

Case Study

MELBOURNE CRICKET GROUND (MCG)

Solar I Monitoring

Challenge

The MCG is a known and loved iconic landmark in the Melbourne skyline and hosts up to 100,000 people during popular games and events. Sustainability is a vital and significant focus for the MCG, established through their policies and demonstrated through their various environmental schemes. The MCG's next step was to reduce their energy consumption and carbon emissions by generating their own power. EnergyAustralia, their Official Energy Partner, and Cherry Energy Solutions worked together to help solve some of the MCG's energy needs.

The MCG is a challenging site with a plan to renovate the Southern stands in the future while parts of the Northern stands had load issues and limited capacity.

Solution

As a commercial solar specialist, Cherry collaborated with the MCG and EnergyAustralia to propose a safe and customised 99.45kW system for the Northern stand roofs above the gate entries that were perfectly suited to solar and would efficiently power MCG's onsite water recycling facility. Excess generation will power stadium lighting and other areas of the venue. The monitoring system allows real-time energy usage monitoring and load management during peak hours.

Consisting of 221 x 450W Trina Tallmax panels, 2 SolarEdge inverters and 112 SolarEdge optimisers, the new solar PV system will save the MCG 112,193kWh and 114,436 kg CO2 per annum, equivalent to growing an estimated 1,892 seedlings for 10 years!

Annual carbon savings equivalent to

1,892 seedlings grown for 10 years





MELBOURNE CRICKET GROUND

99KW SOLAR + MONITORING