

ADM

AUSTRALIAN DEFENCE MAGAZINE

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DEFENCE WEEK PREMIUM EDITION



Bell had previously teamed with Hawker Pacific on Land 2097 and has now teamed with Babcock.

NIGEL PITTAWAY

BABCOCK AND BELL TEAM FOR LAND 2097 SPECIAL FORCES HELICOPTERS

Babcock Australia and Bell have announced that they will be teaming for the Special Forces helicopter requirement under Land 2097 Phase 4 with the Bell 429 Global Ranger with COTS based solution. Babcock will be leading the customisation program to meet the capability.

KATHERINE ZIESING | CANBERRA

Babcock Australasia's Managing Director – Land, Graeme Nayler, said the Bell 429 Global Ranger was assessed to be the most suitable helicopter in response to the evolving needs of the ADF.

"The Bell 429 has a relatively new paramilitary design, with high levels of safety, role flexibility and performance that will meet the demands of Australian

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Special Forces,” he said. “Working together, Babcock and Bell draw on a global track record of successful helicopter operations to deliver a trusted solution.”

The initial tranche of 12 helicopters (with later extension of up to a total of 18 platforms over the life of the program) will see both acquisition and sustainment covered in the contract. The contract also makes provision for rolling upgrades including the fitting of a mounted gun or other weapon system among other capabilities.

“BABCOCK AND BELL ARE CLEAR THAT THE COMMONWEALTH REQUIREMENT MEANT THAT THE LARGER 429 WAS BETTER SUITED TO THE TASK THAN THE 407”

In speaking to ADM about the announcement both Nayler and Dan McQuestin, Regional Business Development Director of Bell were clear that the Commonwealth requirement meant that the larger 429 was better suited to the task than the 407.

“Once you look at the requirements by the customer for the payload that they wish to carry and their standard mission configuration, we’re getting up to the 429 in terms of weight endurance and pure capacity,” Nayler explained.

“The 407 and the 429 were initially both put forward and really displayed to the ADF in the early stages when it was an RFI and CAS-G project team and the ADF were exploring their options and setting their requirements,” McQuestin said.

Nayler explained that the 12-month process Babcock went through to choose an OEM partner was exhaustive.

“Simple things like crash worthiness, availability, and transportability; it has to be packed up into a C17 in a very rapid time,” Nayler said to ADM. “The manoeuvrability was also a larger factor. The Commonwealth were really crystal clear that it cannot be another Blackhawk. And it’s also its potential growth path. The 429 delivered. It’s probably the youngest of all the airframes from the various OEMs and it already incorporates a lot of the capability that we require.”

LOW RISK

The team are also confident that the platform is low risk given that the ADF has had the platform in service with the Navy for training and are familiar with the platform. Navy operated four 429s for training for almost a decade under a Raytheon led contract before the HATS program was introduced. The aircraft were retired last year and have been repurposed and are now flying with the Auckland Police force.

“The risk part of it is this isn’t a new capability, it’s not an extension, it’s a completely new capability for the ADF and therefore CASG,” McQuestin said. “The project team

MOST READ ONLINE AT WWW.AUSTRALIANDEFENCE.COM.AU



1. [Air Warfare Destroyer program ends](#)
2. [The Future Submarine program and the role of systems engineering](#)
3. [GHD appointed to design new Navy facilities in WA](#)
4. [L3 Harris teams with Ultra and Indianic for Sea 1350](#)
5. [US may have overcharged allies on transport costs](#)

have set quite high requirements of entry here because they understand that they need to stand up this new capability with a minimum of risk. What Bell brings is an absolute proven track record of meeting IOC to government, parapublic and military customers globally but, also, you can really take that example locally here with our own military of installing the RAN Bell 429s which were supported on an extremely tight timeframe and were delivered ahead of time and on budget, and then went on to fly over 10,000 hours supported by a commercial supply chain and to the point that those aircraft operated for nearly 10 years."

AIC

While neither Nayler or McQuestin were able to disclose the AIC element of their bid for competitive reasons, they assured ADM that the Australian SME supply chain would be robust and outlined 'at a later date'.

"Babcock's success as a Defence Prime is attributed to its ability to offer capability-focussed solutions that select the best products and services tailored to the specific needs of the customer," Nayler said. "Babcock operates helicopters from all of the major manufacturers and understands the relative advantages of each system and provider.

