



THE LOCATION:
TIDBINBILLA, ACT

Canberra Deep Space Communication Centre

NEW CONTROL ROOM

The Canberra Deep Space Communication Complex (CDSCC) is part of an international network that supports interplanetary spacecraft missions as well as making radio and radar astronomy observations, in pursuit of pure science. Managed by the Commonwealth Scientific and Industrial Research Organisation (CSIRO) of the Australian Government, it forms part of NASA's Deep Space Network as one of three tracking stations across the world.

CSIRO, CDSCC and Middy's Fyshwick recently worked together at the Tidbinbilla site on the expansion of the radio telescope facility which required construction of a new control room. New technologies and ideas were integrated, keeping the facility at the forefront of reliability and maintenance saving with a focus on LED lighting and controls.

The lighting system required both downlighting for specific areas such as control panel desks, as well as ambient lighting that makes use of daylight harvesting and has seamless transitioning to night time illumination as the facility operates 24 hours a day, 7 days a week. Pierlite Starburst Crystal ECO LED Downlights with lensing options and DALI control were selected for the desk top applications, while Pierlite Slender Edgeless LED Panels with DALI control were selected for area lighting. In addition, a new custom main switchboard was installed, as well as skirting duct and Clipsal Iconic Bakelite housing. All lighting was supplied with DALI compatible drivers, which were then integrated with the RAPIX lighting control system, all supplied by Gerard Lighting.



THE JOB: NEW CONTROL ROOM

- ▶ LED Installation of **42 x Pierlite Slender LED Edgeless Panels** and **30 x Pierlite Starburst Crystal ECO LED Downlights**
- ▶ Customised Energy Efficient and Cost Effective LED Lighting Installation
- ▶ Secure 3 Year and 5 Year Warranties for LED Downlights & LED Panels Installed

THE INSTALL:

<p>42x Pierlite Slender LED Edgeless Panels</p> 	 <p>5 YEAR WARRANTY</p>	 <p>50,000+ HOURS OF LIFE</p>	 <p>4000K COLOUR TEMPERATURE</p>	 <p>42W PER LAMP</p>



Australian Government