

AVIONICS GROUP



avionicslimited.com

AVIONICS[®]
LIMITED
LIGHTING THE WAY



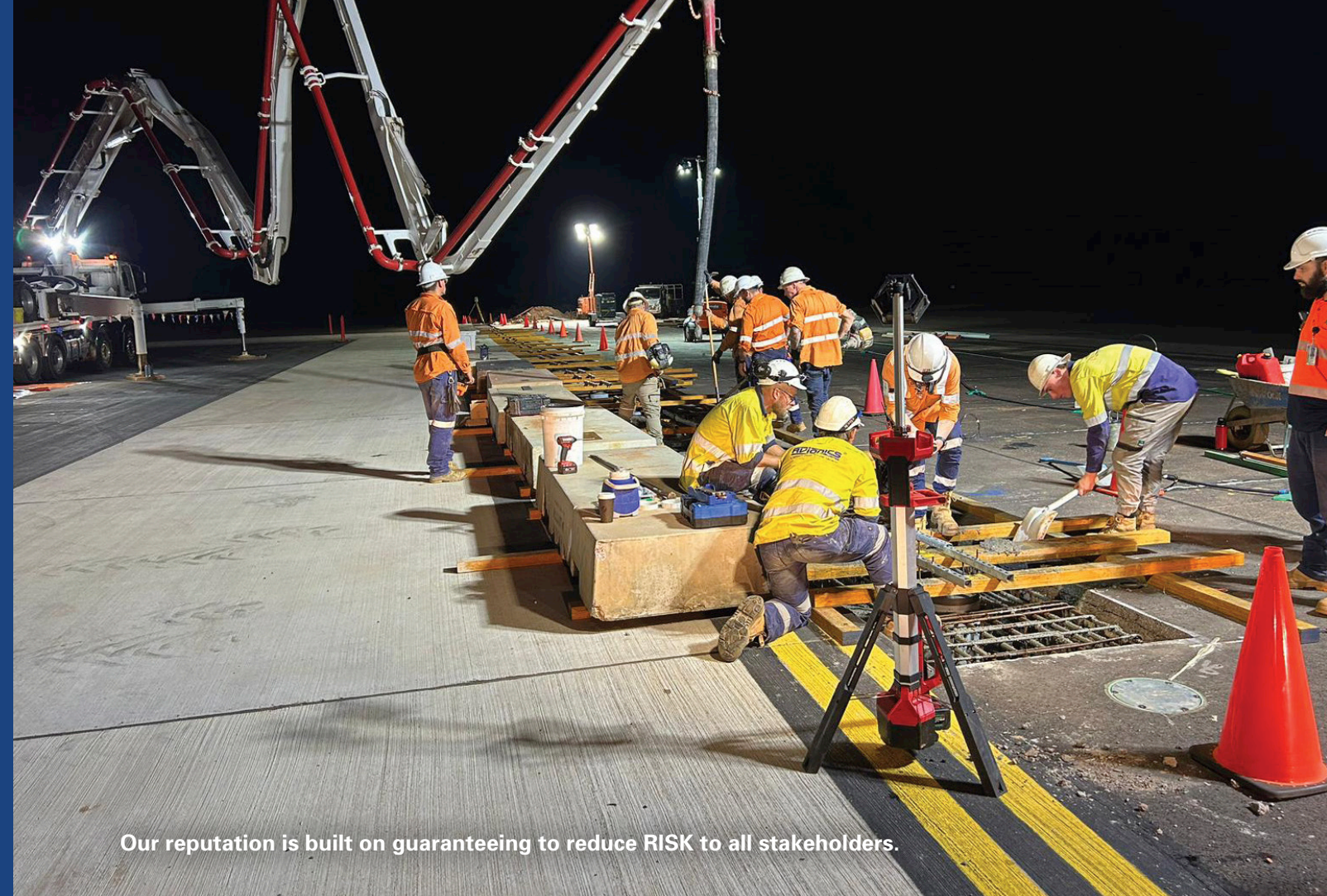
Nick Brumley
Founder & Managing Director

AVIONICS LIGHTING THE WAY

"We are the experts in airfield infrastructure. No one understands airport operations like Avionics. We specialize in building, replacing, and modifying existing airfield systems to set benchmark standards. Our expertise removes the risk from delivering complex, multi-million-dollar airfield projects. When it comes to critical airport infrastructure, Avionics delivers with unmatched experience and knowledge."

