WELCOME

It is with great pleasure that we welcome you to the 2021 Australian Airports Association’s (AAA) biennial Pavements and Lighting Forum, at the QT Hotel on the Gold Coast.

The AAA Pavements and Lighting Forum forms part of the AAA’s commitment to provide the aviation industry with comprehensive technical training.

This year, the Forum will feature a larger exhibition area with more space for networking between sessions. With a view to increase networking opportunities throughout, there will also be an Exclusive Evening Networking Event taking place on the Wednesday night and a tour of Gold Coast Airport on Thursday.

The AAA team and I are looking forward to catching up with you all after what has been an incredibly challenging year.

Thanks for your continued support.

James Goodwin
Chief Executive
Australian Airports Association

ABOUT THE AUSTRALIAN AIRPORTS ASSOCIATION

The Australian Airports Association (AAA) is a non-profit organisation founded in 1982 in recognition of the need for one coherent, cohesive, consistent and vital voice for aerodromes and airports throughout Australia.

The AAA represents the interests of more than 330 airports and aerodromes Australia wide – from local country community landing strips to major international gateway airports.

The AAA also represents more than 120 aviation stakeholders and organisations that provide services to airports.

The AAA facilitates co-operation among all member airports and their many and varied partners in Australian aviation, whilst contributing to an air transport system that is safe, secure, environmentally responsible and efficient for the benefit of all Australians and visitors.

The AAA is the leading advocate for appropriate national policy relating to airport activities and operates to ensure regular transport passengers, freight and the community enjoy the full benefits of a progressive and sustainable airport industry.
Partnering with leading Airports across Australia

Fulton Hogan are leading contractors in airport pavement construction, surfacing and maintenance.

Experts in heavy duty pavement construction, we combine our extensive technical knowledge and experience to deliver complex projects.

We provide whole-of-life pavement management services at international, domestic, regional airports and defence facilities.

Find out more here: www.fultonhogan.com
Being COVIDSafe is everyone’s responsibility. Please follow COVIDSafe practices when attending the forum and exhibition. The safety of delegates, speakers and staff is our highest priority.

You will be required to check in each day using the ‘Check In Qld App’ upon arrival at the QT Hotel using the provided QR code. This is a Queensland Government requirement.

Enjoy complimentary WiFi
Network: QT-EVENT
Password: QTEvents

You can find the Australian Airports Association on social media

Tag your event social posts with #PL2021

AIRFIELD GROUND LIGHTING

it’s what we do

Airports must be operational around the clock, avoiding unnecessary downtime and making every second count. You can count on the service experts from ADB SAFEGATE to keep your systems running 24/7.

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• Manufacture, supply and installation
• Service and maintenance
• Training
• Annual technical inspections

For all your AGL requirements and turnkey solutions, contact us at australia@adbsafegate.com or +61 (3) 8545 1600.
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ADB SafeGate

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AVIONICS LIMITED

Event Partner

Event Partner & Coffee Station and Catering Partner

Downer

RETEX

Event Partner

Exclusive Evening Networking Event Partner

Printed Program Partner

Lanyard Partner

Queensland Airport Lighting

AVDATA AUSTRALIA

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<td>PAVEMENTS AND LIGHTING FORUM PROGRAM</td>
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<td>0815-0900</td>
<td>REGISTRATION AND EXHIBITION OPEN</td>
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<td>0900-0905</td>
<td><strong>MC WELCOME</strong></td>
<td>Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast</td>
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<td>0905-0908</td>
<td><strong>AAA CHIEF EXECUTIVE WELCOME</strong></td>
<td>James Goodwin, Chief Executive, Australian Airports Association</td>
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<td>0908-0910</td>
<td><strong>AAA NATIONAL CHAIRMAN WELCOME</strong></td>
<td>Tom Ganley, National Chairman, Australian Airports Association</td>
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<td>0910-0915</td>
<td><strong>FULTON HOGAN WELCOME</strong></td>
<td>Michael Thompson, National Manager — Airports/Defence, Fulton Hogan</td>
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<td>0915-0945</td>
<td><strong>UNDERTAKING AIRPORT PROJECTS &amp; DEALING WITH COVID-19</strong></td>
<td>Donna Ghoussain, Safety, Quality, Environmental and Injury Management Manager — Infrastructure Services, Fulton Hogan</td>
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<td>• Planning phase</td>
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<td>• Implementing the system of works</td>
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<td>• Team leadership – COVID in play</td>
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<td>0945-1015</td>
<td><strong>IMPLEMENTING THE CHANGE FROM ACN-PCN TO ACR-PCR</strong></td>
<td>Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast</td>
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<td>• New ICAO pavement strength rating system</td>
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<td>• Examples of changing a PCN to a PCR</td>
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<td>• Cost and benefit to industry</td>
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<td>1015-1100</td>
<td><strong>DESIGNING PAVEMENTS AND LIGHTING AROUND NON-COMPLIANCE AND</strong></td>
<td>Chair: Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast</td>
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<td><strong>CONSTRAINED BUDGETS</strong></td>
<td>David Alm, Principal Electrical Engineer Manager, Aviation and Power (SA), GHD</td>
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<td>Matt Glenn, Aviation Director-Airfields, Aurecon Australia</td>
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<td>Iain Lobegeier, Aerodrome Inspector, Civil Aviation Safety Authority (CASA)</td>
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<td></td>
<td></td>
<td>• The interactions between competing requirements that make absolute compliance impractical and unaffordable</td>
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<td>• When is a non-compliance a technicality and when is it important?</td>
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<td>• The importance of investing in some level of conceptual design before fixing budgets</td>
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<td></td>
<td>• Where there are non-compliances, who/how do we accept them as being insignificant?</td>
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<td>• How does ‘budget constraint’ impact the MOS terminology of ‘as far as practicable’ which is the cut off between doing something that is ‘preferred’ and doing ‘the otherwise limit’</td>
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<td>1100-1130</td>
<td>MORNING TEA AND EXHIBITION</td>
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<td>1130-1155</td>
<td>MELBOURNE AIRPORT TAXIWAY Z UPGRADE</td>
<td>Henry Ashton, Associate Project Manager, Donald Cant Watts Corke</td>
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<td></td>
<td>Tying new taxiway pavement into an operational runway (including</td>
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<td>pavement opportunities presented by the impacts of the COVID-19 pandemic)</td>
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<td>• Expedient pavement construction methodology to deliver new</td>
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<td>• Modifications to methodology to support 32-hour closures</td>
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<td>• Opportunity to undertake five-day closures following COVID-19</td>
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<td></td>
<td>• Opportunity to fund refurbishment of TWY Echo during 12-week closure through savings realised from extended runway closure</td>
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<td>1155-1220</td>
<td>CHALLENGES FOR PROOF ROLLING DURING AIRPORT PAVEMENT CONSTRUCTION</td>
<td>Hudson Anstee, Project Engineer Pre Contracts — Airports and Specialised Pavements, Downer</td>
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<td></td>
<td>• The importance of proof rolling</td>
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<td>• The challenge of smaller rollers and larger aircraft</td>
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<td>• Potential solutions to improve proof rolling capacity</td>
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<td>1220-1245</td>
<td>EXPEDIENT PAVEMENTS FOR AIRPORT PAVEMENT WORKS</td>
<td>Luc Ramalinga, Chief Operating Officer, Antoun</td>
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<td></td>
<td>• Technical review and analysis of the delivery of expedient pavements</td>
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<td>• Review of numbers over this period including gains in strength,</td>
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<td>• Lessons learnt and the performance of laboratory performance of</td>
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<td>• Future of delivery of expedient pavements and commercial — how</td>
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<td>• Planed delivery of automated MOWP segmentation via ILCMS to improve operational control of works areas</td>
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<tr>
<td>1245-1310</td>
<td>UPGRAADING MELBOURNE AIRPORT’S AGL INFRASTRUCTURE</td>
<td>Peter Parsons, Senior Program Manager, Melbourne Airport</td>
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<td></td>
<td>• Lighting upgrades to LEDs and full compliance with MOS 139 CAT III,</td>
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<td>• Major upgrade of AGL control system to support addressable taxiway</td>
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<td>• Coordination with ASA to support update including INTAS adaptation</td>
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<td>• Planned delivery of automated MOWP segmentation via ILCMS to improve</td>
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<td>operational control of works areas</td>
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# PAVEMENTS AND LIGHTING FORUM PROGRAM

