

The Sky's the Limit

OUTBACK
AERODRONE



Symposium 2019



21-23 September 2019
Barcaldine, Queensland



Following the success of the inaugural event in 2018, the Remote Area Planning and Development Board (RAPAD) and Barcaldine Regional Council held the second Outback Aerodrone Symposium in Barcaldine on 21-23 september 2019.

STRONG PARTNERSHIPS OPEN THE DOOR FOR FUTURE OPPORTUNITIES IN REMOTE AND REGIONAL LOCAL GOVERNMENT AREAS



THE SKY'S THE LIMIT

OUTBACK AERODRONE
Symposium 2019

21-23 September 2019
Barcaldine, Queensland, AUSTRALIA

WELCOME TO THE OPEN SKIES OF OUTBACK QUEENSLAND!

Australia's only remote UAV event, the Outback Aerodrone Symposium 2019 will be held in Barcaldine, Queensland, from 21-23 September 2019.

Outback Aerodrone Symposium offers a great opportunity to promote the diverse applications of UAV and data technologies in remote and rural regions, and to demonstrate Central West Queensland's drone requirements and capabilities to key players in the UAV industry.

The 2019 program will focus on:

- Learn, work, play
- Drones and agriculture
- Applications for government
- Disaster management

Local Government
Infrastructure management
Renewable energy
Biosecurity
Farm and asset management
Disaster and emergency responses
Culture, recreation, tourism... and more!

REGISTER NOW: OUTBACKAERODRONE.COM.AU

RAPAD BARCALDINE REGIONAL COUNCIL

Barcaldine Regional Council and RAPAD are breaking down barriers and enhancing connections between communities, industry and all levels of government with their approach to delivering Outback Aerodrone.

This collaboration isn't just about hosting an event. Outback Aerodrone is opening up new opportunities for our region (across seven local government areas representing around 21% of Queensland), introducing new industries and future generations of jobs that can benefit remote and regional communities in Central West Queensland and beyond.

The success of Outback Aerodrone is founded on the extensive networks that council and RAPAD have developed nationally and internationally, in addition to their strong community connections.

Taking a collaborative approach, combining resources and experience as well as working with local business and external expertise has meant a high-level event with hands-on, world-leading information and technology has been made accessible to remote and regional communities – in particular to local governments and their employees.

“ THE SUCCESS OF OUTBACK AERODRONE IS FOUNDED ON THE EXTENSIVE NETWORKS THAT COUNCIL AND RAPAD HAVE DEVELOPED NATIONALLY AND INTERNATIONALLY, IN ADDITION TO THEIR STRONG COMMUNITY CONNECTIONS. ”

“ COUNCIL AND RAPAD HAVE BROUGHT TOGETHER THEIR EXPERTISE AND ESTABLISHED NETWORKS FROM ACROSS AUSTRALIA AND OVERSEAS.

INDUSTRY LEADING NETWORKS

Barcaldine Regional Council and RAPAD have brought together their expertise and established networks from across Australia and overseas including Japan.

Bringing representatives to a remote region was a key challenge addressed by ongoing communication and engagement activities. This included communicating an attractive value proposition, providing the right information (including translations) and connecting to events and opportunities to deliver mutually beneficial outcomes.



Japanese delegates with TIQ's Melissa Inooka (above) and Eddie Bennet, Complete AUV.

SUPPORTING LOCAL CHAMPIONS TO TELL OUR STORY

Taking a different approach to just running a story in the local paper, the 2019 event collaborated with industry leaders the World of Drones Congress, as part of a wider Queensland Drone Week campaign.

This campaign included two sponsorships for locals to attend the Barcaldine and the Brisbane event. These new 'champions' will play a key role in continuing the promotion and discussion as they take information back to their own communities and identify how councils and communities can benefit.



Outback Aerodrone champions - Ann Britton and Matthew Newton (above) at the World of Drones Congress in Brisbane.



Queensland Drone Week trade booth at Japan Drone 2019 - including partners from World of Drones Congress and Trade & Investment Queensland.

QUEENSLAND DRONE JAPAN TRADE DELEGATION

The collaboration between Barcaldine Regional Council and RAPAD saw a delegation travel to Japan with Trade & Investment Queensland in March 2019. This included meeting with Japanese industry, education and government about Outback Aerodrone and other opportunities in the region. The delegation included Outback Aerodrone advocates World of Drones Congress which co-hosted a display at the Japan Drone Expo.

The delegation's jam-packed agenda from 10-15 March included hosting a display at the Japan Drone event as well as a full schedule of meetings in Osaka and Tokyo including discussions with one of Japan's largest machinery manufacturers, Kawasaki Heavy Industries, in addition to meetings with representatives from government ministries, Chiba University and key players in drone industry development.



THE DELEGATION WAS ANOTHER IMPORTANT STEP FOR THE REGION TO CONTINUE TO DEVELOP ITS CAPABILITIES AS A DRONE TESTING CENTRE AND STRENGTHEN TIES WITH WORLD-LEADING COMPANIES.