"Since 2007, we have been continuously growing and enhancing our capabilities with new ideas and concepts that improve installation productivity and techniques, all while upholding the highest safety standards"

Nick Brumley



Our reputation is built on guaranteeing to reduce RISK to all stakeholders.

At the Avionics Group, we excel in the Supply, Installation, Commissioning and Maintenance of Comprehensive Aeronautical Ground Lighting (AGL) system. Our expertise spans designing, planning, and completing all civil works associated with the AGL system, ensuring seamless integration and optimal performance. We understand the critical role of AGL systems in airport operations. Our dedication to excellence and safety ensures that your airfield infrastructure meets the highest standards, providing a safe environment for all stakeholders.



Shane Webb
Executive Director





Our Maintenance Execution Plans developed since 2014, will ensure your airfield lighting system always remains compliant.



AGL Maintenance Technicians at Sydney Airport

AERONAUTICAL GROUND LIGHTING MAINTENANCE DIVISION

REDUCING RISK ON YOUR MOST VALUABLE ASSET

Avionics currently complete all Preventative and Corrective Maintenance on Sydney Airport. Since 2014 we have now divisionalised maintenance with specific expertise expanding as far as the Torres Strait Island.

Avionics are helping major airports bridge the gap in managing corrective maintenance and meeting the latest MoS139 requirements.



MOB COR Hp



AVIONICS MAINTENANCE PHILOSOPHY IS BUILT IN SIX COMMITMENTS

1. Work in a Safe & Reliable Manner
2. Work within the airport AGL operational management framework.
3. Optimise the life of all the airports AGL assets.
4. Comply with a statutory requirement relating to the AGL assets and Avionics provided services.
5. Ongoing improvement in the quality and reliability of all Avionics provided services.
6. Operate in an environment sustainable and responsible manner



Greg McGirr
Maintenance Manager





Sunshine Coast Airport – New Runway

RAAF Richmond Apron Lighting Upgrade

AERONAUTICAL GROUND LIGHTING TURNKEY SOLUTIONS

Avionics core business is the supply, installation and commissioning of airfield lighting and related products. Our experience includes outstanding results in the following area:

- Airfield Infrastructure - Off Pavement Pit & Duct Systems
- Installation and modification of Airfield Lighting Control Systems
- IN Pavement trenching (80mm wide) and coring for light fitting installation
- Shallow Base and Multi-Section Base Taxiway & Runway light installation
- Cabling, including primary, secondary, control cables and series isolating transformers
- High Intensity Approach Lighting Systems (HIALs)
- Illuminated Wind Direction Indicator
- Design of Apron High Mast Floodlighting, including ewo LED Apron lighting solutions.
- ALER Airport Lighting Equipment Room Construction & Upgrades
- PAPI Precision Approach Path Indicators
- Movement Area Guidance Systems
- Advanced Visual Docking Guidance System
- Aerobridges
- Installation of ILS and navigational aid systems, including earth mats
- Under boring and open cut duct crossings in asphalt and concrete pavements.



Blake Hulbert
General Manager AUSPAC



DEFENCE

“Keeping Australian Defence Force Airfield Ready”

Avionics can provide expert aeronautical ground lighting installation for defence airfield where updates are required.

Avionics have extension experience since 2008 upgrading the following Australia Defence Airforce bases:

- RAAF Base Williamtown (NSW)
- Army Aviation Centre Oakey (QLD)
- RAAF Base Amberley (QLD)
- RAAF Base Scherger (QLD)
- RAAF Bases Pearce (WA)
- RAAF Base Gin Gin (WA)
- RAAF Base Darwin (NT)
- RAAF Woomera Aerodrome (SA)
- HMAS Albatross (NSW)
- RAAF Base Curtin (WA)
- RAAF Base Richmond (NSW)
- RAAF Base East Sale (VIC)
- RAAF Base Williams (VIC)
- RAAF Base Learmonth (WA)
- RAAF Base Tindal (NT)

Our defence experience is unrivalled in the region and includes outstanding results.



Michael Chalker
Operations Manager





AVIONICS

HONG KONG AIRPORT
3RS PROJECT.

AGL INFRASTRUCTURE

HONG KONG AIRPORT DIVISION

AVIONICS BEGAN OPERATIONS IN HONG KONG IN LATE 2020, TASKED WITH SUPPLYING AND INSTALLING THE COMPLETE AERONAUTICAL GROUND LIGHTING SYSTEM INFRASTRUCTURE FOR THE NEW THIRD PARALLEL RUNWAY AT CHEK LAP KOK AIRPORT (3RS).