## DAY ONE WEDNESDAY 26 MAY

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<td>1630-1700</td>
<td>USC AIRPORT PAVEMENT RESEARCH PROGRAM UPDATE</td>
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<td>Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast</td>
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<td>• Four years of the APRP</td>
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<td>• Outcomes</td>
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<td>• Ongoing work</td>
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<td>• Return on investment</td>
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<td>1700</td>
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For more information email us today pavements@downergroup.com

www.downergroup.com
PAVEMENTS AND LIGHTING FORUM PROGRAM
DAY ONE WEDNESDAY 26 MAY
PAVEMENTS BREAKOUT SESSIONS

1410-1420  WELCOME
Richard Cowley, Pre-Contracts Manager, Fulton Hogan

1420-1440  ALTERNATES TO FLEXURAL STRENGTH FOR AIRPORT CONCRETE ACCEPTANCE TESTING
Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast
• The traditional approach and its cost
• Alternates
• Lab and field trials at Brisbane Airport

1440-1500  AIRCRAFT PAVEMENT — AIRCRAFT WANDERING IMPACT IN DESIGN CONSIDERATION
Louisa Pang, Principal Civil Engineer, Mott McDonald
• Understanding of aircraft wandering impact to airfield pavement
• Theoretical sensitivity check on airfield design with and without wandering impact across airfield — runway, taxiway and parking apron
• Sensibility in adopting the wandering impact adjustment and FAA design principle
• Consistency in design approach across industry in relation with FAA AC150-5320-6F — What is FAA’s advice?

1500-1520  DEFINING AUSTRALIAN RIGID CONCRETE PAVEMENT DESIGN AND CONSTRUCTION PRACTICE
Sean Jamieson, Civil Engineer, Department of Defence
• Australian practices for rigid airport pavements
• Design tools and slab sizing
• Joint types and details
• Concrete strength

1520-1540  DEVELOPMENT OF A DECISION SUPPORT TOOL FOR AIRPORT PAVEMENTS
Ian Thompson, Senior Principal — Pavements, People & Places Solutions, APAC, Jacobs
• Airport pavement management
• Decision support tools
• Pavy
• Examples of use