TAKE A LOOK

The full Japan Drone Delegation report is available online:

bit.ly/OAS-Japan-Drone-Report

DELEGATION OBJECTIVES:

- Promote our beautiful vast blue skies of Central Western Queensland, and our capacity to host drone events, especially to those requiring beyond visual line of sight (BVLoS) testing.
- Continue discussions with Japanese delegates and grow our networks and reputation in this valuable market.
- Attract more international delegates to the Outback Aerodrone Symposium 2019.
- Work with World of Drones Congress to establish the Queensland Drone Week concept, encouraging WoD attendees to extend their stay and include Barcaldine on their itinerary.

無限の空へ!



**OUTBACK
AERODRONE**

Symposium 2019

2019年9月21日～23日
Barcaldine, Queensland, AUSTRALIA

クィーンズランド州アウトバック奥地の
広い空へようこそ!

オーストラリアのアウトバック地区唯一のドローンイベント、Outback Aerodrone Symposium 2019が、クィーンズランド州バーカルディンにて2019年9月21日～23日まで開催されます。

アウトバック・エアロドローン・シンポジウムは、ドローンの幅広い活用法や遠隔地・僻地におけるデータ技術に関するプロモーションを行ったり、またCWQ(クィーンズランド州西部中央地区)のドローン関連規定や可能性についてドローン産業の主要な関係者に情報の提供される貴重な機会です。

2019年のプログラムテーマは…

知る、参加する、楽しむ

ドローンと農業

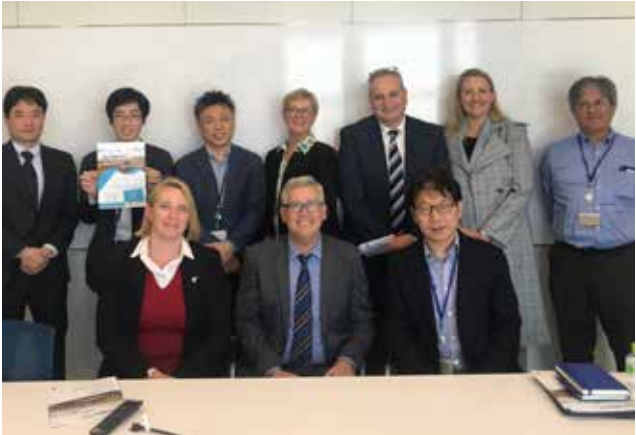
官公庁による活用

- ▶ 県市町村等による活用
 - ▶ インフラ管理
 - ▶ 再生可能エネルギー
 - ▶ 防疫対策
 - ▶ 農場・資財管理
 - ▶ 災害・非常時対応
 - ▶ 文化、レクリエーション、観光
 - ▶ その他各種分野

ご登録はこちら: OUTBACKAERODRONE.COM.AU



Promotional materials were developed in Japanese to facilitate engagement with the large audience.



Kristine Arnold, Operations and Innovation Manager, RAPAD and Brett Walsh, Deputy CEO, Barcaldine Regional Council at Japan Drone 2019 (above), and various meetings throughout their agenda.



2019 EVENT LAUNCH

Local member for Gregory, Lachlan Millar MP, together with Barcaldine Regional Council and RAPAD, hosted the 2019 event launch at Parliament House in Brisbane on 20 June 2019, inviting elected Queensland Government representatives and local media.

TAKE A LOOK

Watch the launch proceedings video online:

<https://youtu.be/C2DxStXpmJs>

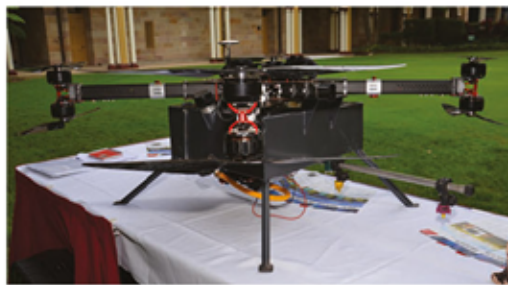
New heights for Barcy aerodrone symposium

THE OUTBACK Aerodrone Symposium 2019 will be held for its second year in Barcaldine next week with a bigger and more hands-on program lined-up.

It is being hosted by the Remote Area Planning and Development Board (RAPAD) and Barcaldine Regional Council.

RAPAD CEO, David Arnold, said last year's event attracted keen interest from industry, and will again host a great line-up of experts and a delegation from leading Japanese companies, led by Trade and Investment Queensland.

"Our program combines local expertise with a truly international flavour, including Italian, French and Japanese-aligned com-



panies presenting and demonstrating, as well as several national companies," Mr Arnold said.

"The symposium showcases what people in our region are doing, as well as the consumer and application demands to the broader sector — that beats a meeting or city-based conference hands down.

"This year we're excited to be hosting more demonstrations and hands-on activities, in-

cluding drone racing, property management and local government topics, workshops for kids, aerial photography workshops, plus more.

"Whether you're in business or just looking at a hobby, if you've got a drone and you're wanting to get the most out of it, or just wanting to know how to get started, there's something for everyone," he said.