香港

HONG KONG
AIRFIELD LIGHTING



Hong Kong: Mid Can Installation to 3RS New Runway

HONG KONG 3RS PROJECT OVERVIEW

The 3RS project was more than a new runway. Its scale was almost equivalent to building a new airport to the existing one. It involves:

- The 3RS project required the supply and installation of 7,700 12" diameter FAA MultiSection Cannisters and the installation of over 110kms of conduit connecting the runway taxiway and apron lighting system.
- Reclamation of approximately 650 hectares of land north of the existing airport island (equivalent to 34 Victoria Parks, or 100 artificial islands for the New Wing of Hong Kong Convention and Exhibition Centre). Non-dredge methods, including deep cement mixing technique will be used for reclamation.
- Building a 3,800-meter-long new runway and its supporting taxiway systems. The existing north runway will also be reconfigured.



Lachlan Jackman
General Manager SE Asia

- Expansion of the existing Terminal 2 to provide arrivals, departures and full-fledged passenger services.
- Expansion of Existing North Runway to the Central Runway, including new taxiways, aprons and lengthening of existing runway pavements and lighting systems.

Upon the completion of the 3RS, HKIA will be able to serve 30 million additional passengers annually as forecasted in the HKIA Master Plan 2030.



Terry Mak
Project Manager Hong Kong



RMAF BUTTERWORTH INFRASTRUCTURE PROJECT

MALAYSIA/PENANG

Avionics together with Malaysian Tier One Contractor Fajarbaru Builder Group Bhd has secured a contract from Australian Department of Defence to redevelop military facilities at the Royal Malaysian Air Force (RMAF) Base Butterworth, Penang, Malaysia. The project firmly establishes Avionics in the Southeast Asia Region.



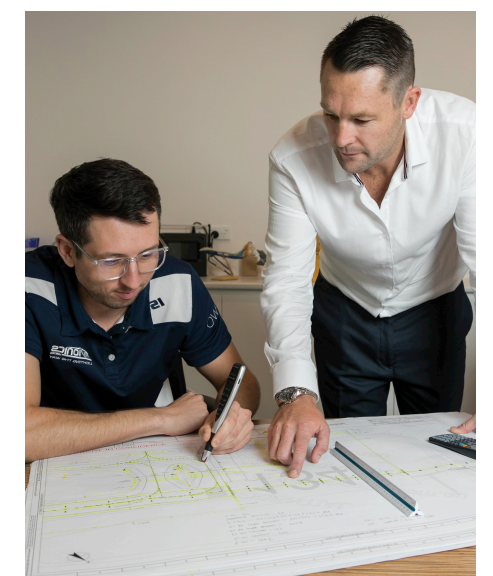
Ferhat Kose
Malaysia Project Manager



ADVANCED VISUAL DOCKING GUIDANCE SYSTEMS (A-VDGS)

Avionics' key employees and management possess 22 years of experience in supplying, installing, integrating, and commissioning the FMT, now Thyssenkrupp Visual Docking Guidance System (TK VDGS), and more recently, the Honeywell A-VDGS.

Additionally, Avionics has successfully fulfilled long-term maintenance contracts for VDGS with Qantas in Sydney and Melbourne, Australia.



Matej Svacko and Blake Hulbert
Design & Technical Director and
General Manager

SUPPLY

Avionics supplies a diverse selection of high-quality aeronautical ground lighting components sourced from reputable, premium manufacturers, such as:

SEAMLESS COLLABORATION

Avionics has long term association and collaboration with our supply partners to ensure seamless execution and delivery to meet customers & projects needs. Our focus on integrating cutting edge technology from our suppliers, enhances our abilities to provide a more efficient and productive AGL system to the airports we work on. By leveraging the expertise of these renowned suppliers, we guarantee superior solutions the highest industry standards.



Robert Grozdanovski
Sales & Marketing Manager



AV 100L Elevated Runway Edge Light



Runway Threshold Identification Light



IWDI LED 50W Floodlight

AVIONICS RANGE

To meet Australia's regional low intensity light range requirements, Avionics has developed our own LED system. We now have a full runway lighting system, compliant and certified to MOS139 Standards. Whether you want a taxiway hold point, 500m of cable and 20 SITs, plugs and sockets or 100kms of cable, we can provide the right solution to your door.

If you want to revolutionise your airfield lighting system – Contact Avionics.





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