"Babcock's selection of Bell and the Global Ranger also offers closer ties to US Defence industry, and an opportunity to improve interoperability with US and other contemporary military capabilities."

All aircraft for Land 2097 will be new build. Bids for the program go in the box on July 10 this year with the preferred tenderer expected to go through contract negotiations in Q4 in 2021 through until mid 2022 and signing at the end of 2022.

"WHILE NEITHER NAYLER OR MCQUESTIN WERE ABLE TO DISCLOSE THE AIC ELEMENT OF THEIR BID FOR COMPETITIVE REASONS, THEY ASSURED ADM THAT THE AUSTRALIAN SME SUPPLY CHAIN WOULD BE ROBUST AND OUTLINED 'AT A LATER DATE'"

RNZAF BASE OHAKEA TO RECEIVE CRITICAL INFRASTRUCTURE UPGRADE

RNZAF Base Ohakea, often visited by RAAF aircraft, is to receive a \$NZ206 million (\$A192 million) upgrade of critical infrastructure in three phases over five years, with the first phase starting later this year.

JULIAN KERR | SYDNEY

NZ Defence Minister Ron Mark said on 22 May that critical compliance and safety issues would be addressed, as well as upgrades to fuelling and logistics facilities, taxiways and aprons, accommodation, and fresh, storm and waste water reticulation.

Ohakea is a principal staging point for NZ Defence Force operations, and the country's response to national, regional and global humanitarian disasters and emergencies, said Mark.



RAAF and RNZAF personnel load a RNZAF NH-90 Helicopter on to a RAAF C-17A Globemaster III en-route from RNZAF Base Ohakea to RAAF Base Richmond.

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It also is often used as the point of entry for the armed forces of strategic partners, he stated, adding that its ability to cope with surges of personnel and equipment was “vital”.

“OHAKEA IS A PRINCIPAL STAGING POINT FOR NZ DEFENCE FORCE OPERATIONS”

The base currently houses four fleets of aircraft – NH90 and A109 helicopters, KA350 King Air twin turboprop transport/trainers, and T-6C Texan II turboprop trainers.

Separate infrastructure work began at Ohakea last November in preparation for the four Poseidon P-8A maritime patrol aircraft that will replace the RNZAF’s six-strong fleet of P-3K2 Orions. The first P-8A for the RNZAF will arrive in 2023.

This work involves an operations centre, two hangars, accommodation for two P-8A simulators, warehousing, and maintenance facilities.

PEOPLE ON THE MOVE

Lorraine Hatton, Auntie Lorraine, has been appointed as the second Army Indigenous Elder in recognition of the proud history of service that Aboriginal and Torres Strait Islander peoples have given to the Army and Australia. Auntie Lorraine will build on the work of Uncle Roy Mundine who has provided Army with exemplary service as Army’s inaugural Indigenous Elder since 2015. Auntie Lorraine is a Ngughi/Noonuccal Elder, originally from Minjerribah, Queensland.

RAN SURFACE FLEET TREATED WITH ANTIMICROBIAL SHIELD

Australian anti-microbial treatment specialist Protection Brands has entered into a Standing Offer with Defence to provide sanitisation and surface treatment services to the RAN.

The company has recently completed its first application of antimicrobial shield treatment to surfaces on Australia's major surface ship fleet. The non-toxic, long lasting, hypoallergenic process is capable of eradicating close to 100 per cent of all known pathogens and viruses.

Protection Brands is an established service provider to the commercial aviation and automotive sectors in Australia.

"Whilst we offer a range of asset protection services, interest in our anti-microbial shield treatment has escalated dramatically during the COVID-19 pandemic," Protection Brands Group Managing Director Mark Pettitt said. "Prior to the outbreak of the COVID-19 pandemic we were primarily liaising with operators in the commercial aviation and motor vehicle sector.

"Airlines and transport companies are acutely aware of the risks associated with SARS, Bird Flu, Swine Flu and Ebola virus and the continuing prevalence of other serious diseases such as Norovirus and now Coronavirus," he said.

"With most airlines suspending operations, we have seized the opportunity to pivot and expand our specialist services into new channels in an effort to assist in containing the pandemic both here in Australia and overseas. We are tremendously proud to have been selected to work with the RAN in helping protect their personnel during the COVID-19 pandemic."