RAPAD Chair and

Mayor of Barcaldine Regional Council, Cr Rob Chandler, said he looked forward to once again welcoming locals and visitors to Outback Aerodrone Symposium.

"Barcaldine Regional Council is proud to support this event. We know that this is something we need to be looking at now so our communities are ready to take advantage of what these technologies can do," Cr Chandler said.

"We've had invaluable support from locals and industry networks that have helped develop a high-quality program and will connect to information, services and providers that is relevant for our region.

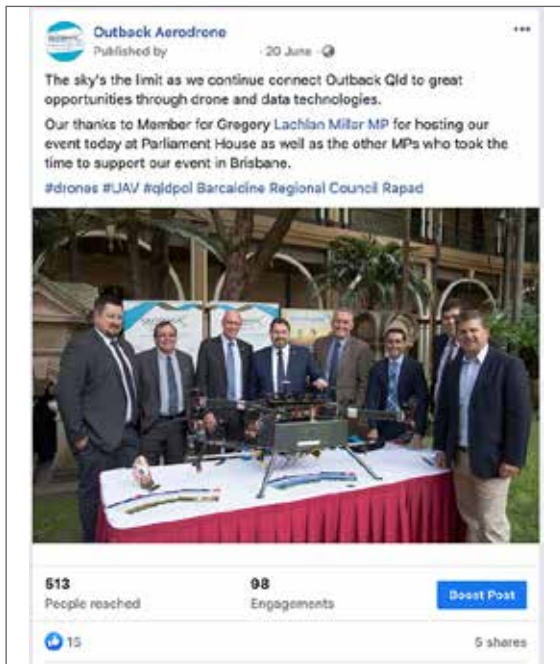
"We're proud to be leading the charge for regional Australia to put

the power of these technologies within reach of our communities.

"As the symposium program says: 'the sky's the limit' and this event certainly goes beyond Council boundaries, and the outcome will always be a win for the RAPAD region, regional Queensland and beyond," Cr Chandler said.

Outback Aerodrone Symposium 2019 is supported by the Queensland Government through Advance Queensland. RAPAD and Barcaldine Regional Council gratefully acknowledge the support of presenters and exhibitors.

Registrations and further information are available online at www.outbackaerodrone.com.au/2019-symposium



Outback on course to become regional Queensland's drone capital

Outback leaders are in Brisbane to launch the next stage of their plan to make the region a centre for drone technologies ahead of hosting Australia's only remote drone event – Outback Aerodrone Symposium 21-23 September in Barcaldine.

Representing the seven councils of Central West Queensland, the Remote Area Planning and Development Board (RAPAD) has been quietly starting a drone revolution, focussed on delivering the benefits of the growing technology to its communities.

Chair of RAPAD and Mayor of Barcaldine Regional Council, Rob Chandler said independent reports and ongoing discussions with industry leaders highlighted the region's prime position to take advantage of drone technologies and host drone testing.

"From agriculture, to disaster recovery, to infrastructure management, drones have amazing potential to support local communities, showcase local skills and capacity, and attract business and visitors to the region," Cr Chandler said.

"We have leaders from the industry telling us what they are looking for in terms of testing facilities and Central West Queensland hits the mark - global companies including Insitu Pacific and IDS have already conducted testing in-region.

"As we continue to face heart-breaking drought, our drone ambitions aren't a flash in the pan, we have a strategy shaped by expert knowledge that opens the door to real opportunities to boost our local economies as well as spirit," he said.

"We're excited to be bringing our Symposium back to Barcaldine this year following the success of our inaugural event in 2018 which drew attendees from across the country as well as a business delegation from Japan – breaking new ground and making our vision to be recognised internationally a reality."

"We've continued the momentum, working with Trade & Investment Queensland to take a local delegation to Japan earlier this year, meeting with industry, education and government to discuss opportunities including hosting drone events," he said.

"We thank our local member for Gregory, Lachlan Millar MP for hosting this launch event at Parliament House. This support reinforces the collective effort of RAPAD in leading the way with these technologies that can deliver many benefits to local regional economies, skills capacity and jobs.

"If drones are your business, your company's next frontier or your hobby, I encourage you book a trip to Outback Queensland and connect with great opportunities, likeminded people and take in a top event complete with legendary hospitality.

RAPAD CEO David Arnold said: "This is an exciting time for our region, as we continue to work with major players in the industry, including Australia's very own World of Drones Congress, to maximise our impact. Another exciting development this year will see our Outback Aerodrone Symposium kick off a 'Queensland Drone Week' that will culminate in the World of Drones Congress in Brisbane.

"Our region is well and truly open for business, and we will continue to grow our industry partner network, and work with government and corporate partners to secure sustainable investment for the communities of Central West Queensland."

NETWORK PROMOTIONS & SOCIAL MEDIA CAMPAIGN

OUTBACK AERODRONE – OPEN AND READY FOR BUSINESS

Following successful Outback Aerodrone Symposium in August 2018, attended by national and international UAV companies including two Japanese companies, discussions have continued between UAV and local key stakeholders to foster a relationship for developers to solve the issues of the region's economic industries of agriculture, tourism and local government.

