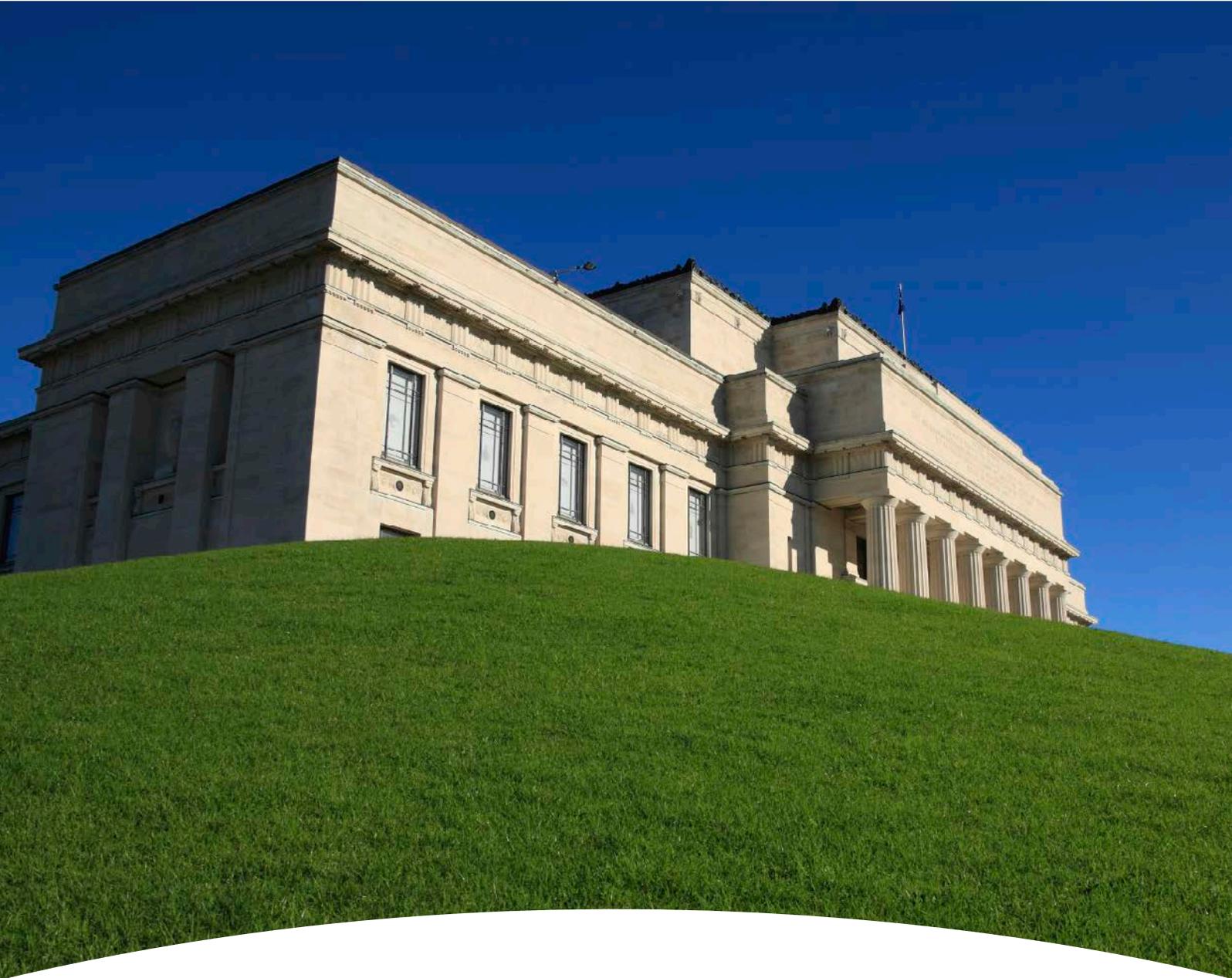


case study



Auckland War Memorial Museum, a green example

Intelligent integration of building management systems empowers Auckland Museum with the ability to monitor and control the environmental conditions to optimise preservation of artwork while also creating opportunities for significant energy savings.

