



## Melbourne Cricket Ground

# Case Study



Energy: LED



Industry: Sport



Energy savings  
**64% reduction**



Payback period  
**40 month**



Annual lighting energy saving  
**2,342,777 kWh**



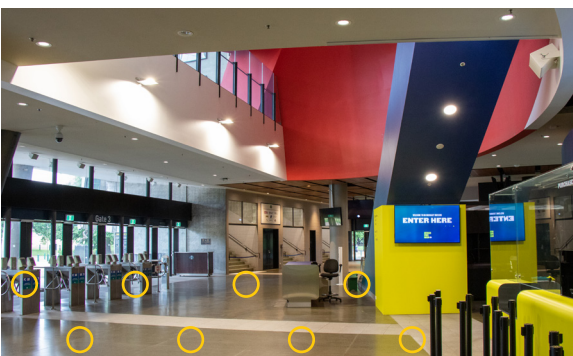
First year return on investment  
**30%**



Annual CO2 reduction  
**1,660 tonnes**



Total 10 year saving  
**\$4,012,020**



Products

Various LED fittings

Quantity

11,841

**The Melbourne Cricket Ground (MCG) is the largest sports stadium in the southern hemisphere. It is a historic landmark of Australian sport where some of the largest recorded sporting crowds have attended.**

### Background

The MCG partnered with Siemens to deliver a range of energy efficiency projects throughout the site. Shine On and Siemens have a great, long-standing relationship, so when the time came for the LED lighting component of the project, it was awarded to us.

### The project

The MCG is a massive stadium with hundreds of areas all with a different function and lights of all shapes and sizes. Our team had to systematically count and note every single light within the facility. We then conducted lighting designs of key areas which resulted in the design and manufacture of bespoke fittings for some complex areas. The whole project included the installation of nearly 12,000 new LED lights, while removing and recycling the old lights. A dedicated project manager and compliance manager were onsite for four months overseeing the project.

### Results

The new lighting saves the MCG 1,660 tonnes of CO2 per year. This equates to over \$400,000 per year in electricity bill savings, as well as an additional \$100,000 in maintenance to replace blown bulbs.

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