Promoting the region for testing of UAV and sensors, including Beyond Visual Line of Sight has included:

- a reciprocal visit to Japan Drone with further meetings with:
 - JUIDA (Japan UAS Industrial Development Association)
 - Fukuskhima UAV Test Facility
 - SkyDrive (passenger drone)
 - JSAT SkyPerfect (attendees at our 2018 OAS)
- attending Fraser Coast Drones and Innovation Showcase promoting the OAS 2019 and further building links with the UAV industry stakeholders
- discussions with Drones Champions League to host an international drone championship in Barcardine
- linking industry, especially agriculture and local government, with manufactures and technical engineers to develop aircraft and sensors for regional needs
- promoting Outback Aerodrone - Drone Test Connect, providing a concierge service to link UAV/drone companies with appropriate sites to fly and test ie Sunbirds (Hot Desq recipients).

Social media platforms were used to not only promote the event but also to showcase the region's potential as well as the work being undertaken by local government organisations in regional and remote Queensland.

Through council and RAPAD connections the campaign leveraged high profile leaders in the industry with a presence on social media to spread the word.

FACEBOOK: AVERAGE 400 PEOPLE REACHED, 57 ENGAGEMENTS PER POST DURING CAMPAIGN.



TWITTER: OVER 15,5000 IMPRESSIONS THROUGHOUT SEPTEMBER 2019 .



Top Tweet earned 1,416 impressions
 From the **#Outback** to Japan - we're helping take **#Queensland's** endless **#drone** opportunities to new heights, working with **@tradeinvestqld** & our mates at **@WoDCongress** | bit.ly/2kp88hY 🇦🇺 🇯🇵
 5 Retweets 12 Likes

TARGETED FACEBOOK ADVERTISING

Focused on regional communities and those with interests within the UAV, local government and agriculture.

POTENTIAL FACEBOOK DEFINED AUDIENCE: 66,000

TOTAL CAMPAIGN IMPRESSIONS: 52,656
AVERAGE ENGAGEMENT, 1000+ UNIQUE LINK CLICKS

HIGHEST IMPACT AD: 30,000 IMPRESSIONS
 (Pictured below: video ad created in Ad platform)



TAKE A LOOK

Event lead up communication with networks – local and beyond.

Australia's only remote drone symposium is back in 2019!: bit.ly/2VM2Rzd

Our program is set to take off: bit.ly/OAS-program

LEVERAGING OUR GROWING REPUTATION

Barcaldine Regional Council and RAPAD's growing reputation and networks in the drone industry has opened doors for communication and promotion.

Combined with local networks Outback Aerodrone is able to provide an attractive proposition to drone and technology businesses aiming to learn from or break into markets that CWQ offers – such as local government and infrastructure management, research and remote/regional testing, agricultural technology and disaster responses.



SPEAKER SPOTLIGHTS

Sunbirds: Revolutionising Water Monitoring in Livestock Farming

<http://bit.ly/SunbirdsUAV>

Aerial photography workshops

<http://bit.ly/Fiona-Lake>

FPVR drone racing

<http://bit.ly/FPVR-racing>

Industry partners now include:

- Sky Perfect JSAT (Japan)
- World of Drones Congress
- Insitu Pacific (a Boeing company)
- IDS Australasia
- DJI Australia
- Remote Aviation
- Pivotel
- FPVR Drone Racing League
- Rural Economies Centre of Excellence / University of Queensland



LOCAL & COMMUNITY PROMOTIONS

In the week leading up to the Symposium (19-23 August) radio interviews on ABC Western Queensland : ABC Western Queensland promotion

Longreach Leader (circulation 1000) and Queensland Country Life (circulation print 138,620 + online) articles have covered the Outback Aerodrone initiative during its development and to the present.

Ongoing advertising in the local paper the Longreach Leader carrying the easily identifiable Outback Aerodrone branding (pictured left) as well as local council newsletters including the Barcaldine Regional Council Galilee Gazette - a most effective way to communicate with our communities, delivered directly on a regular basis.

Proudly presented by: 



OUTBACK AERODRONE Symposium 2019
BARCALDINE, QUEENSLAND, AUSTRALIA
21-23 SEPTEMBER 2019

KIDS DRONE WORKSHOPS

STEMPunks is coming to Barcaldine to provide workshops on drones!

In this workshop you will learn the rules to flying drones, how drones work and then complete missions flying a drone.

Expect a fun, hands on experience with lots of fly time!

Monday 23 September 2019
Barcaldine Library 9 Beech Street, Barcaldine

Session 1	Session 2	Session 3
9.30am-10.45am	11.15am-12.45pm	1.30pm-3.00pm

Maximum of 20 children per workshop, ages 8 years and over.

As per Barcaldine Regional Council Policy No. CS002 an adult must accompany children 10 years and under.



