy has been developed in partnership with SMEs, trade associations and other government departments.

It will see:

- A new Supply Chain Champion and a supply-chain advocate network, to provide single points of contact for suppliers;
- A fresh assault on red tape with unnecessary bureaucracy amended or scrapped by the middle of 2016. We are exploring ways of simplifying our procurement processes, for example by investigating the use of purchase order templates for the simplest low value and low volume contracts.
- A new online tool for suppliers that highlights opportunities, explains our policy and advises how they can target funding streams.

A NEW CHIEF OF RNZAF

NZ Defence Minister has appointed Air Commodore Tony Davies to Chief of the Royal New Zealand Air Force. AIRCDRED Davies had been acting in the position since his predecessor Mike Yardley shifted to the Ministry of defence earlier this year. Since joining the RNZAF as Officer Cadet he has flown C-130s, Boeing 727s and Boeing 757s. More recently he has served in a number of senior roles including assistant chief of strategic commitments and engagements, and air component commander at Head quarters Joint Forces NZ.

▶ 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 next meeting of the LEWG will be held on Wednesday 6 April in Canberra at Old Parliament House, Canberra, ACT Agendas etc will be advised soon. The second meeting will be held in Adelaide in conjunction with Land Forces Conference.

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

PERSONNEL CHANGES

New Boeing Defence head faces Challenge.

The world's second largest defence contractor has announced the retirement of Chris Chadwick and his replacement by Leanne Caret.

Australia's air navigation services provider Airservices Australia has confirmed that acting chief executive officer Jason Harfield has now been appointed CEO.

Textron Systems has announced the appointment of Peter Smith as director of strategy for Australia, Asia and Oceania in its International Business Development department, which identifies new opportunities and maintains relationships with customers.

Thomas Global has appointed a new VP business development, Robert Pandis, who will focus on the military markets in North America.

▶ UPCOMING ACTIVITIES

CIVSEC 2016 – Civil Security and Civil Defence

Date: 31 May – 2 June

Location: Melbourne

Web: www.civsec.com.au

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

D+I CONFERENCE 2016

The 2016 Defence and Industry Conference will be held on Wednesday 15 June at the National Convention Centre Canberra.

Kim Gillis, Deputy Secretary Capability Acquisition and Sustainment Group (CASG), stated that the conference provides a platform for government-to-business and business-to-business interactions.

[Click Here](#)

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.

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:

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
kevjcar@tpg.com.au

AIDN-Vic
Phone: 03.9886 9278
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

ADVERTISING IN THE AIDN NEWSLETTER

Would you like to assist yourself and AIDN by advertising in the

DISCLAIMER

Views expressed in the AIDN Newsletter do not necessarily reflect the opinion of AIDN

newsletter? The newsletter is circulated to more than 800 defence related companies in Australia, as well as Overseas Associations and key CASG 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.

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

If you no longer wish to receive email communication from us please UNSUBSCRIBE

This email is a commercial advertisement or solicitation from the Australian Industry & Defence Network.
Sent via [InstantContact](#) - Email marketing that works!