Andrew Forster, General Manager, Protection Brands and RAN Project Lead said the initial treatment had been successfully implemented in record time.



HMAS Adelaide and HMAS Sydney have both been treated with an antimicrobial shield.

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“WITHIN A FOUR-WEEK PERIOD, WE HAVE COMPLETED TREATMENTS OF MORE THAN 30 RAN NAVY VESSELS”

“Within a four-week period, we have completed treatments of more than 30 RAN Navy vessels located in all major Australian ports,” he said. “The vessels have included Amphibious Assault Ships HMAS *Adelaide* and HMAS *Canberra* and Guided Missile Destroyers HMAS *Brisbane*, HMAS *Hobart* and HMAS *Sydney*,” he said.

“The initial program was achieved with exceptional support from key defence personnel. Feedback from all involved including ship staff, defence personnel and industry partners has been extremely positive,” he added.

CANADA STICKS WITH PROTECTOR RWS

Kongsberg has signed a contract with General Dynamics Land Systems – Canada for delivery of the Protector Remote Weapon Stations (RWS) to the Canadian Army valued at A\$76 million.

The RWS will be integrated on Canada's fleet of Armoured Combat Support Vehicles. Canada signed their first Protector RWS contract in 2005 followed by additional contracts in 2012 and 2014.

“We are very pleased to be chosen again as the supplier of Remote Weapon Stations to the Canadian Army. This confirms the strong position of Kongsberg's Protector RWS and continues the close relationship between Kongsberg and the Canadian Army and General Dynamics Land Systems – Canada,” Pål E. Bratlie, Executive Vice President Kongsberg Defence & Aerospace AS, said.

“In the midst of the most uncertain and difficult economic times in our lifetime, we



The Canadian Army will receive the latest generation Protector.

KONGSBERG

“WE ARE VERY PLEASED TO WIN THIS ORDER IN SPITE OF THE COVID-19 PANDEMIC”

are very pleased to win this order in spite of the COVID-19 pandemic. Our business base is long-term and solid, with an order backlog that provides a strong foundation for continued operations into the future,” Eirik Lie, President Kongsberg Defence & Aerospace AS, said.

The Canadian Army will receive the latest generation Protector, an RWS prepared for wireless control, counter UAS capability, multi-sensor fusion, as well as other new functions required by the expanding user community. The systems for Canada will be produced in parallel with five other programs.

Australia was one of the first export countries to purchase the Protector in 2004.

AMC MANAGEMENT SECURES RAN DOCKING QUALIFICATION

AMC Management (AMCM) have been awarded facility qualification for the docking and undocking of Australian warships.

The company was assessed by the RAN’s Engineer Branch (NEB) as meeting the requirements of DEF (AUST) 5000 and are now qualified to undertake the docking and transfer at the Henderson Common User Facility of certain ADF vessels up to the following capacities:

- Floating Dock with the floating dock roadway in place: lifting capacity – 12,000 tonnes and transfer capacity – 3,500 tonnes.



HMAS Perth is readied for its move out of the floating dock onto the hard stand at the Australian Marine Complex Common User Facility at Henderson.

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- Self-Propelled Modular Transporters: maximum localised wheel load of 10 tonnes per wheel configured to lift specific class of vessel, and a maximum operating wind speed of 15 knots.
- Hardstanding: displacement of 3,300 tonnes, hardstand location – 150 tonnes per cradle beam at 2.1 metre spacing.

**“AMCM HAS A MAINTENANCE
MANAGEMENT SYSTEM
AND REGIME”**

To meet the qualification AMCM has a maintenance management system and regime, documented procedures for docking and undocking, a qualified and experienced Dockmaster and support staff for docking and transport, and requisite quality, environmental and safety procedures.

In 2018, AMCM was assessed by Department of Defence Maritime Integrated Risk Insurance Services (MIRIS) Group to determine the risks to Defence vessels posed by the facilities they use. The assessment reviewed and tested the overall management, safety, quality assurance and quality control of the systems and procedures.

AMCM achieved top marks for all criteria and was found in summary to equal world's best practice.

RAN REAFFIRMS COMMITMENT TO DEFENCE RECONCILIATION ACTION PLAN

The RAN has appointed a full-time Navy Indigenous Adviser and Navy Indigenous Champion from the senior leadership team, as part of Navy's commitment to the Defence Reconciliation Action Plan 2019-2022 (D-RAP).

