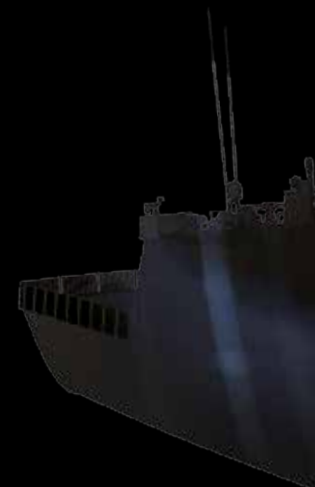




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# **SAAB AUSTRALIA**

DEFENCE AND SECURITY



**SAAB**

# 30 YEARS

INVESTING IN AUSTRALIA'S FUTURE

## PHOTOGRAPHY

**Ben Grant** pages 07, 11, 12, 14, 15, 16, 19, 20, 25, 26, 33, 38, 39, 40, 41, 45, 46, 48 and 49 | **Graham Jones** pages 03 and 42 | **John Neiddu** pages 40, 43 and 44  
**Mat Jones** page 28 | **Marc Bryant** page 30 | **123RF** pages 10 and 21 | **Commonwealth of Australia** as noted

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“Innovation, investment, growth and jobs. We see it today, here at Saab, elements of our national economic plan at work. Innovation and science, cutting-edge technology, Australian technology, being developed here in Australia.”

The Hon  
Malcolm Turnbull MP,  
Prime Minister of Australia



**SAAB**

# SOVEREIGN SUCCESS

## **AUSTRALIA'S MOST EXPERIENCED DEFENCE AND SECURITY INTEGRATOR**

In 2017, we celebrated Saab Australia's 30th anniversary, marking three decades of sustained innovation.

In this time we've had a profound impact on Australia's defence capability. Most notably, we've provided the Royal Australian Navy with its own world-class naval combat management system (CMS)—the backbone of Australia's defence independence.

Interoperable with allies, but sovereign-built, adapted and supported on Australian soil, the Saab 9LV CMS is cutting-edge technology our Department of Defence can expand as needed, to meet the emerging threats of a rapidly changing world.

This legacy, the creation of the first major Australian owned naval defence system—relied on so heavily to protect so many—is one of which we're immensely proud. The culmination of over 30 years of development work has been the outstandingly successful Anzac anti-ship missile defence upgrade. Utilising the skills and knowledge from this programme, coupled with our innovative thinking, has led to further successful locally developed capabilities in security, unmanned systems and mixed reality.

In the last decade, Saab Australia took a long-term view to diversify the business and expanded its operations into the public safety and security market. Using the same high-level systems engineering experience, we're now developing systems that protect people and civil infrastructure within defence bases, detention centres, high-security prisons, remand centres and hospitals across Australia with great success.

Over the course of our exciting journey, the skills, attributes and achievements of our outstanding people have earned us a reputation as one of Australia's most trusted defence visionaries in all domains; responsive, innovative and eager to collaborate.

It's these core qualities that will continue to drive Saab Australia's growth into the future, enabling us to help our nation negotiate the challenges of 21st century warfare and multi-stakeholder alliances, and strengthen Australian owned capability.





Over the course of a thirty year journey, the skills, attributes and achievements of our outstanding people have earned us a reputation as one of Australia's most trusted defence visionaries in all domains; responsive, innovative and eager to collaborate.

# GLOBALLY RESOURCED

PART OF THE FULL SPECTRUM  
SAAB GROUP



“The Gripen E has 40 per cent more fuel, it has more thrust, more weapons stations and a higher overall weight. How do you integrate all these new features and still keep a balanced and capable design — and be affordable? It’s a good question, and one that Saab appears to have cracked.”

Combat Aircraft | America’s best-selling military aviation magazine

**SAAB AUSTRALIA IS A  
KEY ENTITY WITHIN SAAB'S  
GLOBAL FOOTPRINT, FOCUSED  
ON SYSTEMS INTEGRATION.**

## **TECHNOLOGY FOR A CHANGING WORLD**

Saab Australia is recognised as our country's premier defence and security systems integrator.