   OUTBACKAERODRONE.COM.AU



OUTBACK AERODRONE Symposium 2019
BARCALDINE, QUEENSLAND, AUSTRALIA
21-23 SEPTEMBER 2019

CHECK OUT OUR PROGRAM FOR FAMILY FRIENDLY ACTIVITIES INCLUDING DRONE RACING & KIDS WORKSHOPS

Learn, work, play
Drones and agriculture
Applications for government
Disaster management

AUSTRALIA'S ONLY REMOTE UAV SYMPOSIUM IS BACK

Outback Aerodrone Symposium 2019 will be held once again in Barcaldine, Queensland, from 21-23 September 2019.

The Symposium is a great opportunity find out more about the diverse applications of drone and data technologies in remote and rural regions from local, national and international experts and providers - right here in Central West Queensland.

HAVE A QUESTION?   

Contact us:
Phone: +61 7 4651 5612
Email: events@barc.qld.gov.au

- » DRONE RACING
- » Infrastructure management
- » AERIAL PHOTOGRAPHY
- » Biosecurity
- » PROPERTY & ASSET MANAGEMENT
- » Disaster and emergency responses
- » CULTURE & TOURISM... and more!

REGISTER NOW!
OUTBACKAERODRONE.COM.AU



OUTBACK AERODRONE Symposium 2019
BARCALDINE
21-23 Sept 2019

THE SKY'S THE LIMIT!

- » Meet and listen to leading drone and tech experts.
- » Get a better understanding of the value and relevance of drone, data & technology options to you or your business.
- » Great activities for the school holidays!

Drone Racing  Pest & Weed Management  Aerial Photography  Kid's Workshops  Asset & Property Management  Disaster Management 

...plus much more!

Places are limited. Register online by 19 September to secure your tickets:
OUTBACKAERODRONE.COM.AU



Cr Rob Chandler – Chair of RAPAD and Mayor of Barcaldine Regional Council opening the Outback Aerodrone Symposium and welcoming delegates.

OUTBACK AERODRONE SYMPOSIUM

The Outback Aerodrone activity culminated in September with the Outback Aerodrone Symposium 2019 kicking off Queensland, being followed at the end of the week by World of Drones Congress in Brisbane.

Held over three days, the event's themes included:

- Learn, work, play
- Disaster Management
- Local Government applications
- Agricultural applications.

Over 120 attended across the three days, with our second Japanese delegation coordinated by TIQ including a delegate who attended last year's event.

French company Sunbirds' Queensland-based team demonstrating the 3 metre solar powered fixed wing drone, along with DJI representatives demonstrating the latest drones.

Helping to inspire the next generation and connect to school curriculum, our program included various activities open free of charge to the community including drone simulators, micro drone racing activities and kids drone workshops delivered by STEMPunks.

FPVR Drone Racing provided the opportunity for locals to test their flying and racing skills on simulators and with micro drone racing before two Queensland-based world champions (both aged 15) demonstrated their prowess on the Barcaldine Airport tarmac. This event was open to the local community to attend and sparked a great deal of interest and perhaps inspired some future drone pilots.







OUTBACK AERODRONE

Symposium 2019



21 - 23 September 2019
Barcaldine, Queensland

SPEAKERS, EXHIBITORS & SPONSORS

FPVR Drone Racing League

FPVR (First Person View Racing) have been excelling the sport of drone racing and drone technology since 2015. We have established strong and current relations with Associations, leagues and technology development companies worldwide. The 3 main facets of the business are FPVR Events and Exhibitions, Team FPVR (current FAI world Cham-pions) and offering infrastructure to grassroots clubs and leagues via its free to use website and services (Grassroots). FPVR will be hosting demonstrations, Q&A with racing champions and hands-on activities as part of Outback Aerodrone 2019. Find out more <https://fpvr.org>

Team FPVR representatives:

Rudi Browning- Current FAI world Champion Drone Racer
Ben Mortensen- Drone Champions League pilot and current Australian Indoor champion
Matty Clarke- Australian Spec Wing Racing Founder
Dave Crepaldi- Director of FPVR and Team Owner

SKY Perfect JSAT (Japan)

-- Misao Furukawa

SKY Perfect JSAT Corporation (SJC) is the Asian largest satellite op-erator in Japan. SJC has captured the new business vision in last year. It calls "Space for your Smile". Based on this, new businesses is de-veloped. The remote sensing business by UAV is one of the promising candidates.

SJC develops the "multi-copter drone" and the "solar plane" which are automatic and also control through the satellite communication. The solar plane develop in cooperate with Japanese research institute and university. It had two test flights in this year (February and August). Flight tests were successful. In next step, we study that what kind of payload will be install in this plane (i.e. optical camera, thermal infra-red camera, near-infrared camera, hyper-spectrum camera.) for Aus-tralian agriculture, dairy husbandry. SJC would like to introduce our ef-fort so far.

