



AVIONICS **GROUP**

avionicslimited.com

AVIONICS[®]
LIMITED
LIGHTING THE WAY



Nick Brumley
Founder & Managing Director

AVIONICS LIGHTING THE WAY

"We are the airfield infrastructure specialists. Our understanding of airport operations is unsurpassed. We build / replace / modify existing aeronautical ground lighting systems to benchmark setting standards. We greatly reduce the risk from airport operators in delivering complex multi-million dollar schemes to critical airfield infrastructure.

We are continually growing (since 2007), improving with new ideas and concepts that we turn into reality. This ensures we are improving productivity rates and construction techniques whilst maintaining the highest safety standards. "

Nick Brumley



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

The Avionics Group are specialists in the supply, installation, commissioning & maintenance of end-to-end Aeronautical Ground Lighting (AGL) systems.

We can design, plan and complete all your civil works associated with the AGL system, supplying the world's leading branded AGL equipment. We don't just think about supplying one component, however, we consider the entire system and how each part performs with another. This experience and know-how, results in years of interruption-free operations on the airfield.



Lenny Ward
Group Financial Controller





AERONAUTICAL GROUND LIGHTING MAINTENANCE DIVISION

REDUCING RISK ON YOUR MOST VALUABLE ASSET

Avionics currently complete all preventative and corrective maintenance at Sydney Airport, Australia's largest airport since 2014. Avionics now offers divisionalised maintenance, with specific expertise expanding as far as the Torres Strait Islands

Avionics are filling the gap for major airports that are struggling to keep up with corrective maintenance and the latest MoS139 requirements.

MOBCORHp



Avionics Maintenance Philosophy upholds 6 key commitments:

1. Work in a safe and reliable manner.
2. Work within the airport AGL operational management framework.
3. Optimise the life of all the airports AGL Assets.
4. Comply with all statutory requirements 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 environmentally sustainable and responsible manner.



Nick Foley
Maintenance Manager



Sydney Airport Construction at night

RAAF Richmond Apron Lighting Upgrade by Avionics and EWO



Avionics Self Levelling Jig

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 areas:

- 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 (HALs)
- 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
- Underboring and open cut duct crossings in asphalt and concrete pavement



Shane Webb
Executive Director

DEFENCE

Avionics can provide expert aeronautical ground lighting installation for defence airfields where upgrades are required.

Avionics have extensive experience since 2008 upgrading the following Australian 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)
- HMAS Albatross (NSW)
- RAAF Base East Sale (VIC)
- RAAF Base Williams (VIC)



Blake Hulbert
General Manager

Our Defence Experience is unrivalled in the region and includes outstanding results.

Keeping Australian Defence Force Airfields Ready.



AVIONICS

THE AGL
INFRASTRUCTURE
SPECIALISTS

HONG KONG AIRPORT DIVISION

Avionics commenced Operations in Hong Kong in late 2020, being engaged to supply and install the entire Aeronautical Ground Lighting System Infrastructure for the new 3rd Parallel Runway at Chek Lap Kok Airport (3RS Project).

香港
HONG KONG
AIRFIELD LIGHTING



Hong Kong: Mid Can Installation to 3RS New Runway

HONG KONG 3RS PROJECT OVERVIEW

The 3RS project is more than a new runway. Its scale is almost equivalent to building a new airport next 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 systems.
- 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.



Lachlan Jackman
Senior Project Manager (Hong Kong)

- Building a 3,800-meter-long new runway and its supporting taxiway systems. The existing north runway will also be reconfigured.
- 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.
- Construction of other associated airport support infrastructure, road network and transportation facilities.

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.



Simon Yip
Commercial Manager (Hong Kong)



PASSENGER BOARDING BRIDGES AEROBRIDGES AND GANGWAYS

We can provide effective supply and installation solutions for your Aerobridge or Cruise Ship Gangway needs.



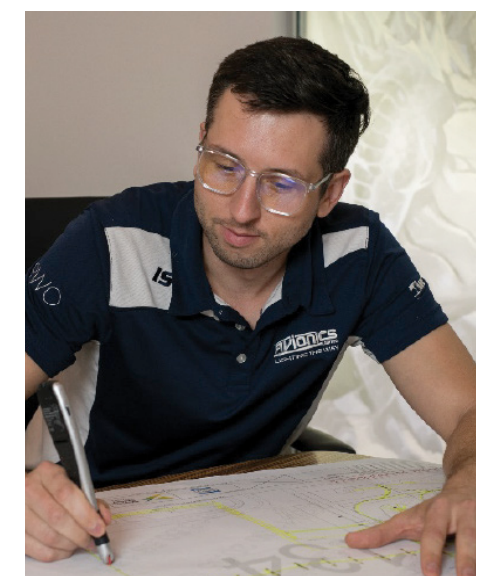
Michael Chalker
Director of Operations



ADVANCED VISUAL DOCKING GUIDANCE SYSTEMS (A-VDGS)

Avionics Key Employees and Management have 22 years experience in supplying, installing, integrating and commissioning the FMT now Thyssenkrupp Visual Docking Guidance System (TK VDGS) and more recently the Honeywell A-VDGS.

Avionics has also completed long standing Maintenance Contracts for VDGS with Qantas in Sydney and Melbourne.



Matej Svacko
Avionics Design & Technical Director



Melbourne Airport Illuminated by EWO LED Large Area luminaires

AGL SUPPLY

Avionics supply a wide range of Quality Aeronautical Ground Lighting Components from reputable high end companies including: .



Daniel Callard
Sales Manager



The above sequence of photographs shows the bonding strength of Weber Tec Grout. A standard 8" diameter shallow base has been installed in asphalt pavement using Weber Tec Grout. Using a jack, a pole is attached to the lid of the base and after 5.9 Tonnes of force is applied to the jack, the surrounding pavement cracks and fails before the base is pulled away from the Weber Tec product. Contact Avionics for more information on this product.





Avionics Airfield Lighting, are specialists in the supply, installation, commissioning & maintenance of aeronautical ground lighting (AGL) & related systems.

Setting benchmarks for installation and safety, integrating simple to the most complex AGL systems. Avionics reduce airport operators RISK.

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