Lieutenant Commander Samuel Sheppard is the newly appointed Navy Indigenous Adviser and will provide cultural advice to Navy's senior leadership team, Navy Diversity and Inclusion Council, and all commands afloat and ashore.

Commodore Mal Wise has taken up the role as the Navy Indigenous Champion to advocate for Indigenous participation within Defence, and to drive cultural awareness through Navy-specific and Whole-of-Defence initiatives.

Minister for Defence Linda Reynolds said the D-RAP plan, which was launched last August, articulates Defence's dedication and contribution to the whole-of-government's Closing the Gap strategy.

"This commitment goes well beyond attracting, recruiting and retaining Aboriginal and Torres Strait Islander people," Minister Reynolds said.

"While recruitment and retention is a major

**“THIS COMMITMENT GOES WELL
BEYOND ATTRACTING, RECRUITING
AND RETAINING ABORIGINAL AND
TORRES STRAIT ISLANDER PEOPLE”**



Lieutenant Commander Samuel Sheppard is appointed to the role of fulltime Navy Indigenous Advisor in a virtual ceremony hosted by the Chief of Navy

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objective of the plan, it also commits the ADF to reflecting a shared national identity that values and recognises Aboriginal and Torres Strait Islander cultures and histories in the work that Defence does.”

Lieutenant Commander Sheppard and Commodore Wise have been formally appointed to their new roles through a virtual, COVID-19 safe ceremony on the GovTeams platform.

Chief of Navy Vice Admiral Michael Noonan welcomed their appointment.

“In marking this occasion, I would like to acknowledge Navy’s Senior Indigenous Member, Commander Bert Slape, who has provided significant support and guidance to lead Navy’s Defence Reconciliation Action Plan commitment since 2017,” VADM Noonan said.

“As the Senior Indigenous Member in Navy, Commander Slape will continue to be active in this area by providing mentorship to Lieutenant Commander Sheppard over the coming months.”

WINNERS OF AUSTRALIAN AND NZ DEFENCE HACKATHON ANNOUNCED

**Four teams have been named winners of the Australian
and NZ #shockproof Defence forces hackathon.**

The virtual event brought together 500 innovators from across Australia and NZ. Guided by 70 mentors with 40 pitch presentations, the hackathon aimed to find ways to harden Australian and NZ defence logistics.

The IBM-sponsored prize winners were:

- 1st Prize: \$7,000 awarded to Gaia Pod, a supply chain and logistics optimisation focused solution using Artificial Intelligence and Machine Learning.
- 2nd Prize: \$2,000 awarded to FVEX, an enabling policies and supply chain and logistics optimisation focused solution.
- 3rd Prize: \$1,000 awarded to Team White Hat for its cyber resilience focused solution.
- 4th Prize: ANSTO's Nandin Innovation Centre three+ months membership awarded to Help from Heroes; a People, Culture and Wellness focused solution.

"Before this event, I had never heard of a hackathon or what the actual purpose is of competing," Gaia Pod team member Amy McIntosh said. "Now I know it is much more than just creating a novel idea out of the blue to solve an ongoing problem. It is being able to come together with a range of diverse people to innovate and create a concept that will ultimately help and support the future of the ANZDF."

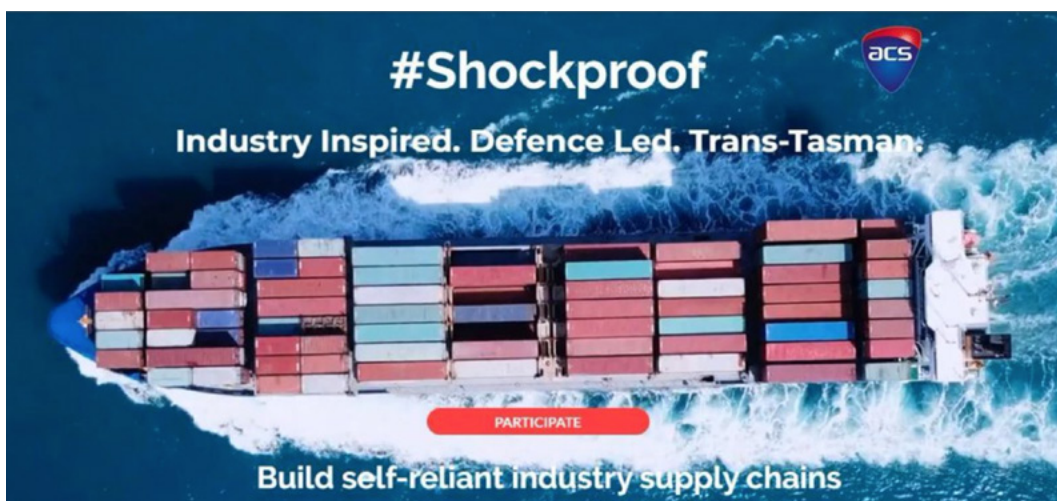
"As our team's focus was in disaster relief, we were able to encompass and apply our thinking to both Australia and NZ. It was a riveting and rewarding experience, especially considering the positive intensity of teamwork."

