



QUEENSLAND NORTHERN TERRITORY

**IPWEA**

INSTITUTE OF PUBLIC WORKS  
ENGINEERING AUSTRALASIA

**INFORMS. CONNECTS.**  
**REPRESENTS. LEADS.**

# BRANCH CONFERENCE HANDBOOK

## CQ Branch Conference 2022

**Gladstone, 16-17 March 2022**



[www.ipweaq.com](http://www.ipweaq.com)





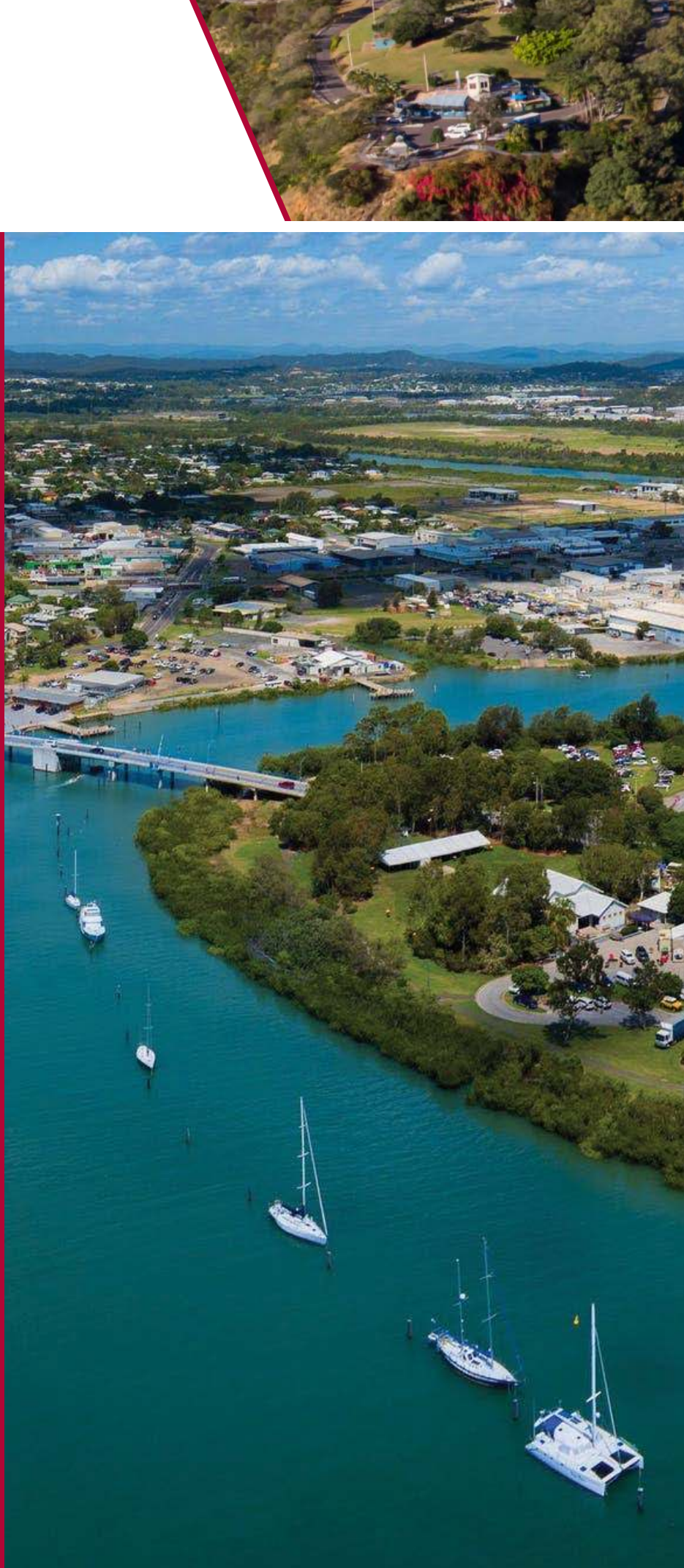
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**IN PARTNERSHIP WITH  
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COUNCIL**



## **Welcome from the Branch President**

We are very pleased to welcome you to the IPWEAQ CQ Branch Conference in Gladstone in partnership with Gladstone Regional Council. This year's conference showcases local projects and activities including a presentation on signature project, Philip Street Communities and Families Precinct by Erickson Noakes and Lee Griffiths, Gladstone Regional Council.

