

Project Profile

West End Brewery Shutdown Works



Client	Lion Co
Location	Thebarton, South Australia
Duration	April 2015 – June 2015 (7 weeks)
Contract	Pre-Shutdown and Shutdown Works
Cost	\$4 million

Project Overview

McMahon Services were engaged to complete this project due to the closure of the Swan Brewery in Western Australia and the need for the upgrade of the West End Brewery in Adelaide, to provide increased efficiencies and production methods. This project involved the shutdown of the existing Brewhouse, removal and replacement of existing brewing equipment and the commissioning of the new Brewhouse, in a maximum of seven weeks with a 24/7 shutdown period. This was delivered simultaneously with the overall 'Hyde Park Project' involving several other projects at the site.

Lion provided a Master Schedule Program for the shutdown, which planned out the full seven week shutdown to coordinate pre-works, demolition, building, installation and commissioning of the new Brewhouse. McMahon Services supplied our scope of works with time durations for inclusion into the Master Schedule. Key subcontractors TFG and Krones also provided their schedule of works into the Master Schedule for the installation of various infrastructure items.

McMahon Services worked collaboratively with Lion, TFG and Krones to coordinate all scopes and timelines to ensure the overall program could be delivered within the seven week time period. This required a high level of planning and clear communication lines at all times. Forward planning was critical to ensure advanced works were scheduled ahead of related scope.

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McMahon Services was also involved in the design and construct component of various project scopes. This involved scope definition and generation. The scoping phase also included feasibility, budget and viability requirements, project return briefs, client and consultant engagement, reviews and execution and delivery of disciplines.

The project scope was as follows:

- › Demolition of existing malt handling silos;
- › Civil and concrete reinstatement works to accommodate new malt silos;
- › Structural steel design and construction to accommodate new brewing vessels and milling equipment;
- › Brewhouse roof removal and reinstatement to accommodate equipment removal and upgrade for the shutdown;
- › Design and construct structural steel to support equipment;
- › Design and construct new additives dosing room;
- › Hydraulic/drainage upgrade;
- › Demolition and removal of existing specialty malt silo tanks;
- › Installation of temporary removable penetrations of existing structures for equipment access;
- › Craneage supply and coordination for removal and reinstatement of all new Brewhouse equipment on a 24/7 basis.

Due to the flexible technical nature and the unknown existing infrastructure capacity, the project scope was continually evolving. This was to accommodate the removal, supply and installation of the new Brewhouse brewing vessels and associated equipment. The introduction of new information, additional equipment requirements and structural modifications meant that the McMahon Services team were able to demonstrate flexibility and provide quick response with minimal disruption to the overall project.

The project involved a 24/7 roster, covering 12 hour shifts running from 6am until 6pm and 6pm until 6am, including a half hour prestart and changeover meeting on either side of the shifts. For the overall Hyde Park Projects, McMahon Services have inducted 626 personnel to enable them to work on the site. The McMahon Services safety standards and safety record on site have been commended, setting the benchmark for all projects.