DJI Australia

-- Coleby Thew

DJI is a global leader in developing and manufacturing innovative drone and camera technology for commercial and recreational use. DJI was founded and is run by people with a passion for remote-controlled helicopters and experts in flight-control technology and camera stabilization. The company is dedicated to making aerial photography and filmmaking equipment and platforms more reliable and easier to use for creators and innovators around the world. DJI's global operations currently span North America, Europe and Asia, and its revolutionary products and solutions have been chosen by customers in over 100 countries; for applications in film, advertising, construction, firefighting, farming, and many other industries.

For more information, visit DJI online: www.dji.com

Remote Aviation

-- Ryan McMahon

Remote Aviation is a CASA-approved UAV and RPAS training organisation (CASA.ReOC.1006). Remote Aviation is committed to seeing individuals and businesses achieve their goals in the remote aviation industry. Its expert instructors deliver high quality, flexible and affordable Remote Pilot Licence (RePL) training.

IDS Australasia

-- Coenraad Brand & Corey Wilson

IDS focus on a broad market sector delivering complex solutions to Homeland Security, Defence, Mining and now also in Agriculture. IDS are now entering the IoT industry and the first market is its sensors developed for the Agriculture industry. www.idscorporation.com/ids-subsiaries/ids-australasia

Coenraad Brand is the Research and Development Engineering manager of IDS Australasia, based in the Brisbane suburb of Brendale, IDS AU is a subsidiary of IDS SpA based in Italy.

Coenraad leads his development team in Homeland security and Agriculture. He has come to understand the needs of his clients in the various industries, working towards suitable solutions to optimise their operations.

Our newest Project IDS GFarm is the product of years of research and development with the farmer in mind. IDS G Farms aims to give them full visibility of their assets to increase performance and efficiency to ensure sustainability.

Corey Wilson is Manager Business Development – Homeland Security and Defence for IDS Australasia in Brisbane.

Corey has been with the company for nearly four-and-a-half years and has dealt with unmanned systems, counter unmanned systems, defence-related software and battlefield sensors.

He is a veteran of war-like service in East Timor when he was wearing his naval uniform before discharging in 2004 following a decade of service. He was also seconded and deployed by the Australian Army to assist in the provision of overwatch capabilities supporting Australian and allied forces in Iraq and Afghanistan.

Since then Corey has worked with large defence primes and small business to identify gaps in the market and provide solutions to customers in Australia and around the world.

Sunbirds

-- Amaury Wiest & Olivier Chenez

Sunbirds has created a unique autonomous aircraft that harvests solar energy to fly ten times longer and farther than other drones. Based on that unrivalled endurance, Sunbirds provides drone solutions to cattle stations, saving time and money by replacing traditional ways of performing bore runs. With a wide range of fixed-wing drones and sensors, Sunbirds drones constantly solve new issues.

Find out more about Sunbirds at: <https://sunbirds.aero/>

Sunbirds representative: Amaury Wiest

Amaury is the co-founder and director of Sunbirds, the leading solar-powered drone startup. With a background in business & engineering and a pilot's licence, Amaury had previously worked in marketing for Airbus and AirFrance before getting into drones and Agtech. Originally from France, Amaury has been in Australia for a few years, spending most of his time on remote Outback properties.

Fiona Lake Photography

-- Fiona Lake

Fiona Lake has spent more than 30 years creating images from heli-copters and drones, becoming Australia's most experienced aerial agricultural photographer. Fiona is a fully licensed drone pilot and over the last year she has been invited to present at conferences on four continents.

Fiona's aerial photography workshop will run from the fundamentals of operating drones and cameras to the challenges involved in producing quality aerial images. Many useful tips will be included, and her presentation will be illustrated with images taken across Australia.

Complete AUV

-- Eddie Bennet

Complete AUV is a CASA licensed RPAS operations and training organisation specialising in disaster and emergency response, Search and Rescue, fire, EMS, police, government, agriculture, infrastructure and solar inspections.

CAUV brings extensive experience in these fields through its membership of the OMADA Group which is a partnership of more than 15 international companies, combining RPAS technology, rescue, training, consulting, R&D and other innovations into one centralised business hub.

Based in Queensland, CAUV has extensive experience operating and training domestically and also internationally in the United States, Malaysia, Singapore and Japan. Management and staff of CAUV have been involved in manned aviation specialising in Search and Rescue, emergency and disaster, law enforcement and public safety operations for over 37 years and are now applying this knowledge to unmanned aircraft operations.

In addition to CASA RPAS license training and specialist courses, CAUV offers the vocational qualification AVI30316 Certificate III in RPAS through the Australian Global Institute RTO 31690.

Queensland Fire and Emergency Services

-- Chris Spencer

Chris Spencer is the Acting Area Director, Barcaldine Emerald Area, Rural Fire Service
 Find out more at: www.ruralfire.qld.gov.au

Centre of Rural Excellence and UQ Law

-- Dr Thea Voogt

Dr Thea Voogt is a Senior Lecturer at the TC Beirne School of Law at The University of Queensland (UQ), where she specialises in income tax law and corporations law.