The Welcome Function will take place on Tuesday 15 March – join us for a drink before conference proceedings commence on Wednesday morning! The Branch Conference Dinner on Wednesday 16 March at Auckland House. The dinner includes a self-guided tour at your own leisure of the Gladstone Maritime Museum.

We would like to thank our sponsors including Overall Conference Sponsor Gladstone Regional Council, Morning Tea sponsor, Shepherd, and Name tag sponsor GBA Consulting Engineers.

Your support is invaluable and critical to the success of our conference. We hope you enjoy your time in Gladstone!

**Adam Doherty**

CQ Branch President





## Conference Details

<b>Dates</b>	Tuesday 15 March - Thursday 17 March
<b>Venue</b>	Gladstone Entertainment Convention Centre 56 Goondoon Street Gladstone Central QLD 4680

### About Gladstone

The Gladstone Region is the gateway to the Southern Great Barrier Reef. Like nowhere else, the Gladstone Region is a striking juxtaposition of industry and pristine environment of the world heritage listed Great Barrier Reef, including the iconic Town of 1770/Agnes Water, rural hinterland and striking sandstone wilderness.

Its stunning locations include access to Great Barrier Reef islands and lagoons, including Heron, Lady Musgrave, North West and Wilson, among others. The region is famous for fishing and boating. With Australia's most northerly surf beach, Agnes Water and Town of 1770, proximity to National Parks, laid back coastal villages and rural hinterland lifestyles, make it an attractive destination for holiday makers, sea and tree changers.

With a population of 62,979, the region stages over 200 festivals and events annually, including the famous Brisbane to Gladstone Yacht Race and harbour celebrations, Australia's largest family friendly fishing tournament, the Boyne Tannum Hook-up and destination events, such as the Agnes Blues and Roots Festival, Luminous, Captain Cook 1770 Festival and Under the Trees Festival.

As one of the largest, bulk commodity ports in the world, the Gladstone Region has positioned its strength in large scale industry, resources and energy, engineering and advanced manufacturing with a highly skilled workforce. As a destination featuring a natural deep water port, Gladstone has cruise ship docking capabilities and is now a cruise stop-over destination for over 15 domestic and international cruises annually, with increasing and growing potential in this market.

The region lies on the east coast of Queensland, Australia, within a one hour flight of Brisbane.

### Registration

The registration desk is located at the entrance to the conference centre. Please register early and download this Handbook on your smart phone or tablet.

Registration desk opening times are:

<b>Wednesday 16 March</b>	7:30 am - 8:30 am
<b>Thursday 17 March</b>	8:00 am - 8:30 am

When you register, please purchase your raffle tickets at \$5 each or five tickets for \$20 for Strengthening Rural Communities (SRC) program.

### App

Please download the IPWEAQ CQ Branch Conference App to get the most out of your conference experience. Within the Attendee App you will be able to:

- Review the conference agenda
- Review and amend your registration, including social function attendance
- Search for and message other conference delegates, including Speakers and Exhibitors
- Receive conference alerts
- Access this conference handbook
- Vote for best paper

### Dress Code

Conference program, welcome and branch conference dinner: smart casual, no suits or ties.

### Photography

We will be taking photos throughout the conference and at social functions. Photos taken at the conference may be published in our journal, Engineering for Public Works, on our website and in marketing materials that promote our members, IPWEAQ and our industry. If you do not wish to be photographed, please advise our staff member and move out of camera range. Otherwise, consent is presumed granted. If you would like to arrange a group photo of you and your colleagues, please be sure to arrange this with us.

### Conference Sponsors

We wish to acknowledge our Principal Partners (Department of Transport and Main Roads, Reece Civil, RCPA and Wagners), Enterprise Partners, exhibitors and sponsors for their ongoing support and contribution to our successes. Please see page 13 for our event sponsors.

### Exhibition

The trade exhibition is located as you enter into the conference hall. It is open during registration and all catering breaks.

### Best Paper Award

The winner of the Best Paper award will be voted by delegates. The winner of the Best Paper award will receive a complimentary registration to attend the IPWEAQ Annual Conference to be held in Brisbane at the Brisbane Convention & Exhibition Centre, 11-13 October 2022.

