

## PROJECT FACT SHEET

**Customer:**

Badge Constructions (SA) Pty Ltd

**Project:**

University of Mount Gambier - New Building &amp; Student Hub

**Project Profile:**

The University building is effectively a functioning hospital facility complete with Sedco nurse call system, nurse training facilities, computer pool rooms, staff area, lecture rooms, lecture theatre and student piazza.

The project commenced in February 2015 and reached practical completion in December 2015 with a total project value of \$1.2 million. Nilsen completed all electrical works on the project on time and within budget.

Nilsen installed the electrical services to complete the highly technical and functional learning facility fitted with an architecturally challenging but aesthetically pleasing lighting installation together with an energy efficient lighting control.

Nilsen were required to use their electrical and communication expertise in co-ordinating other services, including mechanical, security, nurse call and AV which all required the supply of small power, Cat 6 and fibre installations installed by Nilsen.

Nilsen expertise and design ability were also required for the installation of the bespoke lighting fittings and lighting controls. The project comprised of many architecturally challenging lighting installations, using LED luminaires controlled manually through DALI dimming system for internal areas. Externally, the luminaires are controlled through PE cells and time clocks. The design of the lighting system allows for a strong reliance on natural light within the Main Atrium walkway and individual work zones. The use of natural light is supplemented by LED strip recessed luminaires which are integrated within the building structure.

The nature of the design of the building and the raised piazza called for detailed installation design due to the minimal space for services. Nilsen's installation expertise and design skill set ensured that there were minimal clashes with other services.

The Uni SA project delivered a state of the art learning facility which includes the highly innovative lecture theatre with multiple levels of lighting control, featuring AV and projectors using the latest technology together with the impressive decorative lighting installation.

Approximately 40% of the facility includes an area consisting of a nursing ward that simulates all the day to day workings within a hospital. This nursing / teaching facility is designed to accommodate an overflow of patients from the Mount Gambier Hospital in the event of a real disaster / emergency situation. Nilsen's extensive experience in hospital projects was a factor to achieve the successful completion of this section of the facility.

Nilsen worked to achieve energy savings on the Uni SA Mount Gambier project through the use of energy efficient LED lighting. All functional lighting has been fitted with occupancy sensors and all decorative lighting has been installed with dimmers, PE cells and time clocks.