We employ close to 400 highly skilled Australians, working in a collegiate environment at our Adelaide headquarters and in satellite support centres across the nation. More than 85 percent are engineers—systems, electronics and computers—and all are 100 percent committed to developing Australian-made, Australian-owned technology to safeguard Australia's future.

Yet this is only a fraction of the resources at our disposal. As a member of the global Saab Group, employing 14,000 and generating annual revenues of over \$A4 billion, much of which is re-invested in research and development, Saab Australia has direct access to some of the best technical expertise in the world.

An authority in defence, aviation and civil security technology, Saab is the only organisation engineering and building formidable defence assets to protect people and society from the heights of the skies to the depths of the oceans.

From the iconic Gripen jet fighter to the next generation A26 submarine and everything in between, Saab is a global defence leader.


# SUSTAINED **INNOVATION**

True to our thinking edge philosophy, Saab Australia has been successfully delivering innovative technological solutions for 30 years.

For the Australian Defence Force, we create and embrace new technologies to provide leading-edge products and services in all domains: maritime, land and air. While in the civil sector, our creativity has seen us diversify into security and air traffic control systems.

This innovation-based evolution has fuelled strong industry-building growth. Saab Australia now employs nearly 400 Australians across four states and territories. We lead Saab globally with our Centre of Excellence in Unmanned Surface Vessels. And with ongoing investment in initiatives such as those highlighted here, we'll continue building Australian industry well into the future.





Saab Australia's research team is developing the Bonefish unmanned vessel concept for mine countermeasures, anti-submarine warfare, surveillance and protection. The team is also collaborating with the Defence Science and Technology Group to research autonomy for improved sea-keeping.



## INSPIRATION TO DREAM BIG

Saab Australia is a founding industry partner for Techstars, the first defence and security accelerator program in the Asia-Pacific region and the US-based business incubator's first worldwide to focus on defence-related technology.

Launching in July 2017 and designed to foster innovation in the defence industry, the three-month program will provide 10 start-up technology companies with intensive guidance and education in: assessing market potential; understanding the intricacies of the sector's commercial environment; and contracting and procurement. Saab staff will also act as mentors for participants.

### **Plan Jericho: mixed-reality situational awareness**

Saab Australia has developed a remarkable new situational-awareness visualisation system that now enables the Royal Australian Air Force (RAAF)

to rapidly assess complex live or predicted scenarios from all perspectives before committing resources.

The system works with Microsoft's HoloLens mixed-reality device, the world's first untethered holographic computer.

Adopted as part of RAAF's Plan Jericho, the transformational technology blends the real world with digital information presented as fully interactive holograms, and will help commanders identify appropriate courses of action faster than ever before.

## VENTURING AHEAD

In another step to support the Australian defence sector's future, Saab is extending and modifying its facilities at our Mawson Lakes, Technology Park headquarters for shared use by UniSA and its researchers. The teaching and laboratory areas will support the defence-related degrees offered through the university's Technology Park campus, and provides additional space for collaborative research-based projects, which we're actively pursuing.

Additionally, we're planning to construct a new advanced maintenance and overhaul centre. This investment supports our ongoing strategy of engaging and investing in an Australian supply chain to boost Australian-manufactured-and-assembled products. The facility will significantly broaden our business base, and create new opportunities for sector employment and growth.



“

**I'M FORTUNATE TO  
WORK ALONGSIDE  
PEOPLE WITH A LONG  
HISTORY DEVELOPING  
INNOVATIVE  
TECHNOLOGY.**

**I FEEL I CAN LEARN  
FROM THEM AND  
AT THE SAME TIME  
GENUINELY CONTRIBUTE  
TO PRODUCING A  
GOOD SOLUTION FOR  
AUSTRALIA.**

Jacob Shearer //  
*graduate engineer [joined 2017]*

”





A positive, stimulating environment and healthy work culture benefits everybody. We could not achieve excellence without inspired employees. We always aim for the best and that means we need to attract and retain the best people whom we respect.



# PEOPLE **FOCUSED**

At Saab Australia, we're acutely aware that world-class service and technological innovation is only possible with a world-class workforce. So we put significant thought and resources into attracting and retaining outstanding people.