"I believe this hackathon provided a window of opportunity for specialists in business and the sciences to demonstrate our potential and how by reaching out across the Trans-Tasman, collaboration and support in our special part of the world is possible."

Help From Heroes' Vicky-Rae Renier-Clark was impressed by her first experience in being involved with a hackathon.

"This was my very first online hackathon and it was an absolute privilege and honour to have our ideas both heard and recognised by Australian and NZ Defence," she said. "Our small but mighty team consisted of two mums, one from each side of the ditch, who despite all the challenges with parenting and juggling tech issues persisted and most of all delivered."

"As a team, we've mentored and helped organise a few hackathons in the past but this one in particular was unique for a number of reasons: the breadth of capability and expertise in our mentors, lead mentors and participants, and how directly applicable some of the solutions I've seen come from the teams, and I've seen a lot of solutions



The virtual event brought together 500 innovators from across Australia and NZ.

NZDF VIA TWITTER

that will have an impact in future or will become an inspiration for others,” Steve Nouri, ACS Head of Data Science, commended.

“THE 48-HOUR EVENT HELPED TO IDENTIFY INNOVATIVE SOLUTIONS TO SUPPLY CHAIN ISSUES, WHICH UNDERPIN DEFENCE’S ABILITY TO MOBILISE QUICKLY”

“The hackathon leveraged the ingenuity of technological specialists across the two nations to explore options to enhance sovereign capability,” an Australian Defence spokesperson said. “The 48-hour event helped to identify innovative solutions to supply chain issues, which underpin Defence’s ability to mobilise quickly when responding to a crisis or threat.”

Defence plans to explore the best paths forward for all 40 competing teams and aims to further develop a number of ideas and solutions from the Hackathon, both internally and with relevant government agencies.

Note: ADM Managing Editor Katherine Ziesing acted as a judge for the Hackathon.

CONTACT DETAILS

MANAGING EDITOR

Katherine Ziesing
T: 0419 014 308
katherineziesing@yaffa.com.au

ONLINE EDITOR

Ewen Levick
T: 02 9213 8249
ewenlevick@yaffa.com.au

ASSOCIATE PUBLISHER

Kylie Leonard
T: 07 3087 5101
kylieleonard@yaffa.com.au

DESIGNER

Lauren Esdaile

SUBSCRIPTIONS

Martin Phillpott
Toll Free 1800 807 760
martinphillpott@yaffa.com.au

CONTRIBUTORS

Julian Kerr
T: 0418 635 823
jhrhkerr@bigpond.net.au

Nigel Pittaway
M: 0418596131
cnpittaway@bigpond.com

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Yaffa Media Pty Ltd
17-21 Bellevue St,
Surry Hills NSW 2010
T: 02 9281 2333
greatmagazines.com.au

ADM CANBERRA OFFICE
PO Box 4783, Kingston ACT 2604
T: 02 6203 9535

ADM BRISBANE OFFICE

PO Box 9165,
Wynnum Plaza Qld 4178
T: 07 3348 6966
australiandefence.com.au

SUBSCRIPTIONS GREATMAGAZINES.COM.AU CALL 1800 807 760 EMAIL SUBSCRIPTIONS@YAFFA.COM.AU

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FORTHCOMING EVENTS

ADM EVENTS

More detail on ADM Events can be found on our [dedicated website](#).

