



## St Kilda Aerial Test Facility

Initial Contract Sum: \$1,458,421

Date for Completion: 13 April 2003

End Contract Sum: \$1,694,372

Date of Actual Completion: 11 April 2003

Description: The new Aerial Test Facility (ATF) was built at St Kilda as an outdoor range for measuring microwave antennas and Radar Cross Section (RCS) of large targets. The project incorporated the construction of:

- 100,000m<sup>2</sup> of a granular ground reflection surface, laser levelled to a 1 in 200 fall, for drainage & reflection purposes,
- 25m and 8m Towers with lifting platforms,
- Underground waterproof pit with 2 tonne turntable.
- Extensive underground electrical & communication service network.

Number of Variations and Extensions of Time: 21 Variations due to Client changes in scope.  
0 EOT's

Details of Claims Over \$50,000.00 (made by either party): Nil  
Contract sum was increased due to client scope increases

Value Adding and Problem Solving: Design & Construction of lifting platforms on truncated tower with tight stability tolerances. Design & Construction of tower footings and turntable pit on inland tidal zones. Construction of test field to high tolerances.

Innovations: Bardavcol worked closely with the Client and material suppliers to develop a suitable hard wearing, but non-reflective surface. Additional Electrical Works were negotiated into the contract to improve the overall facility.

Referee: GHD (Lead Consultant)  
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