Thea spends significant time in Central West Queensland where she works with primary producers, small business owners and community leaders to investigate different business structures and innovative business models across the region. Partnering with RAPAD and Rural Financial Counselling Services North Queensland (RFCSNQ), her research is primarily focused on the interaction between different legal structures used to operate family businesses.

Thea is a passionate advocate for Outback Queensland, and for greater policy recognition of the interrelationship between country town businesses and farm families.

OPS Australia

-- Andrew Barton & Keith Gordon

OPS Australia is a Central West Queensland-based agtech company co-founded by Keith Gordon and Andrew Barton. OPS Australia harnessing technology including drones and IoT to deliver solutions to tackle issues including wild dogs. Their work includes developing a suite of virtual dog fence products to supplement wild dogproof exclusion fencing projects. Find out more about OPS Australia at: www.OPSAustralia.com

Desert Channels Queensland

-- Doug Allpass & Peter Spence

Desert Channels Queensland Inc (DCQ) is the local community-based natural resource management body and will host forums focusing on drones and property management as part of our 2019 program. The forums are an opportunity for people using drones to come together in a facilitated workshop style atmosphere to share experiences and learn from other users of drones operating in the region. Regardless of the experience of the operator, the forums offer a learning opportunity and exposure to how other people, particularly those from the grazing industry, are using and operating drones to maximise their efficiency and improve operations.

The forums, run by DCQ, which have been operating drones in the re-gion since 2013, build help to networks, shared learnings and prioritise relevant information to be circulated. Normally run in small groups, this will be the first time the forums have been run in this type of forum. www.dcq.org.au

STEMPunks | Presented by GWI www.gwi.com.au

STEM Punks believes that STEM Education should be available to everyone and provide an experience that caters for individual needs and different skill levels. All its programs are developed to enable a creative, innovative, and entrepreneurial mindset. "Our mission is to inspire tomorrow's innovators." WATCH: Stem Punk's story - <https://youtu.be/sumJIs-QtX4> | www.stempunks.com.au

Global Drone Solutions - Presented by Drew Donald

Drew will be presenting on: Asset management and drones
Find out more at: www.gdronesolutions.com

PROGRAM SPONSORS

Advance Queensland

Outback Aerodrone is supported by the Queensland Government through Advance Queensland.

Pivotel

Pivotel is Australia's leading provider of satellite based mobile services. Pivotel is Australian-owned and operated with unrivalled expertise in remote communications, supporting more than 60,000 Australians and New Zealanders who travel or operate outside of mobile coverage. Find out more about Pivotel: www.pivotel.com.au

Pivotel will be joined at the symposium by partners FarmBot Australia and Longreach-based Central Western Computer Services.

Outbackhubs

Outbackhubs is a collaborative effort to provide shared resources and training opportunities to Central Western Queensland. Outbackhubs operates physical coworking locations where members and guests can use highspeed internet, hot desks, general office equipment in addition to participating in workshops.

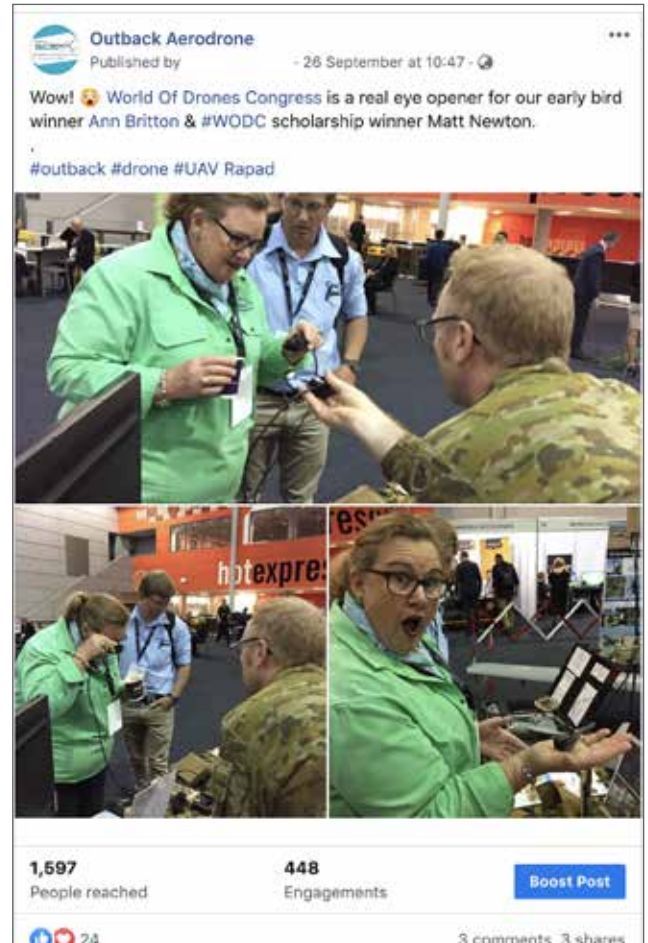


CHAMPIONS CAMPAIGN

WHAT CAN DRONES OFFER REGIONAL COMMUNITIES AND BUSINESSES?