- [ADM Defence Estate and Base Services Summit](#) – 22 September 2020 | Canberra
- [ADM Women in Defence Awards](#) – 23 October 2020 | National Arboretum
- [Defence in the North](#) – 28 October 2020 | Darwin Convention Centre
- [ADM Space Summit](#) – 3 December 2020, Hyatt Hotel | Canberra
- [ADM Congress](#) – 3 February 2021, Hyatt Hotel | Canberra

ONLINE COMPLEX PROJECT SIMULATION

DATE 18 June 2020
LOCATION Online
WEBSITE iccpm.com/events/major-project-simulation

ICCPM was established by the Australian Government with support from the Australian, UK and Canadian Departments of Defence to build organisational capability in the successful delivery of complex projects. It is now offering an exciting opportunity for project leaders, organised in competing teams, to manage and “live” a complex project in the safety of a virtual simulated environment. It enables participants to work on a project from start to finish; to make critical decisions and to see the impact of those decisions – all in a virtual team.

PROJECT AND PROGRAM MANAGEMENT SYMPOSIUM 2020

DATE 25-26 August 2020
LOCATION Canberra Rex Hotel
WEBSITE www.pgcsymposium.org.au

PGCS 2020 is designed to help project and program managers, and their sponsors and senior managers, develop the skills and understanding needed to deliver projects success in the next decade. Now in its 8th year, PGCS 2020 will focus on ways to build the foundations needed to create project and program success.

2020 INTERNATIONAL ROUNDTABLE WORKSHOP – BRISBANE

DATE 27 August 2020
LOCATION QUT Brisbane, Gardens Point Campus, Brisbane City
WEBSITE <https://iccpm.com/events/2020-rts-brisbane/>

The International Centre for Complex Project Management (ICCPM) invites project leaders to participate in the 2020 International Roundtable Series. Workshops will be held in key Australian locations and internationally.

AUSCERT 2020

DATE: 15-18 September
LOCATION: The Star, Gold Coast
WEBSITE: www.auscert.org.au/giveaway..

The AusCERT Conference is the oldest information security conference in Australia. Each year, we attract in the vicinity of 800 participants and approximately 50 sponsors. AusCERT is hosting more than 50 speakers at AusCERT2020, as well as an array of tutorials, workshops, networking events & much more.

2020 VERNON PARKER ORATION AND DINNER

DATE 13 October 2020
LOCATION Hotel Realm, Canberra
WEBSITE navalinstitute.com.au/2020-vernon-parker-oration-and-dinner

Sir Peter Cosgrove has kindly agreed to deliver the 2020 Vernon Parker Oration on 17 June. Sir Peter was Governor-General from 2014-2019 and former Chief of the Defence Force. In January 2020 Sir Peter accepted the voluntary role as chairman of the Business Council of Australia's Community Rebuilding Initiative in response to the 2019/20 bushfires.

2020 ANI GOLDRICK SEMINAR – REMOTE AND AUTONOMOUS SYSTEMS AT SEA

DATE 13 and 14 October 2020
LOCATION Adams Auditorium, Australian Defence Force Academy
WEBSITE navalinstitute.com.au/latest-ani-events-and-archive/

The 2020 ANI Goldrick Seminar will discuss a wide range of issues around Remote and Autonomous Systems at Sea. It will comprise six sessions over 1.5 days covering an overview of Remote and Autonomous Systems at Sea (RAS); RAS in the Littoral Domain; RAS in the Maritime Air Domain; RAS in the Undersea Domain; Measuring Effective, and Legal and Ethical Considerations.

ROTORTECH 2020

DATE 14-16 October 2020
LOCATION Royal International Convention Centre, Brisbane
WEBSITE www.rotortech.com.au

RotorTech 2020 is the region's premier helicopter and unmanned flight systems showcase and forum, bringing together operators, manufacturers, suppliers, regulators and government across the Indo-Asia-Pacific. With a comprehensive three-day free industry conference program, RotorTech 2020 will also feature manufacturers technical workshops and an industry exhibition showcasing more than 100 helicopter and unmanned flight related companies.

MILCIS 2020

DATE 10 – 12 November 2020
LOCATION National Convention Centre, Canberra
WEBSITE <https://www.milcis.com.au>

In November each year, the Defence Chief Information Officer Group (CIOG) partners with the UNSW Canberra and the Institute of Electronic and Electrical Engineers (IEEE) to present MilCIS. The annual Military Communications and Information Systems (MilCIS) Conference welcomes military and government organisations, academia, and defence industries to contribute to the future direction of military communications and information systems.

