

Royal Melbourne Institute of Technology (RMIT)

Sustainable Urban Precincts Program City Campus











Ranked in the top 1% of global universities¹



6% of Melbourne's CBD is covered by RMIT's city campus



The Sustainable Urban Precincts Program: The Sustainable Urban Precincts Program (SUPP) represented a \$128M commitment by RMIT to reduce energy and water use, significantly lowering greenhouse gas emissions associated with campus operations.

¹ 2017 QS World University Rankings.

A perfect place in numbers

37,000 KL of water saved per year



Now 50% annual reduction

Now 17,280



17,000 connected data points



12,000 lights replaced





* Figures refer to minimum guaranteed savings and works carried out as part of the Siemens Energy Performance Contract on the RMIT University Melbourne City campus.





Perfect places in practice RMIT University City Campus

"A once in a generation project that has provided RMIT with the means to effect a step change in energy use with a fundamental shift in momentum towards sustainability"



Solution from Siemens Most pressing issues Energy Performance Contracting (EPC) Reducing electricity, natural gas with guaranteed savings and Return On Investment and water use across the various buildings in the city campus Replacement of ageing assets with Greater control of space conditioning holistic precinct design approach Interactive dashboards for greater visitor experience Greater control of the facilities Modernization of control systems and selected mechanical assets Establishment of site-owned HV infrastructure and cogen plant to thermal conditioning create a Distributed Energy System (DES) solution Comfortable place to learn

Our guarantee
28%

CO₂ and greenhouse gas reduction

30%

Annual water savings

People

Dedicated on-site energy and operations manager

Technology

- DesigoTM automation system with smart control strategies
- DES solution incorporating HV ring main and cogeneration plant.
- Lighting redesign, chiller plant replacement, water conservation measures

Services

Digital services through Navigator – the cloudbased energy and sustainability platform



Panel

Michael Snow

Senior Manager Infrastructure

RMIT

Umer Mohammed

Head of Energy Performance Services

Siemens

Josh McIntyre

National Sales Energy Performance Services

Siemens

Q&A

Decarbonisation
Digitalisation
Sustainable Asset Renewal
Energy Resilience

SIEMENS