

Project Summary



Client:
Carlton & United Breweries

Location:
Abbotsford, Victoria, Australia

Trade Waste Surge Pit Reconfiguration

Project Summary:	<p>CUB Abbotsford Brewery collects and treats trade waste in 2 underground pits prior to discharging through 2 existing sewer connections. Due to local urban expansion, the water authority requested that the main discharge connection be altered. To achieve this, an additional submersible pump was installed and the piping manifolds modified to increase the capacity to discharge to the alternate sewer connection.</p> <p>Additionally, an agitator and acid/caustic dosing were added to the second pit to enable dosing of trade waste to be undertaken in either pit. New temperature and pH instruments as well as valves and recirculation lines were also added to both pit manifolds to enable this operational flexibility.</p> <p>The automation system was upgraded to incorporate the new equipment and instrumentation. This involved upgrading the existing PLC and SCADA systems. The project also involved civil works on site to extend the manifold trench and add access covers for maintenance of the new agitator.</p> <p>Critical site works were undertaken during strictly limited shut durations to minimise disruption to plant operations. Site works involved confined space entry and careful planning to achieve delivery within required timeframes.</p> <p>Much of the existing equipment and infrastructure has been there for significant period with limited documentation, adding complexity to the design and</p>
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SYNERTEC

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	<p>installation works. Detailed site inspections and investigation was required to document existing conditions prior to providing detailed design of new works.</p> <p>The scope of works delivered by Synertec included:</p> <ul style="list-style-type: none">○ Supply and installation of new submersible pumps and piping○ Supply and installation of new agitator and access cover○ Supply and installation of new acid and caustic dosing systems○ Modification of piping manifolds including new actuated valves○ Civil works to modify existing trenches and pit covers○ Electrical installation of new equipment and instruments○ Automation system upgrade○ Design and Project Management○ Commissioning and Testing
Technologies:	Project Management, Procurement, Pumps, Piping Design, Construction