Notably, this includes many highly skilled veterans, who together provide us with the invaluable insight of over 900 years' military service. No one understands our defence customers better.

Our sustained efforts have established Saab Australia as a legitimate employer of choice, with staff surveys continuing to indicate our employees feel proud to be part of our team. And we're working hard to maintain and strengthen that position every day.



## MAKING WORK A HAPPY PLACE TO BE

The ability to balance personal and professional needs and responsibilities is a key component of not just a happy workplace, but a happy life. Consequently, we've taken a number of steps to actively assist Saab Australia staff in this regard.

Our approach is to foster a supportive workplace culture, first-class environment, perpetual skills development, and celebrate and reward success —both collective and individual.

## HELPING GRADUATES ON THEIR WAY

To future-proof the industry and transcend what is currently possible, we are strong believers of regularly fostering and hiring next-generation talent. All our new recruits—predominantly software, mechatronic and electronic engineers—are rotated through different areas of the business in both defence and civil.

This helps them understand each area's role and value, and identify where they feel most at home. In addition to technical instruction, graduates also receive significant professional development training, ensuring sound commercial awareness.

## THROUGH-CAREER TRAINING AND DEVELOPMENT

Keeping our people ahead of the technology curve is of critical importance. We achieve this through a comprehensive professional training and development program.

The program is built around a competency-based framework that segments capabilities required for various positions within the organisation. A staff member's competencies are recorded when they're first employed, and traced throughout their chosen career, with appropriate training requirements.





# COMMUNITY CONSCIOUS

**LOOKING OUTWARD  
HAS REWARDS**

Simon Hunt, Saab Australia Software Engineer, trains and fosters assistance dogs who provide life-changing support for people who are blind, vision impaired or Autistic. Some may even support veterans with Post Traumatic Stress Syndrome (PTSD) through the RSL and RSB K9 program we are a major sponsor of.



## RESPONSIBLE ACTIONS EARN TRUST

As Saab Australia grows, so does our responsibility to continue connecting with, and contributing to, our local community. Recognising this, we sponsor a range of community activities, cultural events and organisations that empower people to overcome challenges.

Equally important, of course, is our engagement with Australian industry and educators. Saab Australia shares the benefits of our success with local businesses and the next generation of skilled workers through sponsorship of various seminars, conferences and research grants, and—as the examples here show—regularly take the lead on STEM and industry initiatives.

## OUR SOCIAL INVESTMENT

Community programs we support are closely linked to the business where we can best contribute towards social development, economic growth, innovation and employment opportunities. Our ongoing sponsorship of not-for-profit organisations like the Returned and Services League (RSL) and Soldier On are aligned to our core values and a big part of this mix. On an annual basis, we invite employees to nominate three not-for-profit organisations to receive a sizable donation from our Community Care program, one each supporting people, animals and the environment. We are proud to support our community with such rich, generous social groups and services and will continue to be involved. This is such a rewarding part of our business.

## INSPIRING THE NEXT GENERATION

By engaging children in science and maths at a young age, we can instil interest which leads to study and fulfilling careers. Our support of community outreach initiatives like Science Alive, a hands-on family event which breaks down the 'magic' of science, is a first step toward further education. Our ongoing engagement with local universities and schools is an important element which drives future innovation. In partnership, our many projects and programs have delivered mutual benefits for educational institutions, students and our organisation. For example, interns we have hosted have been involved in world-leading research such as our unmanned surface vessel technology, mixed-reality and smart phone app development. And we've recruited graduates who have been involved in many of these initiatives.

Saab Australia is a driving force in the national SUBS in Schools program, run by Re-Engineering Australia in association with the Department of Defence. A multifaceted STEM development program for years 7-12, SUBS in Schools requires students to work in teams to build, present and race a model submarine or remote-operated vehicle.

We've been a program sponsor and judge since its pilot in 2014, and led development of the program's official rules and materials. Saab Australia continues to sponsor the program with in-kind engineering support where graduate engineers mentor students to help them overcome technical issues.