### WiFi

Network: GECC Client  
Password: Welcome2021





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## Dietary Requirements

If you have informed us of any special dietary requirements (vegetarian, vegan, coeliac etc), this information has been passed on to the catering team and any external venues for social events you have registered to attend. Please make yourself known to the catering staff during meal breaks and social functions. All efforts have been made to accommodate your requests.

## Feedback

After the conference, we will email your certificate of attendance with CPD hours stated together with a conference survey form. Your feedback is valued and will guide us for future events. Thanking you in anticipation.

## Conference Contacts

Savannah Roberts 0413 438 846  
Tammi Petre 0458 573 877  
Leigh Cunningham 0449 987 238  
Craig Moss 0431 745 277

**We look forward to welcoming you to the CQ Branch conference in Gladstone! Please share your experiences on social media using #CQ22.**

## Social Events

### Welcome Function

Delegates are invited to an informal welcome.

<b>Venue</b>	Rocky Glen Hotel 7 Dawson Hwy, West Gladstone QLD 4680
<b>Date</b>	Tuesday 15 March
<b>Time</b>	6pm - 8pm

### Branch Conference Dinner

<b>Venue</b>	Auckland House 60 Flinders Parade, Gladstone Central QLD 4680
<b>Date</b>	Wednesday 16 March
<b>Time</b>	6pm - 10pm

## New Members

We would like to welcome our new members (19 April 2021 to 8 March 2022):

John McLennan	Narelle D'Amico
Lukas Rudman	Michael Price
David Cugola	Kaz Chapman-Vagg
Tony Chapple	Melanie Skyring

Ian Swift	Hyun Jin (Joseph) Kim
David Fulton	Adrian Cox
Zoe Studders	Rajat Makhija
Nicholas Chippendale	Aditi Roy
Mitchell Curd	Rijesh Vayalil
Michael Stanton	Sarah Skinner
Paul Webber	Zoe Behrendt
Glen Shaw	Brendan Denham
Niall Tiernay	Jake Thompson
Bill Bruggemann	Arron Walker
Hanno Du Toit	Mostafizur Rahman
George Uren	Mahima Kasinadhuni
Lawrence Mills	Subash Nagarkoti
Ashleigh Christensen	Lok Raj Bhatta
Kristy Patrick	Bboyd Newton
Nathaniel Veenstra	Kirsty Hinchliffe
Kristy Jensen	Jeff Davey
Brendan Denham	Marvin Pacheco
Lindsay Stafford	Mostafizur Rahman
Michael Thomson	Sarah Skea
Andrew Chiknaikin	Brad Taylor
Darren Wilson	

## Membership

## Milestones

Name	Organisation	2021-2022 Advances
Bruce Janke	Bundaberg Regional Council	10 Years
Tony Lau	Livingstone Shire Council	10 Years
Adam Doherty	Dileigh Consulting Engineers	10 Years
Celisa Faulkner	Gladstone Regional Council	15 Years
Ian McMurtrie	McMurtie Consulting Engineers	40 years

## Join IPWEAQ

**Join IPWEAQ this month through to 30 June 2022 (plus GST):**

Member \$130.00  
Graduate \* \$93.33

\* Graduates within five years of graduation, Bachelor's degree

**Annual subscription 1 July 2021 to 30 June 2022:**

\$390 Member, \$280 Graduate



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## Councils and Organisations

We look forward to welcoming delegates from the following councils and organisations:

### Council

- Banana Shire Council
- Bundaberg Regional Council
- Central Highlands Regional Council
- Gladstone Regional Council
- Isaac Regional Council
- Livingstone Shire Council
- Rockhampton Regional Council

