

Mount Isa Irish Club

Location

Mount Isa, QLD, 4825

Project Completed

April 2015

System Size

200kW

Estimated Annual Production

386MWh

CO2 Saving

336 Tonnes, that's 1,680 trees a year

Return on Investment

4.1 Years

15 Year Saving

\$2.47 Million

Solar Inverter

11 x SMA Tripower STP17000TL-10
2 x SMA Tripower STP15000TL-10

Solar Panels

800 Trina TSM-250PC05A

Array Structure

Flat array on tin roof

Tariff

43



Rising energy costs were the driving force behind the Irish Club looking into an alternative power solution to ensure the long-term viability of the club. Q Energy Solutions devised a 2-stage plan, which delivered a direct kilowatt-hour (kWh) offset of against the high tariff rates, saving the club money on their power bill as well as a large drop in the clubs reliance on the grid during daylight hours.

“Biggest solar-generating club in North Queensland”

The solar upgrade focused on the installation of 200kW of panels, which is estimated to save the business \$2.47 million over 15 years. On completion of this stage the club will be registered with the Office of Renewable Energy as a renewable energy power station, the first club of its kind in Queensland.

“We come in and record how each business uses power, we deal with facts which will see true identifiable return on investment.”

By implementing an Energy Management System QES were able to data log exactly how and when the club uses its power, preform analytics and tariff

analysis, ascertain trends in usage and monitor power quality. This information was vital in designing a solar power system to perfectly meet the demands of the Irish Club and see maximum returns on investment.



Considering a commercial solar project?

Contact us on 0447 400 748