## SUPPORTING STUDENTS IN MIXED-REALITY DEVELOPMENT

Saab Australia is providing UniSA Bachelor of Information Technology (Games and Entertainment Design) students with the opportunity to undertake a mixed-reality app development project with the company as part of their degrees.

Mentored by our staff, students are guided through the user-centred design of an app using Microsoft's HoloLens technology. The initiative was launched in 2016 and has already produced two 'talking point' prototype programs with numerous defence and civil applications.





Saab Australia graduate engineers mentored Australia's first national SUBS in Schools champions. Team Athena from St Peters Girls School took out the prestigious accolade in the inaugural event held in Sydney.



“

**I AM FORTUNATE  
TO REPRESENT THE  
STAFF ON THE BOARD,  
WORKING WITH A  
DIVERSE AND ENGAGED  
GROUP OF PEOPLE  
ON TECHNOLOGIES  
THAT HELP PROTECT  
AUSTRALIA.**

*Susan Murdoch //  
Senior software engineer and  
Saab Australia board member  
(staff representative)  
[joined 2004]*

”

## CONNECTING LOCAL INDUSTRY TO THE WORLD

Saab Australia has long held a clear policy to use local suppliers and subcontractors wherever possible to support Australian innovation, develop Australian industry capability, and boost the local economy. In 2016, we took this a step further. An online industry portal was established, allowing local small-to-medium enterprises to easily register for consideration as recognised Saab suppliers—potentially exposing them to significant emerging opportunities, including through the Saab Global Supply Chain. A key member of our supply chain is the Indigenous Defence Consortium whose focus is to grow Indigenous owned and controlled businesses.





# NAVAL **POWER**

WE'RE BEHIND OUR  
ROYAL AUSTRALIAN NAVY



## ADVANCING AND EXPORTING WORLD-CLASS CMS

From inception of the technology transfer from Sweden 30 years ago, Saab Australia has been advancing Saab's flagship 9LV combat management system (CMS) keeping the Anzac Class frigate a world class warship.

We now have teams with over 250 engineers who work on all aspects of naval combat systems and CMS research, development, integration and support. This gives us an unmatched capability to fully develop and maintain complex combat management systems in-country—a fact reflected in the decision to select 9LV for its Canberra Class Landing Helicopter Docks (LHDs) and the new replenishment ships.

We also proudly export this world-class technology to many allies. Saab Australia is now the lead provider of core software and integration technologies for naval gun, missile and datalink projects in Sweden, Canada and Thailand.

## RELIABLE SUBMARINE CONTROL AND MANAGEMENT

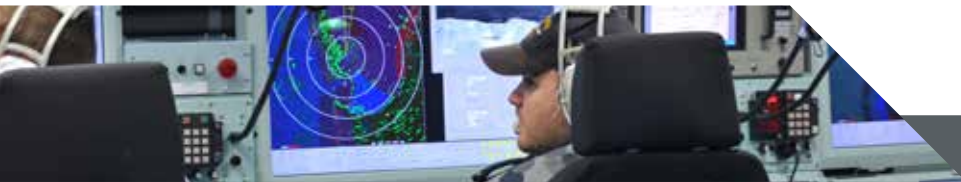
Saab designed the integrated ship control management and monitoring system for Australia's Collins Class submarines to manage the ships' essential manoeuvring, power and life-support functions.

Effective and reliable since Collins first entered service, the system is now being modified to take the submarines through to eventual replacement. Managed 100% by Saab Australia, these upgrades are another outstanding example of technology transfer.





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### Keeping Australia's warships at the cutting edge

Our work integrating the Royal Australian Navy's (RAN) Anzac Class combat management system (CMS) remains the most successful large-scale military project in Australian history. Requiring over 1.3 million lines of code, and interfaces with

14 unique sub-systems the Anzac Class CMS was delivered on time, on budget, and met all RAN requirements.

Yet it was only the beginning of an ongoing relationship with the class that continues to this day. Over the past three decades we've performed a series of major updates for the Anzac

9LV CMS to maintain the frigates' capabilities against emerging threats.