### Organisation

- AECOM Australia Pty Ltd
- Asphalt Joint Tape
- Allroads Pty Ltd
- Australian Concrete Mats
- BA Developments
- Boral
- CARDNO Ltd
- Danley
- Davey Engineering Solutions Pty Ltd
- Dileigh Consulting Engineers
- Fulton Hogan Industries Pty Ltd
- GBA Engineers
- Geofabrics Australasia
- GHD Pty Ltd
- GWR Civil Engineering Management
- Harrison Infrastructure Group
- Hartecs Group Pty Ltd
- Holcim (Australia) Pty Ltd
- Huesker Australia Pty Ltd
- Ingal Civil Products
- Interflow Pty Ltd
- Leading Roles
- Local Buy
- LO-GO Appointments
- McBerns Innovative Solutions
- McCullough Robertson Lawyers
- McMurtrie Consulting Engineers
- NB Lawyers
- Orion Solar
- Peak Services
- PelicanCorp
- Premise
- Proterra Group Pty Ltd
- RCPA
- Retex Pavement Services
- Saferoads
- SHEPHERD
- Solutions in Transport
- SPEL Stormwater
- Stabilised Pavements of Australia
- SuperSealing
- Trader One Pty Ltd
- Wagners CFT Manufacturing Pty Ltd







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## Our Partners

### PRINCIPAL PARTNERS



### ENTERPRISE PARTNERS





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## Our Subscribers







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## Our Subscribers





## Program

**Tuesday, March 15, 2022**

6:00 PM - 8:00 PM

**Welcome Function  
Rocky Glen Hotel**

**Wednesday, March 16, 2022**

7:30 AM - 8:30 AM

**Registration Open (Day One)**

### **Session One**

8:30 AM - 8:45 AM

Introduction and Housekeeping  
Adam Doherty, CQ Branch President

8:45 AM - 9:00 AM

Conference Opening  
Cr Chris Cameron, Gladstone Regional Council

9:00 AM - 9:30 AM

Philip Street Communities and Families Precinct  
Erickson Noakes, Strategic Projects Specialist and Lee Griffiths,  
Manager Engagement and Partnerships at Gladstone Regional Council

9:30 AM - 10:00 AM

Gladstone Region Coastal Adaptation Study  
Brent Tangey - Senior Natural Environment Officer and Ali Moore -  
Manager, Environment & Conservation, Gladstone Regional Council

10:00 AM - 10:30 AM

One of Regional Australia's Best – Nature, Community, and Infrastructure: Harmony  
Mostafizur Rahman, Senior Engineer - Electrical and Kris Dahtler - Project Manager,  
Gladstone Regional Council

10:30 AM - 11:00 AM

**Morning Tea  
Sponsored by Shepherd**

### **Session Two**

11:00 AM - 11:30 AM

Disruption in Civil Projects: Misconceptions and Methods of Proof  
Darren Williams - Senior Associate, McCullough Robertson Lawyers

11:30 AM - 12:00 PM

Temporary Traffic Management – Are You Compliant?  
Dr Dan Sullivan - Founding Director, Solutions in Transport Pty Ltd

12:00 PM - 12:30 PM

Demystifying Professional Registration  
Craig Moss - Director Professional Services, IPWEAQ

12:30 PM - 1:30 PM

**Lunch**

### **Session Three**

1:30 PM - 2:00 PM

Community Engagement – More Than Just Consultation – The Cassy Lives Skate Park Project  
Jessica Dennien - Engineer, Gladstone Regional Council

2:00 PM - 2:30 PM

Robust Decisions Delivering Fit for Purpose Investments  
Celisa Faulkner - Manager Asset Planning | Strategic Asset Performance,  
Gladstone Regional Council

2:30 PM - 3:00 PM

SWRRTG Regional Asset Management Strategy  
Stephen Hegedus - Partner/Director Client Services, Shepherd

3:00 PM - 3:30 PM

**Afternoon Tea**





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	<b>Session Four</b>
3:30 PM - 4:00 PM	Humes Water Solutions are Back Stephen Farrington - Central Queensland Sales Manager, Holcim (Australia) Pty Ltd
4:00 PM - 4:30 PM	Geosynthetic Barriers for PFAS Containment: Current Options, Historical Precedents and New Materials Gus Martins - Business Development Manager, HUESKER Australia Pty Ltd
4:30 PM - 5:00 PM	Engineered Geosynthetic Systems for More Cost-effective, Longer-lasting and Sustainable Construction: Experience in Roads and Airfields Zehra Kaya - National Business Manager, Roads and Pavements HUESKER Australia Pty Ltd
6:00 PM - 10:00 PM	<b>Conference Dinner Auckland House</b>