1540-1600  THE BENEFIT OF JOINT HEATERS FOR AIRPORT SURFACE CONSTRUCTION
Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast
• Hot, warm and cold joints
• Joint heaters
• Field trial of the effects and benefits
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<td>1410-1420</td>
<td>WELCOME</td>
<td>Michael Walter, Sales Manager, ADB Safegate</td>
<td>welcome to the session</td>
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| 1420-1440 | AERONAUTICAL GROUND LIGHTING BREAKOUT SESSIONS                                | Mark van Zomeren, Manager Airfields Section, Assistant Director Estate Engineering Policy, Estate & Infrastructure Group, Department of Defence | - The need for specific AGL competencies  
- Proposed AGL competency types  
- Existing AIS competencies & the gap  
- Gaining competencies  
- Next steps |
| 1440-1500 | CASE STUDY: AERONAUTICAL GROUND LIGHTING BREAKOUT SESSIONS                    | Daniel Anile, General Manager of Projects and Operations, ADB Safegate    | - Importance of Full Turnkey Contractor  
- Stakeholder management  
- Key risks and challenges |
| 1500-1520 | AERONAUTICAL GROUND LIGHTING BREAKOUT SESSIONS                                | David Alm, Principal Electrical Engineer Manager, Aviation & Power (SA), GHD | - AGL arrangement is not covered by AS/NZS 3000  
- Process and responsibilities are not well understood by industry  
- Requirement to prove compliance is being better enforced by regulator and asset owners |
| 1520-1540 | GENERAL DISCUSSION AROUND THE INDUSTRIES (ON GOING) NEED FOR AERONAUTICAL GROUND LIGHTING TECHNICIANS | Craig Bradley, Head Trainer, Airways Training Services                  | - Reducing risk in the airfield workplace  
- 17 Stages of AGL competency  
- Competency process outcomes  
- Basic Airfield Lighting Course  
- Responsibilities of PCBU |
| 1540-1600 | HOW TO APPROACH NON-COMPLIANCES FROM A DESIGNER’S PERSPECTIVE                | David Ashwell, Lead AGL Designer, Beca                                    | - How design non-compliances can be addressed by designers  
- How construction non-compliances can affect project outcomes  
- Recent project examples of non-compliances on a project |
Exclusive Evening Networking Event

WEDNESDAY 26 MAY 2021
5.15PM-8.15PM

Join us for canapes and drinks at the stunning outdoor venue ‘The Green’ at QT Hotel.

With the poolside paradise lapping nearby, this fun and relaxed setting is the perfect spot to network with your industry peers.

Gold Coast Airport Tour

THURSDAY 27 MAY 2021
1.30PM-3PM
(BUS DEPARTS FROM QT HOTEL AT 12.30PM)

Gold Coast Airport is one of Australia’s fastest growing airports, now welcoming more than 6.5 million passengers each year. The airport is the gateway to Australia’s premier tourist destination and its unique location services both South East Queensland and Northern New South Wales.
INNOVATIVE PAVEMENT SOLUTIONS FOR THE AVIATION & ROAD INFRASTRUCTURE INDUSTRIES

With over 20 years experience, we are the premier pavement services company in Australia.

WE OFFER THE FOLLOWING SERVICES:

- ASIC Approved Escorts
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- Anti-Slip and Fuel Resistant Treatments
- Project Management
- Friction Testing & Reporting
- Concrete Curing Compound Removal
- Landside / Airside Works
- Line Removal & Pavement Cleaning
- Pavement Rejuvenation
- Laser Texture Depth Testing
- Skid Resistance Audits
- Pavement Retexturing
- Aviation Line Marking
- Taxiways, Aprons, Runways

Find out more on our website retex.com.au
Contact us on 0477 022 675
We are located at stand booth 1
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<td>0830-0850</td>
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<td>0835-0905</td>
<td>Sunshine Coast Expansion Project — Pavements and Lighting</td>
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<td>Jimmy Low, Leader — Aviation, Tonkin</td>
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<tr>
<td>- Project Summary</td>
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<tr>
<td>- Pavements — dredging, flexible, rigid, trapezoidal grooves and friction</td>
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<tr>
<td>- Lighting — ALER, CMS and ATC interface, Medium Intensity Runway LEDs, runway starter extension</td>
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<td>0905-0935</td>
<td>Leading the Project Team Which Delivered Australia’s First Stone Mastic Asphalt Runway Project</td>
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<td>Salomon Kloppers, Manager Airport, Central Highlands Regional Council (Emerald Airport)</td>
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<td>- An innovative project delivery governance structure</td>
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<td>- Saving money through an iterative costed design process</td>
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<td>- Technical difficulties that had to be overcome in working on the site and with Stone Mastic Asphalt and how they were overcome</td>
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<td>0935-1020</td>
<td>Balancing Sustainability with Performance in Airport Pavements</td>
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<td>Chair: Jimmy Low, Leader — Aviation Tonkin</td>
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<td>Phillip Bell, Civil Engineer, ACG Australia</td>
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<td>Jerry Tan, Blended Products Manager, Downer</td>
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<td>Jaco Liebenberg, Senior Technical Director, Aviation and Pavement Engineering, GHD</td>
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<td>- The desire for sustainable pavements</td>
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<td>- The opportunities for sustainability</td>
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<td>- The risk and benefits</td>
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<td>- The impediments to introducing sustainable pavements to airports</td>
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<td>1020-1050</td>
<td>Morning Tea and Exhibition</td>
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<td>1050-1120</td>
<td>Norfolk Island Airport Pavement Repair/Resurfacing and Lighting Replacement</td>
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<td>Kieren Moss, Director, Aileron Edge</td>
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<td>- Complexity of project delivery in a remote location in the midst of a global pandemic</td>
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<td>- Importation of all materials</td>
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<td>- Pavements both flexible and rigid</td>
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<tr>
<td>- Lighting replacement ALER, CMS, Medium and Low Intensity Runway LEDs, runway starter extension</td>
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PAVEMENTS AND LIGHTING FORUM PROGRAM
DAY TWO THURSDAY 27 MAY

1120-1150 ESTIMATING THE VALUE AND COST OF THE AUSTRALIAN AIRPORT PAVEMENT ASSET BASE
Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast
- The area, type and thickness of the pavements at all of Australia’s 511 paved airports was estimated
- The value was estimated based on the replacement cost and the cost was estimated based on typical maintenance life cycles and rates
- The results quantify the ongoing investment required to maintain this critical infrastructure in an acceptable condition

1150-1155 CHAIRMAN CLOSE
Tom Ganley, National Chairman, Australian Airports Association

1155-1200 MC CLOSE AND WRAP UP
Dr. Greg White, Director, Airport Pavement Research Program, University of the Sunshine Coast

1200-1230 LUNCH AND EXHIBITION

1230-1330 BUSES TO DEPART QT HOTEL TO GOLD COAST AIRPORT

1330-1500 GOLD COAST AIRPORT TOUR
Join us in Sydney for the
AAA National Conference 2021

Hear from aviation experts, network with peers and
discover the latest airport innovations advancing the sector.

