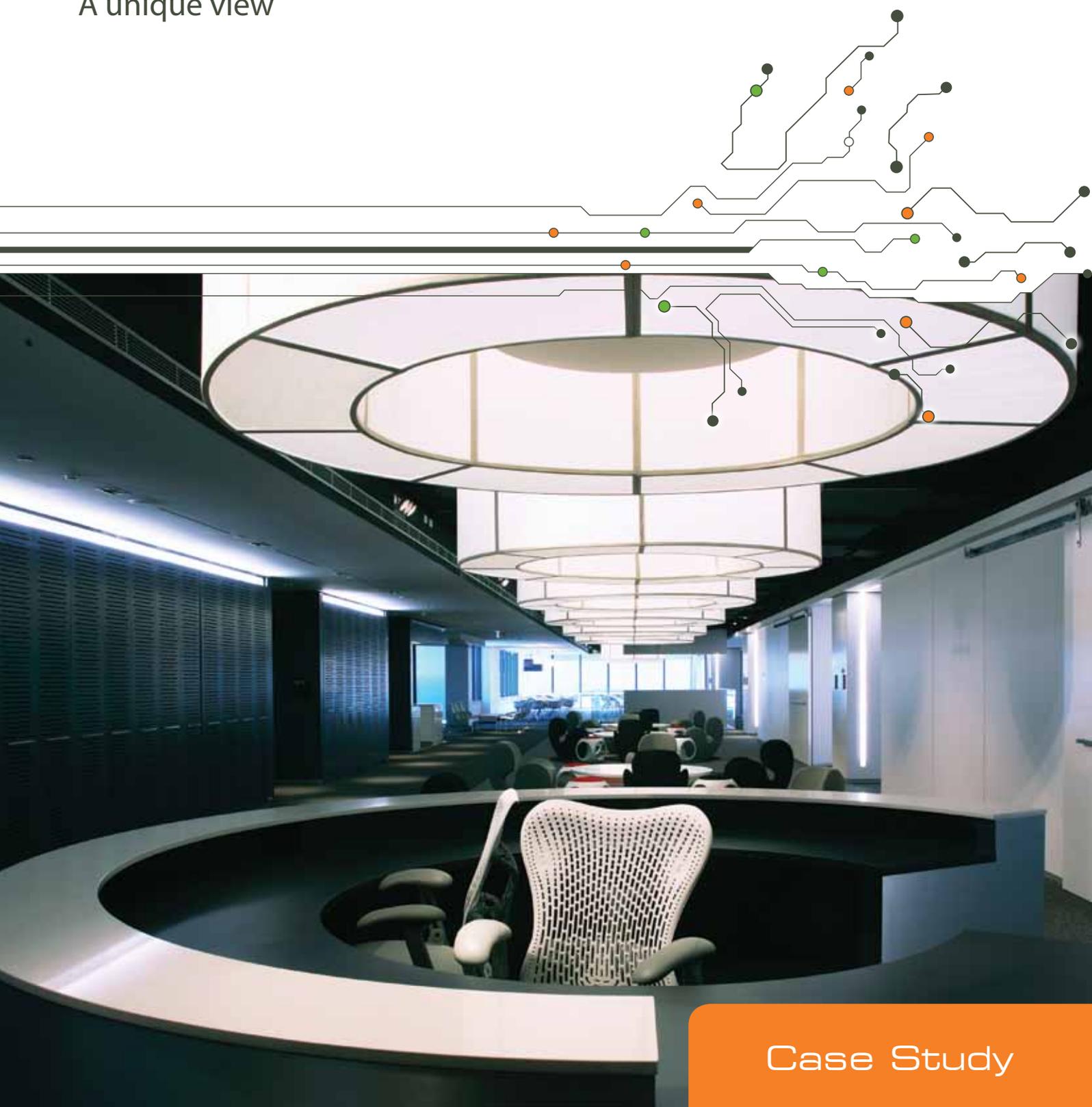


mySmartCTI™

Westpac Place

A unique view



Case Study

Westpac Place

A unique view

Project Details:

Location	Sydney, Australia
Type of Building	Commercial Office
Investor	Leighton Properties
Architect	Johnston Pilton Walker
Builder	Leighton Contractors
Electrical Consultant	Webb Australia Group
Electrical Contractor	Stowe Australia

Westpac Place on Sydney's Kent St houses the Australian Headquarters for the Westpac Banking Corporation. Comprising two black glass towers and a striking three story podium with a spectacular inclined north-facing façade it is the work of architects Johnson Pilton Walker.

