



AVIATION PROJECTS

Leading advisors on aviation safety, security, efficiency and sustainability



Your Aviation Projects Partner

A team of aviation experts, our consultants have collectively accumulated decades of experience in the industry, including as pilots for international airlines and the military.

This specialised knowledge and comprehensive understanding of all aviation matters is coupled with the team's ability to build trusted relationships to provide clients with exact solutions.

With flying in our DNA, we understand how aircraft operate and can apply our expertise to focus on delivering safe, secure, efficient and sustainable outcomes.

Aviation Projects has a local presence in key locations across Australia and can manage assignments across Australia and the Pacific region.

Aviation Projects is a Member of the Australian Airports Association.

MEMBER 2015-2016 AUSTRALIAN AIRPORTS ASSOCIATION



Your Aviation Projects Solution

Aviation Projects partners with airport owners, operators, regulators, governments and service providers to bring specialist, technical knowledge on the safety, security,

efficiency and sustainability of airports, aircraft operations and airspace.

With unique insight, experience and specialist knowledge, the Aviation Projects team delivers innovative design solutions for airport upgrades, master plans, risk management for new and existing airports, wind farms, and building developments that affect airspace.

Our services cover:

- Airport planning and design
- Aerodrome safeguarding
- Aeronautical studies and risk management
- Wind farms and infrastructure
- Flying operations
- Airspace
- Expert witness services

Your Aviation Services

Airport Planning and Design

Aviation Projects approaches airport planning and design by drawing on intimate

knowledge of how aircraft operate in the sky and on the ground.

Our recommendations will outline solutions that offer greater efficiency and increase capacity for aircraft size, flight frequency and, in turn, the number of paying passengers.

Our airport planning and design services include:

- Strategic and operational planning, including preparation of airport master plans
- Options development and upgrade planning
- Business planning
- Insurance requirements
- Safety cases
- Applications for exemption from regulatory requirements
- Independent peer review of plans and designs before construction
- Knowledge management
- Aircraft performance analysis
- Air traffic control tower and Aerodrome Rescue and Fire Fighting Services (ARFFS) facilities siting studies
- Planning scheme interpretation in support of development applications
- Airspace protection

“Aviation Projects assisted Mackay Airport Pty Ltd to resolve several strategically significant matters and provide greater certainty about the protection of Mackay Airport's future ultimate capacity through the investigation, analysis and resolution of a number of complex inter-related airport protection problems.

Aviation Projects' responsiveness, expert knowledge, attention to detail, rigorous technical analysis and professional approach to its work contributed to the ability of North Queensland Airports, and in particular, Mackay Airport Pty Ltd, to achieve its strategic intent. As a result, Aviation Projects has become a trusted advisor to the NQA group of companies. ”

Kevin Brown
CEO, North Queensland Airports



“ On behalf of Maranoa Regional Council, I would like to express our appreciation of your guidance over the last year on the Roma Airport Upgrade Project and in general your overall aerodrome strategic advice.

Your professionalism, expertise and personal nature was very much welcomed and appreciated by all. It was a pleasure working with you. ”

Barry Omundson
Director of Infrastructure
Maranoa Regional Council

Aviation Safety

The standard of air travel safety in Australia is high but there is a constant need for improvement.

When considering aviation safety, both

airports and the wider airspace must be considered, including around commercial and residential developments, telecommunications towers and other structures.

Aviation Projects can investigate and assist aviation regulators, all levels of government, airports and commercial developers with the delivery of safety cases, rigorous risk assessments and treatment plans to ensure an acceptable level of safety.

Aerodrome Safeguarding

Aerodrome safeguarding ensures the safety of aircraft, passengers and crews while in the vicinity of an airport, including take offs and landings.

Airport safeguarding can incorporate working with surrounding communities to make them aware of the potential impacts of aircraft operations, particularly aircraft noise.

Good planning decisions minimise effects on people and airports while poor management can lead to aircraft safety hazards, operational restrictions, protracted litigation, amenity impacts for nearby residents and airport closures in extreme cases.

Aviation Projects is highly skilled at safeguarding existing airports and during the planning stages of new facilities.

Aviation Projects' Specialised Advice

Wind Farms and Infrastructure

Wind farms, building developments, cranes, power lines and telecommunications towers all pose potential

aviation safety risks and therefore require assessment of potential aviation impacts when seeking planning approvals. Aviation Projects can partner with clients in this process.

Expert Witness

The Aviation Projects team is uniquely placed to advise and assist in complex situations.

Our team can assist law firms, government agencies and companies to deliver key evidence in environmental and development planning cases and provide evidence in aviation liability matters.

Flying Operations

Aviation Projects specialises in delivering management, planning and operations expertise. We can develop and implement best practice solutions with tangible results to individual management problems. Our consultants also have strong expertise in civil aviation, a sector that is expanding across the world.

Operations

Compliance with regulations and the development of good aviation policies is critical to the success of an airport and individual aviation operators. Aviation Projects can advise, help achieve or navigate compliance matters.

Further Information

Please contact a member of our team to discuss your specific circumstances.

“ Aviation Projects has provided assistance to the Wagner Group from the initial planning approval through to the construction and operation of Brisbane West Wellcamp Airport, and continues to provide valuable ongoing advice and support.

Aviation Projects provided expert advice and guidance on a range of matters including the preparation of initial demand forecasts and scope of aircraft operations, concept layouts, concept airspace and aircraft flight paths, and consideration of various other planning and operations matters. They also provided advice on aeronautical infrastructure requirements and costs. Aviation Projects was able to assist with the introduction and ongoing operation of B747-800F aircraft by preparing a safety case that was approved by CASA.

Managing Director, Keith Tonkin, is thoroughly professional in all of his work and takes pride in providing a tailored solution that considers all aspects of a client's strategic intent, including the short and long term implications of various recommended actions.

Aviation Projects has been integral to the success of our airport and continues to be a valued advisor to our business. ”

Phil Gregory
General Manager, Brisbane West Wellcamp Airport



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