FIND OUT MORE AT AIRPORTSCONFERENCE.ASN.AU
MEET OUR SPEAKERS

DAVID ALM
Principal Electrical Engineer Manager, Aviation and Power (SA), GHD

David has worked with GHD since August 1997, having worked with the Commonwealth's Business Unit Works Australia and its predecessors since completing an electrical engineering degree in 1983.

David has significant design, documentation and construction experience in aviation infrastructure which he has developed over the past 30 years, particularly AGL field installation, power supply, control systems and 400 Hz ground power.

David has contributed to aviation projects within Australia, Asia Pacific and the Middle East, has presented at international AGL conferences and has provided training on AGL to several short courses presented here in Australia and overseas. He is currently a member of the AAA's AGL TWG.

DANIEL ANILE
General Manager of Projects and Operations, ADB Safegate

Daniel Anile has a background in electrical engineering. From delivery of largescale turnkey projects, he has worked closely with a large number of airports, contractors and consultants across Australia, New Zealand and the Pacific to deliver high-quality airfield lighting systems from design through to commissioning.

Daniel has most recently completed the Brisbane Airport NPR project for ADB Safegate and has worked on many other large scale AGL projects both in capital cities and Defence bases throughout his 13 years in the industry.

HUDSON ANSTEE
Project Engineer Pre Contracts — Airports and Specialised Pavements, Downer

Hudson Anstee is a Pre-Contracts Engineer in Downer’s Airport and Specialised Pavements team and has been involved in the design and construction of airfield pavements for five years.

Hudson is a chartered civil engineer and an approved Aerodrome Safety Inspector.

In 2020, Hudson commenced a Research Masters at the University of the Sunshine Coast as part of the University’s Airport Pavement Research Program to investigate the compaction and proof rolling of Australian airfield pavements.
HENRY ASHTON
Associate Project Manager, Donald Cant Watts Corke

Henry is an Associate Project Manager at Donald Cant Watts Corke and has extensive design and delivery experience specialising in major civil infrastructure projects. He has 18 years of experience with eight of those managing the delivery of aviation projects at Melbourne Airport and Heathrow Airport.

Henry is the External Project Manager for the Taxiway Zulu Project and has previously project managed the Southern Apron Expansion and Taxiway Victor South for Melbourne Airport.

DAVID ASHWELL
Lead AGL Designer, Beca

David has nine years of experience in electrical engineering consulting supporting major airport projects including airfield ground lighting. He has a strong technical knowledge of lighting, airport electrical infrastructure design and airfield standards. His projects include many notable clients such as Department of Defence, Melbourne Airport, Gold Coast Airport and Sunshine Coast Airport.

David is the lead AGL designer involved in some of the largest airport Projects in Australia including P0007 National Airfields Maintenance Works (NAMW) Project and the Sunshine Coast Airport Expansion Project (SCAEP).

SCOTT BAILEY-ERTURK
Airfield Technical Manager, Melbourne Airport

As the Airfield Technical Manager, Scott is responsible for the Works and Operations Coordination, SME for Airfield Lighting and Commissioning Airfield projects. Scott has worked at Melbourne Airport for the past three years, the first two of which as an Airfield Lighting Officer.

Four years prior to joining Melbourne Airport Scott worked across Australia installing and upgrading airfield lighting systems.
MEET OUR SPEAKERS

PHILLIP BELL
Principal Engineer, Airport Consultancy Group

Phil is a qualified Civil Engineer with a Masters in Pavement Technology. He has more than 25 years’ experience working on airports and civil infrastructure schemes across Australia, Indonesia, Pacific Islands, Dubai and Mongolia. Phil has specialised in airport engineering design for the past 16 years and predominately works in developing innovative, affordable and constructable aircraft assets in remote, regional and challenging locations.

Phil has had lead engineering design and delivery responsibility for airport projects in locations ranging from the tropical Pacific Islands to frozen central Mongolia and arid regions in the Middle East as well as sites around the most remote locations in Australia. Phil leads ACG’s engineering team which includes PhD and Master’s level civil and electrical engineers.

CRAIG BRADLEY
Head Trainer, Airways Training

Craig Bradley is a Charted Engineering Associate with a passion for training, leadership and management.

Craig holds an Advanced Diploma in Electrical Engineering with a background in Defence-related electronic and communication systems and has been an integral part of electronic systems training within the Defence sector for over 15 years.

Craig also has more than 20 years’ experience in airfield lighting and has been involved with AGL projects both domestically and internationally.

DONNA GHOUSSAIN
Safety, Quality, Environmental and Injury Management Manager — Infrastructure Services, Fulton Hogan

Donna has worked in the construction, manufacturing and mining industry for approximately 20 years, bringing extensive operational experience in green, brownfield construction works, earthworks, superstructures, rail, airports, coal, Iron-ore, roadwork, traffic management, risk management, training, investigation, and emergency response.

Donna has an ability to lead and motivate teams by maintaining strong relationships with clients and all other stakeholders.

She also has a history of successfully working with operational teams and management at all levels, utilising supporting and implementing the legislative and system requirements.
MEET OUR SPEAKERS

**MATT GLENN**
Director Aviation, Airfields, Aurecon

Matt Glenn is a Principal Engineer in Aurecon’s Melbourne office and is Director Aviation, Airfields, overseeing all airfield projects globally as well as providing technical guidance to the company’s specialist aviation team.

Matt has more than 20 years’ experience specialising in airfield design, construction and maintenance as well as airport and airfield planning. Matt has been involved in a number of significant airport projects throughout Australia, New Zealand, South Africa and South East Asia.

