

CASE STUDY / BRISBANE AIRPORT – HV ELECTRICAL UPGRADE /



FAST FACTS /

- / Installation of 7 kilometres of High Voltage Cable Reticulation
- / Construction and Installation of 2 Sub-Stations and 3 Pad-mounted Transformers
- / Installation while maintaining existing Services



CLIENT /

Brisbane Airport Corporation Ltd

SERVICES REQUIRED /

HV cable and sub-station installation

TIMELINE /

18 months

LOCATION /

Hamilton, Queensland

CONTRACT VALUE /

\$3 million

Brisbane Airport is the sole passenger airport serving Brisbane and the third busiest in Australia after Sydney and Melbourne Airports. The airport serves the city of Brisbane and the surrounding metropolitan area.

The airport's electrical upgrade required PSG Richard Flanagan to install 7 kilometres of high voltage cable reticulation, including 2 Sub-Stations and 3 Pad-mounted Transformers.

All the while, maintaining existing services. With PSG Richard Flanagan's experience in large infrastructure projects, this airport project was never going to be hard to get off the ground.

We installed a system of two Zone and Intake Sub-Stations and three Pad-mounted transformers to create a diverse High Voltage Ring Main.

This facilitates redundancy in supply lines preventing potential interruptions to power supplies during cut-overs and power outages.

The local fibre duct network was maintained, extended and integrated into a central monitoring location. This enables Brisbane Airport Corporation to constantly monitor high voltage services, equipment, switches, and loadings via the Fibre Programmable Logic Controller (PLC).