10TH BIENNIAL SIA CONFERENCE 2020

DATE: 17-18 November 2020
LOCATION Hotel Realm, Canberra
WEBSITE <https://www.submarineinstitute.com/sia-conferences>

The 10th Biennial SIA Conference will be held 17-18 November 2020 at the Hotel Realm, Canberra. This year's theme is 'Submarine Build and Sustainment Programs: The Strategic Nature of Reliable, Sovereign Supply Chains'. The Call for Presentations is available on the website.

AIRBUS DEFENCE AND SPACE INDUSTRY ENGAGEMENT ROADSHOW

DATE postponed until further notice
LOCATION Various
WEBSITE www.airbus.com/space.html

The purpose of the briefings is to engage Australian industry and identify potential roles in the pursuit, delivery and support of projects of interest to Airbus Defence and Space such as but not limited to satellite and terrestrial communication networks, processing of imagery and data and surveillance sensors. Airbus are particularly interested in companies with the following capabilities, but not exclusive to: Advanced manufacturing; Electronics/Electrical engineering; Antenna design and manufacturing; Mobile Terminals; Electrical harness; Software development; Payload development; Infrastructure.

CYBER DEFENCE NEXT GENERATION TECHNOLOGY & SCIENCE CONFERENCE

DATE: postponed until further notice
LOCATION: Brisbane
WEBSITE: wp.csiro.au/cdng

The Cyber Defence Next Generation Technology and Science Conference, is a first of its kind scientific and technology focused Cyber Defence Conference. The aim is to have the community of cyber-security under the “Next Generation Defence Technologies | Cyber Research” program in collaboration with DST-Data61 and partner universities meet together, expose relevant research activities and discuss future collaborations.

CERTIFICATE IV IN RESPONDING TO ORGANISATIONAL COMPLEXITY | CANBERRA

DATE postponed until further notice
LOCATION to be confirmed
WEBSITE iccpm.com/events/certificate-iv-canberra-2020

Developed and offered exclusively by ICCPM (RTO number 41394), the Certificate IV in Responding to Organisational Complexity helps project leaders develop the skills and attributes they need to respond to complexity, as defined in the Complex Project Manager Competency Standards. This is a highly interactive course which introduces project leaders to useful tools and methodologies with a strong focus on the practical application of concepts to real-world situations.

WILLIAMS FOUNDATION SEMINAR: NEXT-GEN AUTONOMOUS SYSTEMS

DATE postponed until further notice
LOCATION: National Gallery of Australia
WEBSITE www.williamsfoundation.org.au

Building upon the existing foundations of ADF capability, the aim of the March seminar is to explore the force multiplying capability and increasingly complex requirements associated with unmanned systems. From its origins at the platform level, the opportunities and potential of increased autonomy across the enterprise are now expected to fundamentally transform Joint and Coalition operations.

ASIA-PACIFIC SECURITY INNOVATION SUMMIT

DATE postponed until next year
LOCATION Queenstown, NZ
WEBSITE www.apsisummit.com/page/apsi-summit-2020

The theme of this year's APSI summit, to be held in Queenstown on the South Island, is Strengthening Security Resiliency Through Partnerships and Alliances.

2021**43RD COSPAR SCIENTIFIC ASSEMBLY**

DATE 28 Jan-4 Feb 2021
LOCATION International Convention Centre Sydney
WEBSITE www.cospar2020.org

The Australian space research community enthusiastically extends the invitation to you, to meet with us for COSPAR 2020, and in so doing to forge the friendships and opportunities that will connect space research for global impact. The 2020 Assembly will combine the latest in space research findings with activities designed to enrich the global space research community – including helping equip our future leaders, and workshoping with space industry – and inspire the next generation of scientists and engineers.

LOCATE21

DATE 30 March – 1 April 2021 (rescheduled dates)
LOCATION Brisbane Convention and Exhibition Centre
WEBSITE <https://www.locateconference.com/2021/>

Due to COVID-19, Locate20 has been rescheduled for Locate21 happening in Brisbane March 30 – 1 April 2021. The event will focus on how geospatial technologies are intersecting with business, Government and defence to address national challenges. It's Australia's premier spatial conference with the inclusion of over 50 inspiring thought-leaders including speakers from government, academia, the defence force, technology, mining, natural resources and more. We believe this conference is of interest to defence personnel.