Recent examples include integrating the Evolved Sea Sparrow Missile (ESSM) and the CEA Phased Array Radar (CEAFAR) as part of the Anti-Ship Missile Defence upgrades, while ongoing projects will integrate the ESSM Block

2, long range surveillance radar - CEAFAR 2, torpedo self defence and communications ESM. Throughout this period the CMS has undergone several planned technology upgrades to ensure the CMS is able to support the RAN well into the future.

## TRAINING

A combat system is only as good as the naval personnel operating it, and both the RAN and Saab Australia have invested heavily in shore-based training systems.

Saab's tactical training for crews of Anzac Class frigates and Canberra Class LHDs provides valuable experience in complete wrap-around systems to simulate every facet of warfare sailors and officers are likely to face.

This has now been extended into the real world, with a 9LV installation placed at the heart of the RAN's live gunnery training facility at West Head, Victoria. This state-of-the-art system integrates a CEA radar and 76mm rapid firing gun.



We know naval combat.  
We know and respect Navy's business. With around 40 Royal Australian Navy veterans on our maritime development team, our role of empowering and protecting Australia's service men and women at sea is seriously personal. By teaming serving military experience with the most dedicated systems engineers in country, we are proudly designing naval systems of the future to safeguard Australia's national interests.



“

**AFTER MORE THAN  
25 YEARS WORKING  
FOR SAAB, I STILL FIND  
MY WORK INTERESTING  
AND REWARDING.  
IT'S A FUN PLACE  
TO WORK. IT'S NOT  
ONLY THE NATURE  
OF THE WORK BUT  
THE PEOPLE I WORK  
WITH. THEY ARE  
GOOD PEOPLE!**

Jim Bourke //  
*combat system engineering group  
manager, maritime manager  
[joined 1991]*

”

## LEADING UUV TECHNOLOGY

Saab is a major provider of unmanned underwater vehicles for both military and industrial applications across Australia.

Saab's Double Eagle is a key asset on-board the RAN's minehunter vessels. This remote-controlled system moves around all three axes with incredible precision and its telescopic arm deposits detonating charges with extreme accuracy. Carrying sensors and scanning sonars, the Double Eagle can swim ahead of the mothership, preventing it from sailing into harm's way.

The complex network of tunnels, pipelines and aqueducts of the Snowy Mountains Hydro-electric Scheme have been given

the greenlight thanks to Saab's underwater technology. Saab's Sabertooth inspected 145km of water-transfer tunnels using advanced cameras, sensors and multi-beam sonar technology. Not having to de-water or use divers delivered huge savings in time, cost and of course safety.



# LAND **COMBAT**

**COMBAT PROVEN, FUTURE PROOF**



## AUSTRALIA, WE'VE GOT YOUR BACK

Australia's frontline troops have depended on Saab technology for decades. From weapons and communications to early warning systems, Saab Australia has given the Australian Army the tools and systems it needs to stay safe through the 'three block war', from high-end warfighting through to peacekeeping and humanitarian operations.

Saab Australia developed the Army's first battlefield communication and support system for battle planning, operation management and communications. This led to in-field testing solutions to keep the Army's technology

as responsive as possible. Our in-service support team now supports well over a thousand systems and weapons nationally.

With sixteen percent of our workforce made up of Australian Defence Force veterans, we understand the Australian Army's work and are proud to develop leading technology and systems which support land combat whilst keeping troops safe.

We support Australian Army's close combat capability with products like the Carl Gustaf weapon system which is constantly evolving to counter emerging threats. Our high-fidelity simulation and training and systems give our troops the confidence they need to be safe and effective in combat.





© Commonwealth of Australia 2015

### **30 years' short-range superiority**

The Saab RBS-70 short range ground based air defence (GBAD) system has been the centrepiece of the Australian Army's GBAD capability for three decades, and we're working hard to ensure it remains so.

By constantly improving and enhancing the system—such as through recent Bolide missile and Mode 5 identification friend or foe upgrades—we're constantly securing the system's ability to counter emerging air and missile threats.

## **BEST-OF-BREED DEPLOYABLE HEALTH**

To give Australian servicemen and women the best chance of survival and recovery when injured in the field, the Australian Defence Force is seeking a best-of-breed deployable health capability.

