

NEPEAN HOSPITAL
THE CENTRAL STERILISATION SERVICE DEPARTMENT

CLIENT: NSW Department of Health Infrastructure
LOCATION: Kingswood, NSW
VALUE: \$2.7 million
DURATION: December 2009 to February 2010



The refurbishment of the Central Sterilisation Services Department at the Nepean Hospital by Donnelley Constructions was a truly unique project that required sophisticated management methodology to meet the critical deadlines and exacting construction standards. The project was delivered on time and on budget.



PROJECT PROFILE

Construction of the upgraded Central Sterilising Services Department at the Nepean Hospital involved the demolition and refurbishment of the existing sterilisation facility and the installation of new state-of-the-art sterilisation equipment within the existing and fully-operational Nepean Hospital building.

The construction took place over a very short, two-month period and construction teams worked through the Christmas and New Year holidays to meet the strict project completion deadline. The project was completed on time and on budget by Donnelley Constructions with minimal impact to the operation of the Nepean Hospital.

SCOPE OF WORKS

The refurbishment of the Sterilisation Department and the installation of the new sterilising equipment included:

1. Removal of all existing equipment and finishes.
2. Installation of new infrastructure that services the CSSD equipment - including electrical, hydraulic, mechanical, steam, exhaust and BMS.
3. Upgrade of steam infrastructure to whole hospital.
4. Upgrade existing lift to ensure total compliance for CSSD equipment.
5. Installation of new CSSD equipment



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Adam Donnelley



6. Construction of new layout of CSSD to ensure world's best facilities in sterilisation at Nepean Hospital.
7. Complete re-wiring of the electrical infrastructure.

Donnelley Constructions delivered this outstanding new facility with minimal disruption to the ongoing operations of the Nepean Hospital by:

1. Ensuring site teams worked openly with representative of Nepean Hospital on a daily basis: Requirements and expectations were set out in a site specific induction at the commencement of the project to ensure all activities throughout the project were co-ordinated and completed as prescribed. Major deliveries and operations that affected the hospital were carried out during specific times, agreed beforehand with the hospital to minimise disruption to staff, patients and the general operation of the hospital.
2. Effective communication from the whole project team: Disruptions were communicated to hospital staff on a two-week basis and all parties were advised so they could be scheduled for appropriate times during hospital workflow.
3. Bringing together all major stakeholders to achieve a high-quality project: This in its own was unique as the sterilisation equipment supplier was based in Germany and installation support had to be scheduled across multiple time-zones.
4. Careful planning of safety management procedures, material handling and site management to ensure that the hospital continued as normal, with a building site that was incident free: There were no LTI incidents reported during construction.
5. Numerous design review meetings were co-ordinated with the required stakeholders and technical subcontractors to ensure the CSSD requirements were fully understood: This also ensured full compatibility with future expansion.

CHALLENGES

Donnelley Constructions' project manager Brett Bell the three primary challenges involved in the project were:

1. Maintaining full hospital operations while all construction was undertaken. The CSSD is on the ground floor of a three storey building
2. All works had to be completed in eight weeks so construction teams had to adhere to very strict deadlines.
3. Works had to start on the December 18 and it was essential that all works were carried out over the Christmas break.



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