Honeywell

Auckland War Memorial Museum

The Customer

With over 850,000 visitors per year, Auckland War Memorial Museum is one of New Zealand's most popular man-made tourist attractions. Established in 1852, this high-profile facility consists of a war memorial, heritage library, an array of Maori and Pacific artifacts, and attracts internationally significant exhibitions and provides educational services to over 60,000 school children annually. Recent refurbishment of the museum has introduced an architecturally inspiring dome, enabling panoramic reviews across surrounding areas which has created a premier function venue for this facility.

Business Drivers

With the growing importance of sustainability throughout New Zealand, Auckland Museum was focused on green initiatives, reducing their energy usage and supporting the Auckland Council's environmental strategies. They also sought a more consistent environment, comfortable for patrons but with optimised temperature for the display and storage of invaluable artifacts. Variation in the humidity raises the risk of damage to artifacts, hence an intelligent solution enabling facility wide monitoring and control of their heating and ventilation system (HVAC) was required.

The Solution

The Honeywell solution involved the implementation of the Enterprise Buildings Integrator solution with integration into the mechanical equipment and HVAC system. This solution focuses on empowering facility management at Auckland Museum to maximize the value this intelligent integration solution could bring to their facility with:

- Enterprise wide transparency enabling timely monitoring of humidity levels
- Control of mechanical equipment from a single access point for easy tuning of systems
- Ability to enhance the museums energy profile through optimisation and tuning of the HVAC system
- Ability to trend energy usage, predict peaks and decrease wastage

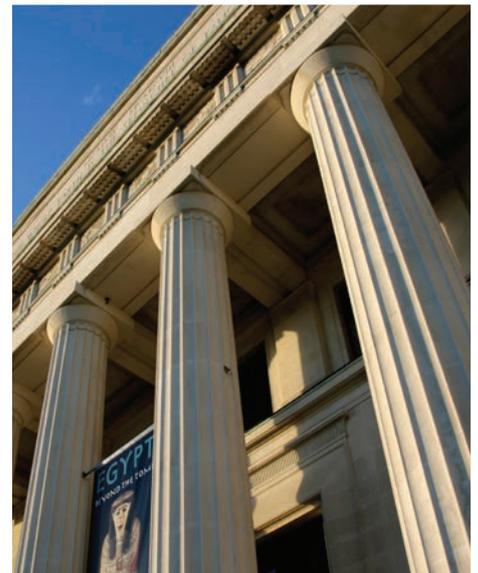
Results

- Honeywell has supported Auckland Museum in achieving sustainability milestones and reductions in greenhouse emissions.
- Enterprise wide view of HVAC and mechanical systems empowers the museum with greater control and the ability to make continual improvements to their environment lowering the risk of damage to artifacts and art alike.
- Enterprise wide control of mechanical services from a single workstation enabling streamlined processes and operational efficiencies.
- Honeywell has contributed to the significant energy efficiencies achieved by Auckland Museum's sustainability programme which are reflected by the following results:
 - 31% reduction in carbon footprint over a 2 year period.
 - 35% reduction in energy over a 3 year period.
 - \$340,000 NZD annual savings after only 3 years of implementation.



'Our goal is to lead the way, set the standard for others and contribute to the success of Auckland Council's environmental and tourism strategies.'

Roy Clare, Auckland Museum
Director



Find Out More

To learn more about
Honeywell Building Solutions, visit
www.honeywell.com.au/hbs

Honeywell Building Solutions

**Regional Head Offices for South East Asia,
Pacific, Middle East & Sub Saharan Africa**

Australia, North Ryde, NSW, +61 2 9353 7000

India, Pune, +91 20 6603 9400

Middle East, Dubai, United Arab Emirates, +971 4 3244 240

New Zealand, Auckland, +64 623 5050

South East Asia, Singapore, +65 6355 2828

Sub Saharan Africa, Midrand, +27 11695 8000

E-mail: energy.encyency@honeywell.com

www.honeywell.com

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Honeywell is a leader in the technologies that control 40%-80% of a building's energy. So we are ideally qualified to help organisations better understand, control and reduce their energy consumption. With our depth of experience in delivering sustainable outcomes, Honeywell can help you with complete, reliable solutions – wherever you are on your sustainability journey.

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