In response, Saab Australia is leading an Australian-based consortium with world-class medical technology partners; Philips Electronics, Aspen Medical and Marshall Land Systems. The consortium is the only Australian technology provider with the experience needed to develop such a unique, fully integrated life-support system of this scale on home soil, ready for deployment anywhere in the world.

Our team includes a complete network of Australian medical professionals. First-response care specialists, academics and thought leaders, highly specialised equipment manufacturers and providers, and medical facility operators are all onboard to provide this exciting new capability. No element of first-world professional medical care has been compromised.

Equally importantly, we are resolute in supporting our industries and economy by reaching out to partners, suppliers and subcontractors who maximise Australian resources, manufacturing, delivery and support.





## **WORLD-LEADING SIGNATURE MANAGEMENT**

Saab Australia is the supplier and project manager of the Saab Barracuda range of tailored, multispectral signature management systems. Saab's camouflage is widely recognised as the world's best for vehicle, fixed installation and personal protection from ever-increasing sensor threats. Protection from an increasing range of sensor threats, provides a real advantage on the battlefield.

We have an ongoing relationship with the ADF, helping them meet their unique signature management needs as detection technologies evolve. Camouflage is part art, part science, and Saab engineers and scientists work in tandem to develop solutions that suit both the object and environment, while providing the necessary level of protection.

## **EYES EVERYWHERE**

In volatile situations where rocket, artillery and mortar attacks are a constant threat, advance warning is critical. Rapid, effective responses can mean the difference between life and death, and Saab Australia systems provide Australian troops with the real-time, around-the-clock surveillance and reporting they need.

Our Giraffe radars provide vital early warning of imminent rocket, artillery and mortar attacks. Originally supplied to the Army in 2010 for use in Afghanistan, the radars returned to Australia in 2013 and our Counter-Rocket Artillery and Mortar (C-RAM) In-Service Support team continues to support this capability for the Army today.

“

**SAAB HAS GIVEN ME THE OPPORTUNITY TO GO FULL CIRCLE HAVING PREVIOUSLY DEVELOPED CAPABILITY REQUIREMENTS AND DEPLOYING WITH ARMY ON OPERATIONS WITH SAAB PRODUCTS. NOW I AM MANAGING SUPPORT FOR THE SAME CAPABILITY WITH A TEAM OF DEDICATED AND HIGHLY PROFICIENT ENGINEERS AND TECHNICIANS. IT'S A GREAT JOURNEY.**

Marc Bryant //  
*manager ground based air defence [joined 2014]*

”



# AIR CONTROL

## LIFE-SAVING MILITARY AND CIVILIAN AVIATION TECHNOLOGY

### **GIVING RAAF F/A-18 AND MRH-90 PILOTS A SURVIVAL EDGE**

Saab Australia provides the Australian Defence Force with two systems that play critical roles in the protection and survival of its pilots.

The Saab BOL advanced countermeasure dispenser system has been in service with the F/A-18 Hornet for many years, with the Royal Australian Air Force recently acquiring additional units to support combat operations over Iraq and Syria. The BOL's high payload-to-volume ratio, non-pyrotechnic release mechanism and effective dispersion gives it superior performance for both chaff and infrared payloads.

Additionally, Saab Australia provides a test facility for the flight control computers on the MRH-90 Taipan helicopter used by the Australian Army and Royal Australian Navy. These advanced, mission-critical, multiple-redundancy systems play an integral part in enabling the Taipan to meet a huge variety of complex requirements.







## REVOLUTIONISING AUSTRALIAN AIR TRAFFIC CONTROL

Saab Sensis in partnership with NAV CANADA, designed and delivered leading-edge integrated tower automation suites for Australia's key airports.

INTAS provides controllers with the latest, fully integrated 'glass tower' solution, combining flight and operational data, surveillance and voice communications into a single, customisable air traffic management system.

The first INTAS was installed in Broome in 2013, with subsequent installations in Rockingham, Adelaide and Melbourne Airports. In 2014, a contract was signed to extend installations to Gold Coast, Perth, Cairns and Brisbane airports, with long-term plans to include all major and regional airports in Australia.

