

PROJECT FACT SHEET

Customer: MCC / Cockram Construction

Project: MCG LED Ribbon Screens

Project Profile: Nilsen were engaged to provide the power reticulation to the New LED ribbon screens at the MCG.

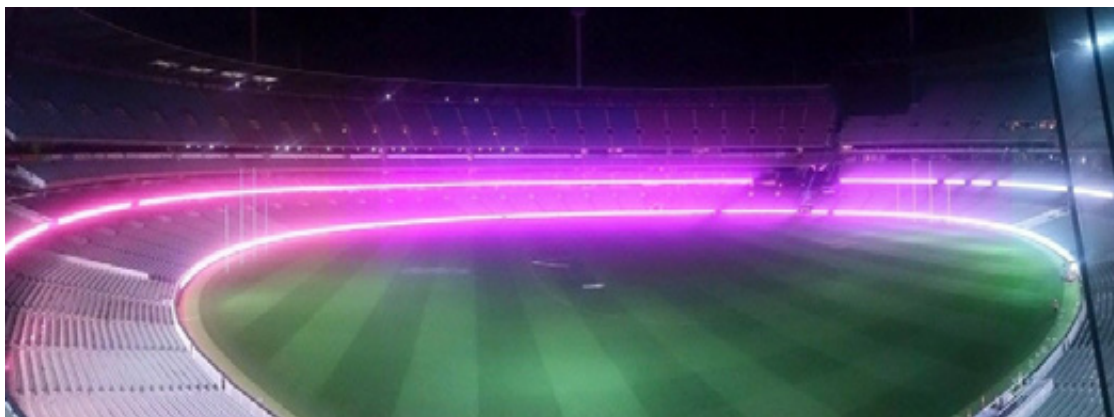
Nilsen scope of works was as follows but not limited to:

- Installed new cable tray and metal duct for sub mains and final sub circuit cables
- Supplied and installed 3 x new Main Distribution Boards
- Supplied and installed 9 x Distribution Boards
- Supplied and installed new sub mains from the Main Switchboards to the Main Distribution Boards
- Supplied and installed new sub mains from Main Distribution Boards to Distribution Boards
- Supplied and installed all final sub circuit wiring and connected to the nominated panels
- Supplied and installed new circuit breakers in existing MSB-4 & MSB-7
- Supplied and installed new power quality meters to MSB-4 & MSB-7 and upgraded existing PCMS system
- Supplied and installed a CBUS control system for the control of final sub circuits to the Ribbons allowing for a staged start up

Project Obstacles to be overcome

Nilsen were awarded the project for our ability to deliver projects in tight time frames, this project was no exception. Nilsen were given 6 weeks to complete our work, as tight as that was we also had the fact that the ICC world cup cricket was on during this time. This meant that our project team were faced with added security, programming and scheduling issues. Even with an intensive program, at times we would be forced to move our guys from areas as an unexpected training session or function would pop up without notice. Due to the amounts of unexpected disruption to our works and a deadline that could not be extended (first game of the AFL season 2015) Nilsen worked with the MCC and Cockram Construction to devise a plan to move majority of our work force to a night shift (21 people), 10 people on day shift and working scheduled days off including Saturdays, Sundays and rostered days off so that we could ensure the completion date was met and minimal disruption to both Nilsen and the MCC .

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**Added value accrued to customer because of Nilsen involvement**

Nilsen has an ongoing relationship with the MCC for over 15 years. Our wealth of knowledge at the MCG is second to none. We were able to suggest several ways that we could save time and disruption for the MCC.

Once awarded the project Nilsen worked closely with Aurecon (design consultants) to redesign the sub circuit layouts, switch board lay outs and switch board locations.

Because of Nilsen understanding of the MCG day to day activities Nilsen were always in consultation with a number of other parties at the MCG to ensure we minimised any interruptions to their business during our shut down works to 3 of the MCGs Main switch boards. This meant a staged 2 day shutdown where we used 46 of the available 48hr. This also had its challenges with supervision and skilled labour requirements for this type of works.

Project Completion Date: 31 March 2015