**SEAN JAMIESON**
Civil Engineer, Department of Defence

Sean Jamieson is a PhD research student at the University of the Sunshine Coast and Airfield Engineering Officer in the Royal Australia Air Force (RAAF). Sean has worked at Defence’s Directorate of Estate Engineering Policy which is responsible for providing airfield and aircraft pavement policy and advice for Defence’s 28 sealed airfields.

In his current role, Sean provides pavement and spatial assessment of uncertified airfields for RAAF operations.

**SALOMON KLOPPERS**
Airport Manager, Central Highlands Regional Council

Salomon is a finance and investment professional now working in the airport industry in Australia. He has experience working for listed and international investment houses and banking groups in a range of senior roles.

Salomon has worked for industry associations in both investment and aviation sectors and he has experience working for and managing regional airports, delivering capital infrastructure projects, as well as leading diverse local government departments. Among others, he completed a range of programs from the Airports Council International, has a BCom (Hons) in Business Management, a Graduate Certificate in Airport Management and a Master of Aviation Management.
JACO LIEBENBERG
Senior Technical Director: Aviation and Pavement Engineering, GHD

Jaco provides a lead role in the project management and delivery of detailed aviation design services throughout GHD. He is an experienced principal engineer with 24 years’ experience in the design and delivery of heavy duty pavement-related infrastructure in Africa, Australia and the Pacific. He regularly provides professional advice to various airport and road pavement projects.

Jaco's involvement in the introduction of crumbed rubber chip seals, foamed bitumen stabilised base layers and use of recycled construction material on airports pavements in Australia indicates his commitment in the development of sustainable but high quality, pavements.

IAIN LOBEGEIER
Team Leader, Aerodromes, Civil Aviation Safety Authority

Iain currently coordinates the aerodrome inspectorate that provides regulatory oversight of Australian aerodromes/airports. Responsibilities of the role include the review of surveillance outcomes and recommendations to the delegate for regulatory approval or exemptions.

Prior to the past six years with CASA, Iain managed operations at Rockhampton Airport for 11 years. This role included project management of maintenance and upgrades for all airside facilities. He was both burdened and assisted in this position by experience in the engineering design offices of Rockhampton and Calliope councils as a municipal engineering designer and supervising designer.

JIMMY LOW
Leader, Aviation, Tonkin

Jimmy Low was the Project Manager (Construction) with the Sunshine Coast Council (SCC) on the Sunshine Coast Airport Expansion Project (SCAEP). Jimmy has degrees in Civil Engineering and Pavement Technology as well as qualifications in project management and airport operations.

Prior to working for Sunshine Coast Council, Jimmy worked with Adelaide Airport Limited as the Projects and Engineering Manager delivering a wide range of projects at Adelaide and Parafield airports. Jimmy is now the National Airports Leader for Tonkin Consulting and continued to work for Sunshine Coast Council to complete the final stages of the SCAEP.
KIEREN MOSS
Director, Aileron Edge

Kieren has been instrumental in the successful delivery of airport infrastructure projects at airports across Australia. He has 30 years’ engineering and project construction experience. Over the past decade Kieren has led consultant aviation infrastructure teams in planning, design and construction of new and existing assets. During this time Kieren has held the roles of Business Director – Airports at Beca, Principal – Airports (ANZ) at Jacobs and is currently Director of Aileron Edge. In all of these roles, Kieren has provided airfield expertise and constructive approach contributing greatly to the successful delivery of airport projects.

Prior to his employment with engineering consultants, Kieren was the Projects Group Manager at Brisbane Airport Corporation, undertaking a range of commissions for major airport infrastructure projects. These ranged from planning studies through to detailed design, documentation and construction.

LOUISA PANG
Principal Civil Engineer, Mott MacDonald

Louisa is a Chartered Professional Engineer of Engineers Australia with Fellowship status. She has 18 years of industry experience specialising in Heavy Duty Pavement Engineering across all transport sectors including airfield, port and highway. She has been involved in various airfield projects in Asia (HKIA, Changi IA, Macao IA and 2nd Bangkok IA), Australasia (Auckland, Brisbane, Melbourne, Gold Coast) and in the Pacific Islands (Tuvalu, Samoa, Vanuatu and Tonga). Louisa specialises in pavement structural evaluation and assessment, forensic investigation, airfield pavement design, construction supervision and providing independent peer review and expert advice. Her recent undertaking was as pavement technical advisor of the Pacific Island Aviation Investment Program in 2019.

PETER PARSONS
Senior Program Manager, Melbourne Airport

As a Senior Program Manager, Peter is responsible for the delivery of critical airfield infrastructure projects at Melbourne Airport. Peter has been working at Melbourne Airport for the past five years leading the infrastructure planning and design for the proposed third runway, while also supporting other airfield projects. Peter is a Chartered Civil Engineer and has 15 years of experience in the planning, design and project management of airfield infrastructure and has worked on airport projects located in Australia, UK, Middle East and Africa.
MEET OUR SPEAKERS

LUC RAMALINGA
Chief Operating Officer, Antoun

Luc’s career in aviation has spanned more than 15 years in leadership roles within Airfield infrastructure and Airport Operations notably as Airfield Manager at Melbourne Airport for more than five years.

Luc is a qualified Civil Engineer and has achieved an Executive MBA from Melbourne Business School. Luc’s current role as Chief Operating Officer is to lead the experienced Antoun team in supporting clients in the aviation sector to manage their critical assets in new innovative ways.

JERRY TAN
Blended Products Manager, Downer

Jerry has more than 12 years’ experience in design and development of asphalt and bituminous products for Downer with a key focus on driving innovation, sustainability and material performance.

Jerry currently manages Downer’s Bitumen Blended Products Division and National Research & Development business unit. His oversight of the R&D business includes specialist asphalt designs for airfield, racetrack and shipping port applications, in addition to recent innovations including 99 per cent Recycled Asphalt and Reconophalt.

