SIEMENS

Press

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Siemens Technology Wins Two National Energy Efficiency Awards

Siemens building management technology was one of the big winners at the National Australian Energy Efficiency Council 2017 Awards held in November with two customers, Melbourne Cricket Club (MCC) and RMIT University, taking home the gongs for their energy efficiency upgrades. MCC's Melbourne Cricket Ground energy efficiency upgrade won the *Best Commercial Building Energy Efficiency Project* (above 2,000sqm) and the RMIT Sustainable Urban Precinct Program won the *Best 'Smart Energy' Project.*

The Australian awards are the latest recognition for Siemens' benchmark building technology solutions that have helped other iconic sites and locations worldwide, including Carnegie Hall, London Crystal and even Siemens headquarters in Munich win awards for energy efficiency and sustainability. To date, Siemens building technology solutions have helped customers save over 2,000,000 tonnes CO_2 per year.

Speaking on the achievement, Stefan Schwab, the head of Building Technologies for Australia and New Zealand, stated that, "It is a fantastic achievement to hear that customers using our technology won big at the national Energy Efficiency Awards recently. This is testament to the strength of our technology and the amazing work by our customers and our teams. At Siemens, we believe that sustainable development is the means to achieving profitable and long-term growth. I congratulate both MCC and RMIT on their visionary thinking and tackling the issue of sustainability head-on."

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Best Commercial Building Energy Efficiency Project 2017

Winner: Enhancing energy efficiency at the MCG

MCC partnered with Siemens to deliver an innovative Energy Performance Contract (EPC) to improve the energy efficiency of the Melbourne Cricket Ground (MCG) – the largest stadium in the Southern Hemisphere. The EPC drove the upgrade of existing practices as well as the installation of innovative efficiency systems at the stadium. Specific objectives were to cut water use at the ground by 5 per cent, reduce CO2 equivalent carbon emissions by 19 per cent annually and result in a utility cost saving of 20 per cent each year. This saves enough electricity annually to power the stadium's light towers for nearly six years.

Activities included installing an innovative Siemens building management system which allows the MCC to automate room bookings and functions – a first for a sports stadium in Australia. MCC also replaced half the existing MCG lights with LED technologies and implemented a 'smart' air-conditioning system that adjusts output based on the number of people in a room.

The work the MCC and Siemens have undertaken has delivered tangible sustainability results that have greatly exceeded expectations and cemented the MCG's status as one of the most energy efficient and environmentally friendly stadiums in the world.

The results to date included:

- Saving10 million kWh – an energy saving which is the equivalent of powering 1872 houses for a year
- Reducing energy consumption at the MCG by 23.9%
- Cutting Co2 equivalent carbon emissions at the stadium by 20,982 tonnes

Best 'Smart' Energy Project 2017

Winner: RMIT University - Sustainable Urban Precincts Program

The Sustainable Urban Precincts Program (SUPP) is the largest project of its type in the Southern Hemisphere. The SUPP represents a $128M commitment by RMIT to

reduce emissions associated with University operations (25% by 2020), whilst also delivering a step-change in asset management practices and end user experience. The SUPP was delivered across RMIT's three Melbourne campuses, with Siemens responsible for the City Campus, which takes up two entire blocks in Melbourne's CBD.

The RMIT project is the largest Energy Performance Contract (EPC) in the southern hemisphere, and has been seven years in the making. As part of the project a Distributed Energy System (DES) is being implemented. This encompasses new HV infrastructure as well as two cogeneration systems. Also included is Siemens building management system (Desigo) and Siemens software to monitor and analyse energy consumptions and savings.

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