

Project Summary



Client:
Department of Defence Australia

Location:
Woomera, South Australia

Defence Fuel Installation (DFI) Upgrade Woomera

Project Summary:	<p>The Woomera Prohibited Area (Woomera) is a globally unique military testing range. It covers nearly 124,000 square kilometres in north-west South Australia, approximately 450 kilometres NNW of Adelaide. It is the largest testing range in the world.</p> <p>Woomera is a Prohibited Area and used for the testing of war materiel under the control of the Royal Australian Air Force. Woomera is an important Defense capability, and testing and evaluation asset that plays a significant role in Australia's national security.</p> <p>This project involved the upgrade of a Defence Fuel Installation at Woomera. The project included the design, procurement and construction of pipework, a pump shelter, road demineralisation and electrical control work.</p> <p>A compliance audit was undertaken on the Woomera DFI site with a number of rectification works identified to ensure the DFI met the relevant standards for the storage of large quantities of flammable liquids.</p> <p>Synertec was engaged to project manage and execute these works for the hazardous area which included the following:</p> <ul style="list-style-type: none">○ Replacement of all pipework and equipment to 316 stainless steel○ installation of pipe supports on the fuel receiving manifold○ delineation of internal access roads○ design, fabrication & installation of a new shelter for pump bay○ installation of guttering and downpipes for the DFI shelter
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Project Summary



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- installation of new fuel level instrumentation and alarms for the existing emergency shower/eye wash

The client's critical deadline and remoteness of the facility location were challenges for the project delivery and the team. Synertec devised a communication strategy to ensure the deadline was met and kept the client and suppliers informed of progress.

This strategy became key to the success and on-time delivery of the project.

The pre-planning and execution strategy for this project were important due to the remoteness of the project site and the difficulty in bringing in new supplies. The pre-planning included the development of site management plans to allow for the management of inductions on site, site establishment, safety, environmental impacts, quality, commissioning and handover.

The project team were hand-picked based on the diverse skill set required on site: project management, engineering, site supervision and hazardous areas. The selected team were able to resolve a number of challenges that emerged throughout the course of the project, delivering the project on-time and on-budget.