Jerry has been recognised nationally across the flexible pavements industry for cultivating high-performing technical teams and maximising client project value through strategy development and implementation of innovative R&D.

IAN THOMPSON
Senior Principal — Pavements, People & Places Solutions, APAC, Jacobs

Ian is Jacobs’ airfield pavement lead in the Asia Pacific Region. Recent projects include Brisbane’s new parallel runway, Olympic Dam new runway, Taxiway Zulu at Melbourne and structural assessment and strengthening of the old parallel runway at Bangalore.

Ian has carried out many pavement condition assessments and has an interest in pavement management and sustainability. This has included the development of the decision support tool “Pavy” — an online program designed to help airport operators make financial decisions about pavement maintenance.
MEET OUR SPEAKERS

MARK VAN ZOMEREN
Manager Airfields Section, Assistant Director Estate Engineering Policy, Estate & Infrastructure Group, Department of Defence

Mark is a skilled Systems Engineer with more than 14 years’ experience working with sustainable energy systems, training facilities, and airfield infrastructure on the Defence estate. Mark is currently the manager of a multidisciplinary team of engineers which makes up the Airfields Policy section for Defence Infrastructure.

With a keen interest in work health safety and the human factors associated with electrical systems, Mark is collaborating with the AAA on the development of a comprehensive competency framework for all personnel who work directly on AGL systems.

GREG WHITE
Director, Airport Pavement Research Program, University of the Sunshine Coast

Dr Greg White is the Director of the Airport Pavement Research Program at the University of the Sunshine Coast. Following a career as an Airfield Engineering Officer in the Royal Australian Air Force, Greg worked for a number of leading Australian design consultants as a Principal Airport Pavement Engineer and then as the Technical Manager Airports for one of Australia’s leading airport construction and surfacing companies.

Greg holds a number of Masters level degrees, as well as a PhD, all earned in the area of pavement materials and engineering.
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<th>VISIT OUR EXHIBITORS</th>
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Contact Details
Fulton Hogan
Michael Thompson
National Manager – Airports / Defence
Website: www.fultonhogan.com
Email: airports@fultonhogan.com or defence@fultonhogan.com.au
Mobile: +61 419 002 406

ADB SAFEGATE is a leading provider of airfield solutions that boost efficiency, improve safety and environmental sustainability and reduce operational costs for airports, airlines and ANSPs. We work with customers to identify performance bottlenecks and jointly solve them through integrated solutions that improve airport and airline performance. These solutions address every aspect from approach to departure – airport traffic handling and guidance, airfield lighting, tower-based traffic control systems, intelligent gate and docking automation, services and advanced analytics.

ADB SAFEGATE has more than 1,100 employees across 45 nationalities in 25 countries and operates in more than 175 countries, serving more than 2,500 airports globally, from the busiest and largest such as Atlanta, Beijing, Dubai, Heathrow, Charles De Gaulle, Amsterdam, Frankfurt, Istanbul, New Delhi and Changi to fast-growing airports across Asia and Africa.

Contact Details
ADB Safegate Australia
8/677 Springvale Rd,
Mulgrave, Vic 3170
Website: www.adbsafegate.com
Email: australia@safegate.com
Phone: +61 3 8545 1600

Airways Training Services is a privately run company training aerodrome personnel since 1992.

Specifically, we upskill the Aeronautical Ground Lighting Services sector offering Basic and Advanced airfield ground lighting courses also AGL Technicians Competent Person Courses and Certification.

We continue to offer these services utilising our training instructors with wide ranging airport industry experience and knowledge.

The courses will ensure your most important asset is being looked after by competent staff who continue to adapt with the technology that is implemented in Australia’s thriving airports.

Airways Training Services ensures your greatest asset is protected. Book your personnel into a relevant course today.

Contact Details
Airways Training Services
Samantha Attard
Office Manager
PO Box 35, Tullamarine Vic 3043
Website: www.airwaystraining.com.au
Email: airways@bigpond.net.au
Phone: +61 487 208 180
At Downer, our customers are at the heart of everything we do. Our purpose is to create and sustain the modern environment by building trusted relationships with our customers. Our promise is to work closely with our customers to help them succeed, using world-leading insights and solutions. With a history dating back more than 150 years, Downer designs, builds and sustains assets, infrastructure and facilities and we are the leading provider of integrated services in Australia and New Zealand.

At Downer, we are committed to providing high-quality services to our commercial and Defence airfield clients, delivering construction and maintenance of flexible and rigid airfield and landside pavements, as well as HV electrical and AGL infrastructure.

Downer has a proven history of successfully delivering these services under managing contractor, design and construct, ECI head contract and construct only commercial models.

As one of Australia’s major manufacturers and suppliers of bitumen-based products, we deliver airfield-grade binders, asphalt and emulsion products to our projects through Downer’s extensive national network of fixed and mobile plants.

Contact Details
Downer
Callum Bollard
Pre-Contracts Manager — Airports & Specialised Pavements
Road Services
Website: www.downergroup.com
Email: callum.bollard@downergroup.com or pavements@downergroup.com
Mobile: +61 418 278 175

Avionics are changing the airfield, Defence, Shipping Ports, Construction/Transport Systems for Industries throughout Australia, and SE Asia.

Our commitment is to put safety and health above all else. We care about our clients, our people and the communities in which we work. As experts in our fields, we understand the risks attached to any project we undertake and work to mitigate those risks from the start. We have the know-how, tools, systems and process to make your project a success.

Our vision is to lead the way in first class lighting technology products and services by harnessing the power of innovation and technology.