Ann Britton – cattle producer and photographer, Boulia
<https://youtu.be/wSWVnfd9E0U>

Ann works with various community/council-led projects in her region, as well as being a key social media advocate. She was one of 10 Queenslanders named Advance Queensland Community Digital Champions in 2015.



CONNECTING LOCAL GOVERNMENT, BUSINESS AND OPPORTUNITIES

Matthew Newton- Civil draftsman, George Bourne & Associates, Barcaldine

GBA work closely with local councils in the region in developing and delivering infrastructure projects, so the ability to learn more and build networks has a far reaching impact.

<https://youtu.be/Gh2Rup95JC0>

Ann and Matthew's scholarships included attending World of Drones Congress:

www.facebook.com/outbackaerodrone/videos/466317117560150

TAKE A LOOK

In addition to local champions, Barcaldine Regional Council and RAPAD were able to bring their extensive networks across the industry to Barcaldine. Taking the opportunity to record interviews which will now be used in future promotions and campaigns.

bit.ly/Outback-Aerodrone-YouTube



WHERE TO FROM HERE?

REGIONAL THINK TANK

Bringing it all together with delegates and local government representatives holding a 'Regional Think Tank' discussion to conclude the 2019 event.

The session was a great opportunity to put forward and discuss a wide range of ideas for the future of drones in our councils, business and communities: from asset management, to safety, staff inductions, drone parks, encouraging partnerships and to promote the region to those who are not lucky enough to have seen the central west for themselves.



FROM ASSET MANAGEMENT, TO SAFETY, STAFF INDUCTIONS, DRONE PARKS, ENCOURAGING PARTNERSHIPS AND TO PROMOTE THE REGION.



JAPAN LOOKS TO QUEENSLAND AS DRONE TESTBED

- by Trade & Investment Queensland

Queensland's wide open skies may create a new outback industry, after a Japanese delegation visited Queensland to learn more about the state's potential as a drone testing site and to attend the World of Drones Congress (WoDC).

The delegation of 6 representatives from high-tech companies was invited by TIQ Japan and accompanied by TIQ staff throughout their visit.

The delegation travelled first to the Outback Aerodrone Symposium in Barcaldine from 21 to 23 September.

The annual symposium offers drone demonstrations and presentations, and promotes the skies of western Queensland as an ideal drone-testing environment.

The delegation then moved on to Brisbane to join more than 750 other drone experts and enthusiasts from around the world at the World of Drones Congress from 26 to 27 September.

Now in its third year, the congress explored the latest in drone technology, applications and regulations.

Director of Investment for TIQ Japan Melissa Inooka said the trip showcased Queensland as an ideal testbed for Japan's drone industry.

'For example, Sky Perfect JSAT – Asia's largest satellite company – was impressed with the vast amount of space in our regions,' Ms Inooka said.

'It was also impressed with the support and facilitation provided by both TIQ and the Barcaldine Regional Council.

'We will continue to promote Queensland as the ideal testbed for Japan's drone industry.'

TIQ Japan organised the delegates' program and meetings with key local contacts, including:

- the Civil Aviation Safety Authority
- the Department of State Development, Manufacturing, Infrastructure and Planning
- Logan City Council, which is currently hosting a drone delivery trial.
- Queensland is one of the first places in the world to have autonomous drone deliveries, and is also the headquarters for the Cooperative Research Centre for Trusted Autonomous Systems.

Sky Perfect JSAT presented at the Outback Aerodrone Symposium on developments in agriculture-related drone activity.

During its presentation, JSAT said the company was interested in working with Queensland partners to undertake testing and demonstrations in Queensland.



JSAT also attended the World of Drones Congress, as did the delegation from the Japan UAS Industrial Development Association (JUIDA), with JUIDA Executive Director Kakuya Iwata giving a presentation on drone safety.

JUIDA is recognised as a leading industry body in international collaboration for the drone sector.

Also recognised at the congress for international collaboration work on drones was Ms Inooka, who received the International Collaboration – Individual award.

The Outback Aerodrone Symposium is presented by the CWQ Remote Area Planning and Development Board in partnership with the Barcaldine Regional Council.

The aerospace sector is identified as an emerging export priority in the Queensland Trade and Investment Strategy 2017–2022.

Japanese organisations represented in the drone delegation:

- JSAT Sky Perfect Corporation
- Fukuden Corporation
- Japan UAS Industrial Development Association (JUIDA).



SKY PERFECT JSAT – ASIA'S LARGEST SATELLITE COMPANY – WAS IMPRESSED WITH THE VAST AMOUNT OF SPACE IN OUR REGIONS... IT WAS ALSO IMPRESSED WITH THE SUPPORT AND FACILITATION PROVIDED BY BOTH TIQ AND THE BARCALDINE REGIONAL COUNCIL.





The Sky's the Limit!

CONTACT US

outbackaerodrone@rapad.com.au

+61 (0) 427 649 031

OUTBACKAERODRONE.COM.AU