

AVALON INTERNATIONAL AIRPORT FITOUT

CASE STUDY

The Brief

EQUANS helped Avalon Airport in Melbourne's west become Victoria's second international airport with a new \$40m terminal catering for customs and security requirements of international flights, retail and duty-free space – a total of 10,000m² floor space.

Air Asia required use of the new international airport terminal by December 2018. EQUANS were engaged in July to perform the electrical, communication, security and public address (PA) systems for the new terminal. The works had to be ready for the date of commencement of operations – a project timeline of 5 months.

The Solution

EQUANS delivered a full turnkey package for the construction of the new international airport terminal, including connection of a new substation, underground mains, lighting and power reticulation, a custom cable support system, a complex communications network including physical segregation for Home Affairs and Internal Communications, security and access control, PA and hearing augmentation.

The project consisted of the installation of multi-coloured high-level cable trays, 415- and 240-volt cabling, sub mains, and switchboards. The communications and security teams installed the highly specified state-of-the-art security and communications networks, which included high security metal enclosures and conduits. 3,800 metres of cable tray were laid, along with 30,000 metres of power cable, 1,500 metres of in-slab hearing loops and 350 metres of optic fibre cable.

- EQUANS mobilised multiple teams of expert technicians and compliance experts, ensuring that the project was completed to exacting standard in under 20 weeks.
- The on-site teams and project managers worked tirelessly to keep the construction program on track and to ensure efficiency in delivery without any compromise to safety.

The Benefit

Thanks to EQUANS's experience managing large construction projects, this exciting project was delivered on time and within budget. EQUANS were able to leverage off their extensive network of suppliers and sub-contractors to ensure buying power was maximised. A team of over 35 employees worked closely together with JJA Consulting Group, Avalon, Linfox and Qanstruct to a very tight construction program to deliver this project.

Air Asia is now flying from Avalon using the brand new complex, boasting state-of-the-art customs facilities and a simple, efficient international terminal experience.



Constructions of electrical, communication, security and public address (PA) systems



Fast turnaround time of only 5 months

