



DEFENCE

AURECON

RAAF BASE LEARMONTH BLAST WALLS

INFORMATION

PROJECT NUMBER

61.20.0302

LOCATION

Western Australia

CLIENT CONTACT

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SERVICE OFFERING

Encapsulation
Demolition
Concrete repair

PROJECT SUMMARY

RAAF Base Learmonth contains a number of blast walls (also known as gun misfire barricades), designed to protect infrastructure in the event of accidental discharge from aircraft within the hangars or aprons. The walls were generally in poor condition and needed remediation because of material degradation of concrete panels and tie rods. The project involved the encapsulation or demolition of blast walls located across a 3km x 2km area.

SCOPE OF WORKS

- Fabrication and installation of encapsulation panels, ranging in size from 10–20 tonnes and 5–10m long
- Mass grouting works between new encapsulation panels and existing walls
- Patch repairs and crack injection
- Airside works



View of completed panel encapsulation



View of completed panel placement and tie rod installation

HIGHLIGHTS

- 230m³ of concrete encapsulation
- 90m³ of grout
- 1,800m of ReidBar
- 2,300 non-galvanised anchor plates and bolts
- 700m of crack injection
- Temporary works design