



pitt&sherry's NSW Team are specialists in engineering solutions, civil infrastructure and environmental services to airports and the aviation industry that increase efficiency and reduce operational impact.

Experience and company overview

pitt&sherry is a leading Australian professional services company, employing over 260 people across our offices in New South Wales, Victoria, Queensland and Tasmania.

We deliver projects of all sizes to industry and government throughout Australia and Internationally, and employ a range of engineers, scientists, planners, building surveyors, technicians, project managers and other professionals.

We focus on providing consistent, high quality services and building collaborative, long-term relationships with satisfied clients. Our partnerships are based on trust, integrity and accountability, and our diversified skillset enables us to develop smart, cost-effective, technical solutions, and be nimble and adaptive in solving all types of problems.

How we can help Sydney Airport Corporation

The range and depth of our technical skills and experience complement our airfield engineering capability and enable us to provide valuable independent services and advice to Sydney Airport Corporation.

Our NSW operations are focused on structural and mechanical engineering as well as energy, environmental planning, waste and compliance.

Engineering Services

Structural design of:

- Buildings including foundation design for a range of equipment and buildings
- Short and long bridges
- Culverts and retaining walls
- Sign structures and traffic barriers
- Temporary works and proof engineering
- Structural inspection and remediation engineering
- Condition assessments on existing structures.

Mechanical engineering services

- Design of Mechanical plant and equipment
- Moving plant (cranes, hoists etc.) design verification and compliance inspections
- Investigations and optimisation of existing plant and equipment
- Mechanical structures, from machinery beds to steelwork structure, chutes and hoppers, to piping and pumping systems.
- Hazard and operability studies (HAZOP).

Our energy, environmental and planning services include:

Energy and Carbon

- Energy efficiency solutions and auditing
- Energy management systems
- Energy monitoring and measurement
- Energy Procurement strategy – stationary and mobility
 - Renewable energy
 - Hydrogen
- Carbon footprint/life cycle assessment
- Carbon management.

Waste

- Waste strategy and planning
- Procurement support
- Service reviews and market studies
- Technology due diligence
- Planning approvals
- Waste process engineering
- Compliance and regulatory support
- Waste infrastructure.

Auditing and reporting

- Construction environmental auditing
- Management system audit
- Due diligence auditing
- Independent compliance auditing • Environmental performance reporting.

Sustainability

- Sustainability strategies & policies
- Sustainability assessments
- Sustainability reporting (annual reports)
- Management systems
- Emission control
- Environmental awareness training.

Infrastructure and Construction

- Tender support
- Approvals - onsite and offsite
- Construction environmental management plans
- Environmental management representative (EMR)
- Rehabilitation plans
- Environmental protection licensing
- On-site environmental management.

Environmental planning and assessment

- Environmental risks / constraints analysis
- Environmental impact assessment
- Project development/approvals strategy
- Peer and independent reviews.

Stakeholder engagement

- Stakeholder and community consultation
- Strategic communications and issues management
- Social impact assessment
- Community development plans.

Project Experience

Brisbane Airport Corporation (BAC) – Waste Management Strategy

In 2012, pitt&sherry assisted BAC prepare their Waste Management Strategy to accompany their 2009 Master Plan for the redevelopment of the Brisbane Airport buildings and surrounding lands. The purpose of the Strategy was to bring Brisbane Airport's waste management and recycling initiatives in line with world-class airport waste management systems. This Waste Management Strategy will assist BAC deliver systems, infrastructure and training that will cater for the waste produced by the 45 million passengers and 50,000 staff who will use BAC's facilities by 2029. The strategy includes initiatives and requirements applicable to tenants, Facilities Managers and other service providers that will continually reduce the amount of waste produced and increase recycling rates. This also has the benefit of reducing the costs associated with waste generation.



Sydney Metro Airports Limited – Airport Environmental Advisor/Officer

pitt&sherry has previously functioned as the Environmental Advisor for Bankstown and Camden Airports. The role oversaw the day-to-day operations and environmental management of these Airports which includes, reviewing tenant compliance audits, delivering compliance reports, performing energy audits, reviewing development applications, developing environmental procedures for the Environmental Management System (EMS), preparing annual reports and applications for grant assistance. In addition, pitt&sherry is continually recommending action for improved environmental performance across the airports. The environmental advisory role at these Airports has enabled the timely completion of Airport Environment Strategy commitments and annual reporting. It has also meant that Airport staff have access to up-to-date environmental management knowledge and experience.

Qantas Environmental Audit

Qantas commissioned pitt&sherry to conduct a review of their existing management systems with the objective of assessing the effectiveness of their environmental management and what was required to ensure that all environmental issues are properly managed. pitt&sherry was contracted to review the operations and management systems of the aircraft maintenance and quarantine operations at Kingsford Smith Airport in Sydney.

Qantas Air Quality Assessment

Qantas required an air quality assessment in the baggage handling room area at the Sydney International Airport to report on specific health protection levels. pitt&sherry was requested to conduct onsite sampling of dust in accordance with AS 2985 Workplace Atmospheres and monitoring of carbon monoxide and carbon dioxide exposure levels at four locations. These results were compared against allowable exposure standards set by the National Occupational Health and Safety Commission (NOHSC). The report provided air pollutant concentrations and useful information about air quality that confirmed acceptable levels and provided recommendation for actions that that could further enhance health protection in the work place.