Avionics — Lighting The Way

Contact Details
Avionics Airfield Lighting
Daniel Callard
Sales & Marketing Manager
U6, 10/18 Ocean Street, Botany
NSW 2019
Website: www.avionicslimited.com
Email: daniel.callard@avionicslimited.com
Phone: +61 428 976 628

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Downer also provides expert project management services, engineering advice in soil and pavement stabilisation, capital infrastructure upgrades, pavement recycling and outsourced facilities management of road, terminal and airfield assets.

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- Friction Testing
- Pavement Retexturing
- Laser Texture Depth Assessment
- Linemarking Paint Removal

RETEX operate a range of specialised equipment located in most states and territories of Australia, providing national coverage to all civil aviation and Defence facilities. All personnel are experienced and ASIC cleared and all equipment is fully insured for airside operations. RETEX can provide a full suite of programmed maintenance services for runways and airfield pavements. RETEX operate a SARSYS Friction Tester delivering fully ICAO compliance test assessments of airport pavements. This surface friction tester delivers real-time hard copy results for immediate assessment and electronic spreadsheet data for maintenance programming. Your one-stop airfield pavement maintenance team.

**Contact Details**
RETEX Pavement Services
George Kyriakakis
General Manager
353/52 Currumbin Creek Road,
Currumbin Qld 4223
Website: www.retex.com.au
Email: george@retex.com.au
Phone: +61 401 909 950

Avdata’s expertise in airport data reporting and billing services has been built up over three decades of experience in the industry. We began our billing service in 1989 and now provide services to more than 180 airports across Australia. Avdata collects and manages air traffic data from multiple sources including audio recorders and gives you easy access to the information you need. We specialise in tailored solutions, with in-house programming capacity so that our system can be set up to meet your requirements. We understand the challenges faced by local councils and airport managers and have a long-standing commitment to services for regional and remote communities.

**Contact Details**
Avdata
Bron Wiseman
Chief Operating Officer
Unit 9C, 189 Flemington Road,
Mitchell ACT 2911
Website: avdata.com.au
Email: mail@avdata.com.au
Phone: +61 2 6262 8111
Mobile: +61 490 846 311

Tonkin is a leading provider of integrated, multidisciplinary engineering services for airport operators.

We have a long, successful history in aerodrome design and construction, dating back to the original Kangaroo Island Airport upgrade in 1984.

Tonkin delivers exceptional outcomes for our clients across Australia throughout the life cycle of aviation facilities, including technical feasibility of new facilities, engineering design of airside and landside facilities, construction stage services and asset management services for existing facilities.

With extensive experience in regional project delivery, we help connect people in rural and remote areas with best-in-class airport solutions.

Learn more about how we can help you at tonkin.com.au/expertise.

**Contact Details**
Tonkin
Jimmy Low
Leader – Aviation | Senior Engineer
Website: www.tonkin.com.au
Email: Jimmy.low@tonkin.com.au
Phone: +61 8 8132 7547
Mobile: +61 436 437 924
We may not be the biggest but we are the best.

Queensland Airport Lighting provides specialist support services for all airfield lighting-related requirements. We utilise tested and proven processes and methods for design, installation, commissioning and maintenance of all infrastructure assets. Using innovation, and technology, combined with our “One Team Approach” mentality we are considered benchmark service providers capable of delivering a holistic life cycle expectation for new or existing facilities.

Our commitment to Industry Best Practice is unparalleled by any other organisation.

Products and Services:
- AGL Asset Maintenance Planning & Monitor
- AGL Asset Condition Appraisal & Risk Management Evaluation
- AGL New Facility Construction
- Pilot Activated Lighting Controls
- Pit & Duct Construction
- Cable hauling using dynamometer
- Primary Circuit evaluation
- GPS/GIS Interactive Maintenance Systems
- AGL Control & Monitoring Systems
- Technical Auditing

Contact Details
Queensland Airport Lighting
Website: https://qal.net.au
Email: admin@qal.net.au
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Contact Details
ADB Safegate Australia
8/677 Springvale Rd, Mulgrave,
Vic 3170
Website: www.adbsafegate.com
Email: australia@safegate.com
Phone: +61 3 8545 1600

Booth 5
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We continue to offer these services utilising our training instructors with wide ranging airport industry experience and knowledge.

The courses will ensure your most important asset is being looked after by competent staff which continue to adapt with the technology that is implemented in Australia’s thriving airports.

Airways Training Services ensures your greatest asset is protected.

Book your personnel into a relevant course today.

Contact Details
Airways Training Services
Samantha Attard
Office Manager
PO Box 35, Tullamarine Vic 3043
Website: www.airwaystraining.com.au
Email: airways@bigpond.net.au
Mobile: +61 487 208 180

Booth 12
Airport Lighting Specialists has been providing comprehensive services to aerodromes since 1990.

Our staff have extensive experience in airport lighting, with technical training and practical knowledge to support our products.

Airport lighting is our only business. We can supply everything needed to light your runway, from project packages to spares and assistance.

We are proud to offer Australian made project packages which include LED runway, taxiway and PAPI lights manufactured locally by Airport Lighting Specialists.

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Factory 5 / 20 Peel St, Eltham,
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We are an internationally diverse civil construction and engineering business which focuses on bringing advanced technologies and innovative solutions to our clients. As the authority in mission-critical infrastructure, our specialised and experienced team utilises our E6 Methodology® to solve infrastructure challenges for your most important assets. For our clients, this means a job done right with minimal loss of revenue, whether that’s dealing with the complexity of replacing concrete slabs on your aprons and taxiways overnight or restoring critical infrastructure.

Contact Details
Antoun
Luc Ramalinga
Chief Operating Officer
Email: luc.ramalinga@antoun.com.au
Mobile: +61 419 750 291

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Botany NSW 2019
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COLAS Australia combines local knowledge with the expertise from being part of a world-leading transport infrastructure group, to provide our customers with safe sustainable solutions for their airport pavements. This is achieved through our local subsidiary companies with the provision of spray sealing and asphalt contracting in conjunction with pavement preservation solutions such as Microsurfacing and Sealcoat. As a fully integrated bituminous materials business we are also able to offer specialised binders for use in airport environments.