**Thursday, March 17, 2022**

8:00 AM - 8:30 AM	<b>Registration (Day Two)</b>
	<b>Session Five</b>
8:30 AM - 9:00 AM	Risky Business: Integrating Cost to the Risk Management Improvement Program Janice Wilson - Director & Engineer, Double Black Diamond Solutions and Marvin Pacheco - Acting Water Utilities Manager, Central Highlands Regional Council
9:00 AM - 9:30 AM	Emerald Lifeline Implementation – Water Infrastructure Design Development through 3D Modelling Lindsay Stafford - Civil Engineer, AECOM
9:30 AM - 10:00 AM	Yeppoon STP Effluent Upgrade Jeff Davey - Civil Engineer (Director), Davey Engineering Solutions Pty Ltd
10:00 AM - 10:30 AM	Technology Advancements in the CCTV Industry using Artificial Intelligence and Automation John Phillips - Business Development Manager, Interflow
10:30 AM - 11:15 AM	<b>Morning Tea including raffle draw</b>
	<b>Session Six</b>
11:15 AM - 11:45 AM	Investigation Into the Use of Geosynthetics for Subgrade Stabilisation Brendan Denham - Graduate Civil Engineer, McMurtrie Consulting Engineers
11:45 AM - 12:15 PM	Unsealed Roads Maintenance Secrets to Save Time and Money Darren Shepherd - Director Project Services, Shepherd
12:15 PM - 12:30 PM	Conference Close and Best Paper Awarded
12:30 PM - 1:30 PM	<b>Lunch (Day Two)</b>



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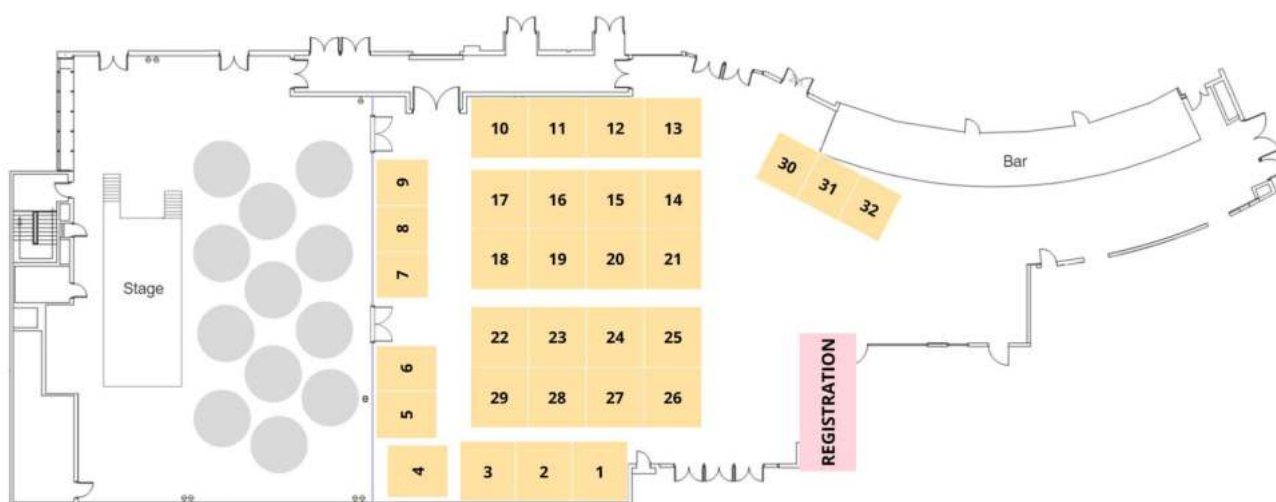
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## Exhibitors

We are delighted to confirm there are 30 exhibitors in Gladstone located as follows.