LAND FORCES 2021

DATE June 1-3 2021
LOCATION Brisbane Convention Centre
WEBSITE www.landforces.com.au

The biennial LAND FORCES exposition is an international industry event to showcase equipment, technology and services for the armies of Australia and the Indo-Asia-Pacific. The Land Forces 2020 team is now setting about ensuring the event will achieve its goals of providing an effective platform for the exchange of ideas on key land forces issues and of taking Australian industry to the world.

PROJECT AND PROGRAM MANAGEMENT SYMPOSIUM

DATE 10 – 12 August 2021 (rescheduled dates)
LOCATION Canberra Rex Hotel
WEBSITE <https://www.pgcsymposium.org.au>

Foresight is more valuable than hindsight! PGCS 2020 is designed to help project and program managers, and their sponsors and senior managers, develop the skills and understanding needed to deliver projects success in the next decade. Creating the organisational capability needed to underpin the consistent delivery of successful projects in the 2020's starts at the top. Now in its 8th year, PGCS 2020 will focus on ways to build the foundations needed to create project and program success

AVALON 2021**DATE** 23-28 November 2021**LOCATION** Avalon Airport

The Australian International Airshow and Aerospace & Defence Exposition is one of Asia-Pacific's most prestigious aviation and aerospace events and the most comprehensive aviation, aerospace and defence exposition in the southern hemisphere. Avalon hosts multiple concurrent conferences and expo streams, across the spectrum of Defence, Airlines, Business and General Aviation, Sport and Recreational Aviation, Airports, MRO, Space, Unmanned Systems, Air Safety and Ground Equipment.

2022**PACIFIC 2020 BECOMES INDO PACIFIC 2022****DATE** May 2022**LOCATION** Sydney Convention Centre**WEBSITE** www.pacificexpo.com.au

Reflecting the increasing importance of the Indo Pacific region to the entire world, the PACIFIC International Maritime Exposition will become the INDO PACIFIC International Maritime Exposition from 2022. Initially, there will be a new timing. Instead of the previously planned PACIFIC dates in August 2021, INDO PACIFIC will now, in the wake of COVID 19, initially be held during May 2022.

VARIOUS DATES**NSW DEFENCE INNOVATION NETWORK'S REGIONAL ROAD SHOW****DATE:** Various**LOCATION:** Various**WEBSITE:** defenceinnovationnetwork.com/din-regional-road-show-2019-20

NSW Defence Innovation Network and AIDN will be undertaking a series of small business focused regional forums across NSW. Register to attend and hear about the programs, grants, opportunities and services the NSW Defence Innovation Network (DIN) provides to the small business community across NSW. We encourage small businesses to engage with us and participate in opportunities across our networks, including DIN's seven partner universities, as well as with other state and federal agencies.

DEFENCE READINESS SEMINAR SERIES

DATE postponed until further notice
LOCATION Various
WEBSITE bit.ly/37fipjH

The Defence Readiness Seminar Series kicked off in November last year. If you are considering entering the Defence market, or have staff you consider require orientation to the Defence market, you are strongly encouraged to consider this invaluable series, shaped and developed by people in the Hunter that have worked closely in the Defence Industry over many years. Please see the website for more information on how to get involved.

2020 ICCPM INTERNATIONAL ROUNDTABLE SERIES

DATE Various (August)
LOCATION Various
WEBSITE iccpm.com/2020-rs

One of the characteristics of complex projects is that they emerge over time. This creates uncertainty for project leaders. To support project success, project leaders need to understand how to manage risk in uncertainty and identify new opportunities. The International Roundtable Series is a Thought Leadership initiative that brings together senior project leaders and leading academics from different industries to share their experience and international perspectives. The outcomes report will share these insights to improve project success.

ICCPM ONLINE WORKSHOPS

DATE Various
LOCATION Online
WEBSITE www.iccpm.com/online-workshop-webinars

Designed to support project teams who are experiencing new challenges due to COVID-19 concerns – Learn how to mitigate new risk levels, effectively deploy virtual teams, manage messy problems and more. ICCPM Online Workshops and Webinars provide you with an easily accessible and engaging option to continue your training from anywhere in the world. These options provide you and your team with a conducive learning environment to support your complex project success.