Contact Details
COLAS Australia
Unit 2, 3-5 Gibbon Road,
Winston Hills, NSW 2153
PO Box 184, Winston Hills, NSW 2153
Website: www.colas.com.au
At Downer, our customers are at the heart of everything we do. Our purpose is to create and sustain the modern environment by building trusted relationships with our customers. Our promise is to work closely with our customers to help them succeed, using world-leading insights and solutions. With a history dating back more than 150 years, Downer designs, builds and sustains assets, infrastructure and facilities and we are the leading provider of integrated services in Australia and New Zealand.

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Booth 3

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Fulton Hogan
Michael Thompson
National Manager – Airports / Defence
Website: www.fultonhogan.com
Email: airports@fultonhogan.com.au or defence@fultonhogan.com.au
Mobile: +61 419 002 406

Booth 7
The HUESKER Group is one of the world’s leading manufacturers of geosynthetics with a corporate head office located in Gescher, Germany, and a local Australian subsidiary.

HUESKER provides innovative and specialised solutions for roads and pavements, earthworks and foundations, mining, hydraulic engineering, environmental engineering as well as industrial and agricultural applications.

With decades of global experience in rehabilitation and construction of airport pavements, HUESKER offers high-quality reinforcing geosynthetics, including the renowned HaTelit® technology for effective asphalt reinforcement which has proven its engineering performance at Australian airports.

**Contact Details**

HUESKER Australia
PO Box 593, Coolum Beach QLD 4573
Website: www.huesker.com.au
Email: office@huesker.com.au
Phone: +61 7 3088 8000

JJ Ryan Consulting specialises in infrastructure planning, design, construction, operations management and whole-of-life asset management. We are experts at integrating innovative solutions with our considerable engineering and operational expertise to deliver various airside and landside aviation projects, providing advice for airport operators, airlines, investors, developers and regulators. We are proud to have designed and developed Airspace Lab — innovative software that combines visualisation of airport safeguarding surfaces with technical reviews to mitigate the risk of impacting protected airspace.

**Contact Details**

JJ Ryan Consulting Pty Ltd
Suite 1.02, Level 1, 10 Femtree Place, Notting Hill, VIC 3168
Website: https://jjryan.com.au
Email: enquiries@jjryan.com.au
Phone: +61 3 9850 8979

Gold Coast Address
Suite 3/39-41 Nerang St, Nerang, QLD 4211
Phone: +61 7 5536 5905

Sydney Address
Level 5, 203-233, New South Head Road, Edgecliff NSW 2027
Phone: +61 2 8252 6597

Orion is a supplier of LED aviation lights for airport and obstruction lighting at commercial airports, Air Force bases, general aviation airports and obstruction landmarks throughout Australia and the Pacific. Orion has been supplying stand alone lighting systems since 2004 with our main Partner being Flash Technology from the US. Approach lighting, runway, threshold, PAPI, taxiway, apron and Strategic Expedient Aviation Ground Lighting are just a few of our products. Stand alone lighting systems for windsock, car park, area and street lighting are also available.

**Contact Details**

ORION
Richard Holliday
Managing Director
Unit 36, 30 Mudgeeraba Road, Worongary QLD 4213
Website: www.orionsolar.com.au
Phone: +61 7 5559 1666
Mobile: +61 414 982 116
MEET OUR EXHIBITORS

Booth No. 9

We may not be the biggest but we are the best. Queensland Airport Lighting provides specialist support services for all airfield lighting-related requirements. We utilise tested and proven processes and methods for design, installation, commissioning and maintenance of all infrastructure assets. Using innovation, and technology, combined with our "One Team Approach" mentality we are considered benchmark service providers capable of delivering a holistic life cycle expectation for new or existing facilities. Our commitment to Industry Best Practice is unparalleled by any other organisation.

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- AGL Asset Condition Appraisal & Risk Management Evaluation
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- Cable hauling using dynamometer
- Primary Circuit evaluation
- GPS/GIS Interactive Maintenance Systems
- AGL Control & Monitoring Systems
- Technical Auditing

Contact Details
Queensland Airport Lighting
Website: https://qal.net.au
Email: admin@qal.net.au
Phone: +61 7 4775 6711

Booth No. 1

RETEX Pavement Services is a specialist contractor to the airport industry providing:
- Rubber Removal
- Friction Testing
- Pavement Retexturing
- Laser Texture Depth Assessment
- Linemarking Paint Removal

RETEX operate a range of specialised equipment located in most states and territories of Australia, providing national coverage to all civil aviation and Defence facilities. All personnel are experienced, and ASIC cleared and all equipment is fully insured for airside operations. RETEX can provide a full suite of programmed maintenance services for runways and airfield pavements.

RETEX operate a SARSYS Friction Tester delivering fully ICAO compliance test assessments of airport pavements. This surface friction tester delivers real-time, hard copy results for immediate assessment and electronic spreadsheet data for maintenance programming. Your one-stop airfield pavement maintenance team.

Contact Details
RETEX Pavement Services
George Kyriakakis
General Manager
353/52 Currumbin Creek Road,
Currumbin Qld 4223
Website: www.retex.com.au
Email: george@retex.com.au
Mobile: +61 401 909 950

Booth No. 14

Specialising in crack sealing and pavement preservation treatments, SuperSealing uses world-leading technologies to preserve, protect and transform your pavements.
- Preservation – SuperSealing preserves, protects and transforms your pavement assets to extend their life and look great!
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Contact Details
SuperSealing Pty Ltd
13 Wadhurst Drive, Boronia VIC 3155
PO Box 2284, Bayswater VIC 3155
Email: supersealing@supersealing.com.au
Phone: +61 3 9801 1622
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