With its prime location affording views across Darling Harbour and the CBD it has an NLA of 74,000m² over 32 floors and accommodates around 5,000 employees on some of the largest floor-plates in Sydney. Working with tenancy interior architects Geyer Design and Hassell, Westpac pioneered use of a campus-style layout, now becoming common-place in CBD office developments.

A unique feature of the award winning Johnson Pilton Walker design, and one that confused many a Sydney-sider as to its exact function on the opening of the building, is the 25m tall white-lit glass tower located on the roof. With its eight red LED light bars it is a functioning barometer and links Westpac Place to its maritime location on the historical 18th century shoreline of Sydney Harbour.



Westpac Place

A unique view



Westpac Place Lighting Control

It has been recognised for some time that a well-designed office environment will result in better productivity with fewer absences and increased teamwork whilst using fewer resources. In creating its benchmark corporate headquarters Westpac placed a high value on having a well researched and implemented intelligent lighting control solution. **mySmartCTI**, formerly known as CTI Australia was responsible for supply and commissioning of this lighting control system. Designed by Webb Australia the DALI-based system encompasses the various aspects Westpac required including creating a balance between functionality and aesthetics whilst minimising energy consumption. The lighting system is also linked to the Building Management System giving an increased level of performance and flexibility.

To accommodate these design requirements one of the world's largest DALI projects was installed and commissioned by **mySmartCTI**. With 35,000 light fittings, key to the flexibility of the system is that each of the light fitting ballasts is individually addressable and should the need arise, this allows for any light within the system to be re-programmed in the future. In order to facilitate the control and programming of the DALI ballasts the lighting is linked to a high-speed Ethernet network via an Ethernet gateway. In fact, there are two independent lighting control systems; one for the Westpac offices and one for the communal areas with each system having its own >



➤ server and Ethernet connection. Tridonic Atco's winDIM@net, a lighting control and management software, allows operation and monitoring functions of the lighting system to be handled from a central point. winDIM@net also provides reporting capabilities, such as lamp or hardware failures and current dimming levels offering prompt and accurate information for the facilities management team.

Relays control automated blinds on the facade and projection screens in meeting spaces throughout the building. winDIM@net is networked to the Audio Visual system and the Cisco telephones with lighting scenes programmed for different tasks such as conferences and presentations. This means that with the press of a button on a telephone or touchscreen the lighting control system configures the area for the purpose ensuring ease of operation for the users.

The landmark barometer is also controlled via the lighting control system with a sensor on the roof determining the amount of ambient daylight. The control system then adjusts the brightness of the red LED bars and the interior lighting of the column accordingly.



Energy Savings through Lighting Control Optimisation

One of the highlights of this project was that during the commissioning phase it was determined via light level measurements that to achieve the required LUX level on each floor the lights only had to run at a maximum of 75% of their possible output. By reducing the output of the lights in this manner there is a 20% saving on top of the significant energy savings gained through the use of efficient T5 lighting. Such a saving shows the clear benefits of optimising a lighting control system through the commissioning and post commissioning processes.

mySmartCTI is extremely proud to have been involved in the Westpac Place project as although now surpassed by Sir Norman Foster's Heathrow Terminal 5 project, it was at the time of completion the world's largest DALI-controlled lighting system offering high levels of comfort, flexibility and energy efficiency.



Design » Deliver »
Optimise » Guarantee

About mySmartCTI

mySmartCTI is an Australian company that prides itself on making a positive difference for its customers, their employees and the environment. **mySmartCTI** helps to create the most energy and resource-efficient environments possible.

Using the latest technologies with highly trained consultants and service technicians, **mySmartCTI** is able to optimize buildings and outdoor built environments so they are more comfortable and use less energy and resources with a resulting reduction in ongoing operational costs.

Established, originally as Complete Technology Integrations (CTI), in Sydney in 2001 before being rebranded in 2011, **mySmartCTI** remains wholly Australian owned. With almost 50 staff it has offices in Sydney, Melbourne, Brisbane, Canberra and Perth. The company operates across a range of markets, including hospitality, education, health services, aged care, retail, residential, defence and Industrial.

mySmartCTI's solutions include:

- › Lighting control solutions which provide daylight harvesting and timed control
- › Basic and high performance metering and reporting solutions for energy, solar, water and gas usage
- › enGauge behavioural change displays for showing energy usage and savings
- › Fully integrated building automation systems providing lighting and façade management control, audio-visual interfacing, HVAC control, reporting and central control.
- › Hotel room control systems for controlling lighting, HVAC and blinds with full integration to the hotel check-in system
- › Stand-alone intelligent motion sensors
- › Unique custom solutions



mySmartCTI™

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