<b>1</b> SpelStormwater	<b>12</b> Leading Roles	<b>23</b> Local Buy
<b>2</b> SuperSealing	<b>13</b> Boral	<b>24</b> Danley
<b>3</b> Australian Concrete Mats	<b>14</b> NB Lawyers	<b>25</b> LO-GO Appointments
<b>4</b> Solutions in Transport Pty Ltd	<b>15</b> Downer Group	<b>26</b> Reece Civil Cairns
<b>5</b> McCullough Robertson Lawyers	<b>16</b> Vacant	<b>27</b> Geofabrics Australasia
<b>6</b> McBarns Innovative Solutions	<b>17</b> PelicanCorp	<b>28</b> Stabilised Pavements of Australia
<b>7</b> Fulton Hogan Industries Pty Ltd	<b>18</b> Retex Pavement Services	<b>29</b> Proterra Group Pty Ltd
<b>8</b> Wagners CFT Manufacturing Pty Ltd	<b>19</b> Peak Services	<b>30</b> Huesker Australia
<b>9</b> Orion Solar	<b>20</b> Ingal Civil Products	<b>31</b> Holcim/Humes Australia
<b>10</b> Interflow	<b>21</b> RCPA	<b>32</b> Holcim/Humes Australia
<b>11</b> Saferoads	<b>22</b> Asphalt Joint Tape	








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## Sponsors

Thank you again to our wonderful sponsors for this year's CQ Branch Conference.

Sponsorship	Sponsor
<b>Gladstone Regional Council</b> <b>Overall Conference Sponsor</b> <b>(Platinum sponsor)</b>	
<b>GBA Consulting Engineers</b> <b>Name Tag Sponsor</b> <b>(Silver sponsor)</b>	
<b>Shepherd</b> <b>Morning Tea Sponsor</b> <b>(Bronze sponsor)</b>	

## Social Media Handles

We encourage exhibitors to use our handles when posting to social media:

 @IPWEA Queensland     @IPWEAQ     @IPWEAQ     @ipweaq





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## President's Charity - Strengthening Rural Communities

The Strengthening Rural Communities (SRC) program aims to give the thousands of small rural, regional and remote communities across Australia an opportunity to access funding to support broad community needs.

Given the events of summer 2019/20, it has also been expanded to offer funding to support recovery in bushfire-affected communities.

Grants are available for a broad range of grassroots, community-led initiatives that directly and clearly benefit local communities. Applications are accepted on an ongoing basis and assessed quarterly.

We will be selling raffle tickets to raise money for SRC program at 5 for \$20 or \$5 per ticket with winners drawn Thursday morning 17 March.







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# NATIVE TITLE & CULTURAL HERITAGE PORTAL AND RECORD KEEPING TOOL

IPWEAQ's new native title and cultural heritage portals help you comply with the law and avoid acts that will impact on cultural heritage and native title including impairment and extinguishment. The portals establish a methodical, documented, robust process and establish that an appropriate level of thoroughness was applied in determining whether or not to proceed with works.

**Section 51(1) Native Title Act 1993** - an entitlement on just terms to compensate native title holders for any loss, diminution, impairment or other effect of the act on their native title rights and interests.

## i M P A C T

**i** ntegrated  
**M** anagement  
**P** ortal for  
**A** ssessment of  
**C** ultural heritage and native  
**T** itle

## S U B S C R I P T I O N S

Subscriptions now open for the first year of iMPACT!

Annual Subscription	Plus GST
One-off Project Assessment	\$1,000
Councils with less than 25,000 constituents	\$3,000
All other councils, utilities, consultancies and other industry entities eg mining, pastoral.	\$5,000
Access to iMPACT including ongoing capability training to meet your changing needs.	\$10,000

**Public Works Technical Subscription** Apply a 10% discount if your council is a PWTS subscriber.

1. Resource to undertake complex assessments in a logical framework with templates, lists, registers and geo-spatial mapping.
2. Detailed record keeping system which generates a PDF documenting all elements of the assessment including text, maps and photographic evidence which supports the reason for your decision.
3. User friendly portal with a step by step process to ensure infrastructure and other projects comply with legislation which will save you time and money.
4. Interactive site which links to the latest information in government and other databases.

Contact Director, Information & Resources  
📧 Mark.Lamont@ipweaq.com ☎ 3632 6806

    [www.ipweaq.com](http://www.ipweaq.com)



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# Professional Development

Native  
Title and  
Cultural  
Heritage

Urban  
Planning

Traffic  
Engineering

Construction  
Practices

Asset  
Management

Stormwater  
Drainage

Design  
Practices

Professional  
Practice

Construction  
Law

Contract  
Management

Leadership

Finance for  
Technical  
Professionals

## Continuing your professional development

All programs can be  
customised to meet your  
specific needs and delivered  
at your preferred location.

In-House  
Courses

PD packages





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