### World-class wide-area air traffic surveillance

Saab Sensis in cooperation with Australia's air navigation, traffic control, rescue and fire fighting service provider, Air Services Australia, upgraded Tasmania's air traffic surveillance and developed

the landmark Tasmanian Wide Area Multilateration system (WAM). This was first of its type in Australia and one of the first of this scale in the world. The system was a total success, dealing with the challenges of the newest technology, difficult terrain and a stringent regulatory environment.

Saab Sensis subsequently deployed the WAM system at Sydney Airport. At the time, this was the industry's first single WAM system to simultaneously provide both low-level terminal airspace surveillance (to 40 nm) for separation services in the terminal manoeuvring area, and precision runway monitoring.





“

**WE HAVE A GOOD  
COLLABORATIVE  
CULTURE; PULLING  
TOGETHER TO GET  
A GOOD SYSTEM  
TO THE END-USER.**

Adrian Makarowsky //  
*system engineering manager [joined 1995]*

**THE WORK  
CHALLENGES  
ME, SO I'M  
LEARNING A LOT.**

Marcella Makarowsky //  
*contracts assistant [joined 2016]*

”

## STREAMLINING ON-THE-GROUND AIRPORT TRAFFIC

Complementing its air traffic management systems, Saab Sensis also provides Advanced Surface Movement Guidance and Control Systems (A-SMGCS) at Melbourne, Sydney, Brisbane and Perth airports.

The A-SMGCS provides automatic identification and tracking of all suitably equipped vehicles and aircraft at the airport, and provides an electronic picture of what's happening on the ground at all times.

## SUPPORTING REGIONAL AND CHARTER AIRLINES

The Saab 340 family of twin-engined passenger aircraft remains a popular and reliable member of many Australian regional and charter airline fleets and Saab Australia continues to provide them with all necessary support.

We currently supply Saab 340 spares and engineering information to: Regional Express Airlines (Rex); Jetcorp Australia; Corporate Air; Fly Corporate; Blue Sky Solutions; and Altitude Aviation.



A man with a beard, wearing a light blue button-down shirt and dark trousers, stands in a server room aisle. He is holding a silver handheld device in his left hand and using a small, light-colored card or device to interact with a server rack on his right. The server racks are black with perforated doors. The floor is white tile, and the ceiling has recessed lighting. The overall scene is professional and tech-oriented.

# FULL SPECTRUM **SECURITY**

**KEEPING PEOPLE  
AND SOCIETY SAFE**



## PROTECTING AUSTRALIANS AND AUSTRALIAN INTERESTS

At Saab, we consider safety a basic human right. So to help protect our society from the ever-increasing threats of a volatile world, we've transferred our systems integration expertise from the battlespace to civilian life.

Our Australian systems integration team leads Saab's thinking edge in intuitive security system design to resolve real-world security threats and avert potential chaos. Flexible and intelligent, our solutions protect people, systems and property, prevent damaging disruption, and streamline response protocols to save lives.

## UNRESTRAINED CONTAINMENT

Saab Australia's OneView™ physical security information management system has revolutionised the Australian security industry. Designed, manufactured, installed and supported in Australia, this high-technology system allows facility operators to integrate any existing security subsystems, or choose new equipment from any manufacturer.

Backed by Saab Australia's world-class reputation in project management, communication and collaboration, Saab Australia's security systems protect around 40 strategic sites across Australia and New Zealand. These security solutions protect critical infrastructure sites such as correctional facilities, detention centres, airports, casinos, defence bases, utilities, hospital, basically any at-risk-facility.



### **Securing the Southern Queensland Correctional Centre**

Saab Australia designed, developed and installed the integrated electronic security system for the Southern Queensland Correctional Centre, a high-security facility housing 300 detainees 90km west of Brisbane.

The work, performed under contract to the builder, Baulderstone, involved interfacing 22 subsystems to Saab's OneView security management system. This included more than 500 intercoms, 440 cameras, 260 controlled doors, 370

mobile duress locator beacons, 400 intruder alarm monitoring points, over 80 static duress alarm points and 1.4 kilometres of perimeter detection system fencing. Saab Australia has managed through-life-system-support since the facility opened in 2012.

