



C-17 Maintenance Facility

CPB CONTRACTORS & DEPARTMENT OF DEFENCE | AMBERLEY QLD

The aim of the C-17 Maintenance Facilities, Aircraft Apron and Associated Infrastructure Facilities Project was to provide fit for purpose, compliant, high quality and value for money maintenance facility and additional infrastructure at RAAF Amberley to support and sustain the Operational Level Maintenance (OLM) requirements of the C-17 fleet.

Package 1 entailed the procurement, logistics and installation and synchronisation of 2no. new central emergency back-up generators, removal of two existing 12 tonne generators and associated equipment and building refurbishment works. The works also involved decommissioning of existing fuel lines and tanks, co-ordination and installation of the new fuel line system including black start and handover.

Package 2 concrete works involved the excavation and foundation works (formwork and concrete) for a number of buildings and concrete aprons that support the main C17 aircraft hangar.

PROJECT VALUE:

\$10.3m

SECTOR:

BUILDING // DEFENCE

DELIVERY MODEL:

CONSTRUCT ONLY

PROJECT HIGHLIGHTS

- Construction in live Defence base with strict security and airside protocols.
- First installation and incorporation of this particular type of Generating Set arrangement in Australia.
- Design and modification of existing day tank storage into a reticulating fuel polishing system to ensure longevity of bulk stored fuels.
- Mains Fail Test illustrated the increased capacity of the CEPS building installation, giving confidence that the RAAF Amberley can run in isolation from Energex supply for extended periods of time.
- Asbestos removal of Exhaust Lagging and complete building environmental clean.
- Building Management System interface for the monitoring of building heat sensors to automatically control the new three high level extractor fans.
- The Dry Fire scope consisted of the removal of the redundant dry fire system and installation of all new addressable heat/smoke detectors, audible and visual warning system and Brigade interface.