



Sydney International Airport redevelopment, NSW

Sydney International Airport is the 33rd busiest airport in the world, handling 31.9 million passengers in 2007, with forecasts of around 78 million passengers by 2029.

The T1 Departures Project involved both an expansion and upgrade to the international terminal at Sydney Airport. The expansion work involved adding some 7,300 square metres to the departures level to provide world class passenger facilities.

The works included:

- consolidation of immigration and passenger screening
- new airside retail, commercial and common/concourse areas
- redevelopment of landside retail (duty free, specialty retail and food & beverage)
- provision for a new baggage handling facility
- provision for new airline lounges on level 3.

Evans & Peck's role

Evans & Peck provided a range of services including advice on contracts, procurement, risk management and retail leasing. We also provided overall planning including planning of design, construction, procurement and operational readiness. Planning included the production of 2D modelling of the construction staging.

In addition, Evans & Peck provided monitoring, control and reporting of the progress of the works.

We worked with the Sydney Airports Corporation Limited (SACL) project and design teams during the initial 'planning and confirmation phases' providing strategic planning, procurement and risk management advice. We were subsequently engaged by SACL to assist in the 'detailed design and procurement phase' in which a Managing Contractor was selected, and in the 'construction and commissioning phase'

providing planning, scheduling, monitoring and reporting services.

Critical to the success of the project was the development of complex staging plans to meet the requirements of passenger movement, airline operations, security control, retail exposure and allow the continued uninterrupted operation of the terminal at maximum capacity.

Results

Construction commenced in December 2007 and was completed on time in May 2010. Both landside and airside of the departures level of the terminal were significantly redeveloped while the airport continued to operate at maximum or on demand capacity. This was achieved through the development of complex staging plans that allowed the continued uninterrupted operation of the terminal through the careful planning of non-curfew and curfew works. These plans took into account the needs of multiple stakeholders including SACL departments, government agencies, retailers, airline operators and the travelling public.

By engaging Evans & Peck in the early stages of the project development, SACL was able to access our knowledge of the previous major terminal development. We were able to quickly review the types of issues that were likely to emerge in the project and systematically address each of these issues.

FACTS AND FIGURES

Client: Sydney Airports Corporation Limited

Project value: \$250 million

E&P involvement: 2005 - 2010

Our workshops on 'issues and strategies', 'risk', and 'procurement' were useful in focusing the client and stakeholders on setting clear objectives early and developing plans to achieve these objectives.

We were able to assist SACL achieve its goals by working throughout the procurement and delivery of the project. All interface issues (between SACL departments, government agencies, retailers, etc) were managed via an overall Master Program. Weekly project program meetings were the forum that we used to keep the project 'on track'.

Developing complex staging plans to allow the continued uninterrupted operation of the airport terminal