"The final product exceeded all expectations — delivered on time and within budget. Without Saab Australia's cooperation, engineering capability, program management and quality assurance systems this would not have been possible." Steven Barnes, Senior Services Manager, Baulderstone.

### **RAPID, AUTOMATED, FUTURE-PROOF**

Integrated security systems must be adaptable and future proofed to be affordable and useful. Saab Australia integrates all monitoring, communications, resourcing and task management to provide the best response in stressful situations.

Our security systems provide critical infrastructure operators with full customisation of comprehensive situational awareness, rapid issue detection, and time-saving critical response automation. All alarms, events, operator actions and state changes are recorded in a unified system log for fast and accurate analysis and reporting.

Critical infrastructure sites are always changing and need to adapt. Because our systems are based on open protocols and non-proprietary solutions, they are easily upgraded. This means updating maps, alarm points, operator roles and business rules is a very straight-forward process.





## ADVANCED CYBER PROTECTION

With cybercrime now exceeding drug trafficking in both activity and profit margin, Internet-connected organisations have never been more vulnerable. Recognising this, Saab Australia also offers comprehensive cybersecurity consulting for federal, state and local government agencies, and commercial businesses nationwide.

Our security assessors include IRAP personnel certified by the Australian Signals Directorate, and provide a full spectrum of cybersecurity services. This includes: penetration testing; information security auditing; risk assessments; cyber-design assurance; tailored training programs; and creation of complete strategic frameworks.



“

**I REALLY ENJOY  
HOW WE EFFECTIVELY  
'RE-INVENT THE  
WHEEL' EVERY DAY,  
AS WE COME UP WITH  
NOVEL SOLUTIONS  
TO UNFORSEEN ISSUES  
AND I ESPECIALLY  
ENJOY THE TEAMWORK  
AND COLLABORATION  
WITH OTHERS WHICH  
ALLOWS US TO  
ACHIEVE THIS.**

Trent Schroeter //  
*project and systems engineering manager [joined 1994]*

”





# THROUGH LIFE **SUPPORT**

**RELIABLE, HIGH-QUALITY SERVICE IN ALL DOMAINS**



**FOR THE  
AUSTRALIAN  
ARMY**

Saab Australia's Counter Rocket Artillery and Mortar In-service Support (C-RAM ISS) team has supported the Army's Saab Giraffe-AMB radars since their 2010 acquisition to provide early warning of rocket, artillery and mortar attacks in Afghanistan.

Our C-RAM ISS team also supports the Army's AN/TPQ-49 Lightweight Counter Mortar Radar capability—a man-portable system designed to detect, track and locate mortars and, in later versions, rockets.



## **FOR THE ROYAL AUSTRALIAN NAVY**

The Anzac Class frigate project has been an outstanding success for the Royal Australian Navy, both in terms of its original design and development, and the highly innovative approach to in-service support provided through the long-running Anzac Alliance.

While it has changed names a number of times over the years, it has remained a triumvirate of government and defence contractors, including Saab Australia, managing all aspects of the frigates' in-service and through-life support.

## **FOR AIR OPERATORS ACROSS THE ASIA-PACIFIC**

During the 1980s and '90s, Saab built four hundred and fifty-nine Saab 340 passenger aircraft, and sixty-three of the slightly larger, high-speed Saab 2000s, with a combined total of around 300 of these widely respected aircraft still in operation today.

Those in the Asia-Pacific region—80 aircraft used by 10 operators stretching from the Cook Islands to Bangladesh—are all still proudly supported by Saab Australia, and we're committed to providing this service throughout the crafts' commercial lives.

Saab as the type certificate holder, is responsible for the airworthiness of both types of aircraft, and our dedicated team provides a wide portfolio of technical services and aircraft enhancements, in addition to logistic support.

Saab Australia also provides component maintenance, repair and overhaul support to regional Fokker 50 and Bombardier Dash-8 operators, and component repair and certification to third-party service providers.



We know system availability is critical for all our customers.

We apply the integrated logistics support methodology from concept to in-service support and disposal. Full training programs, technical documentation, spare parts are backed up by qualified engineers, technicians and documentation specialists.