

Project Summary



Client:
CSIRO

Location:
Geelong, Victoria, Australia

AAHL Clean Steam Generator Upgrade

Project Summary:	<p>CSIRO's facility in Victoria had an existing clean steam system including 2 off generator units which had reached the end of their working life. As clean steam generation is a critical requirement for sterilisation of materials and equipment, the plant was replaced by new Clean Steam Generator (CSG) units. The clean steam is used for steam sterilisation that is undertaken on a daily basis in the laboratory areas.</p> <p>Synertec worked closely with all the stakeholders to ensure all their requirements were met, that there was minimum disruption to the operations at the facility during the installation, and that the plant upgrade improved reliability and redundancy to reduce the future risk to the operation of the facility.</p> <p>In order to minimise disruption to the operations, the installation works were staged to ensure clean steam was available to the sterilisers with only minimal planned outages. The physical layout of the plant room also provided significant challenges with very restricted access to the work site and multiple existing live services and equipment in the vicinity of the work site.</p> <p>As part of the upgrade the new plant was integrated into the site SCADA system for improved operator monitoring and control. The control system also had redundancy built into it to improve the reliability of the plant.</p> <p>The scope of works delivered by Synertec included:</p> <ul style="list-style-type: none">○ Site investigations and reports on the existing clean steam reticulation
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SYNERTEC

	<p>system as well as the reverse osmosis (RO) feedwater system</p> <ul style="list-style-type: none">○ Clean steam plant design and technical specifications○ 3D piping design and drawings including 3D scanning○ Preparation of tender documentation for equipment supply and installed contracts○ Project Management for design, procurement, installation and commissioning phases
Technologies:	Project Management, Tender Documentation, Procurement, Clean Steam, Piping Design