mySmartCTI™
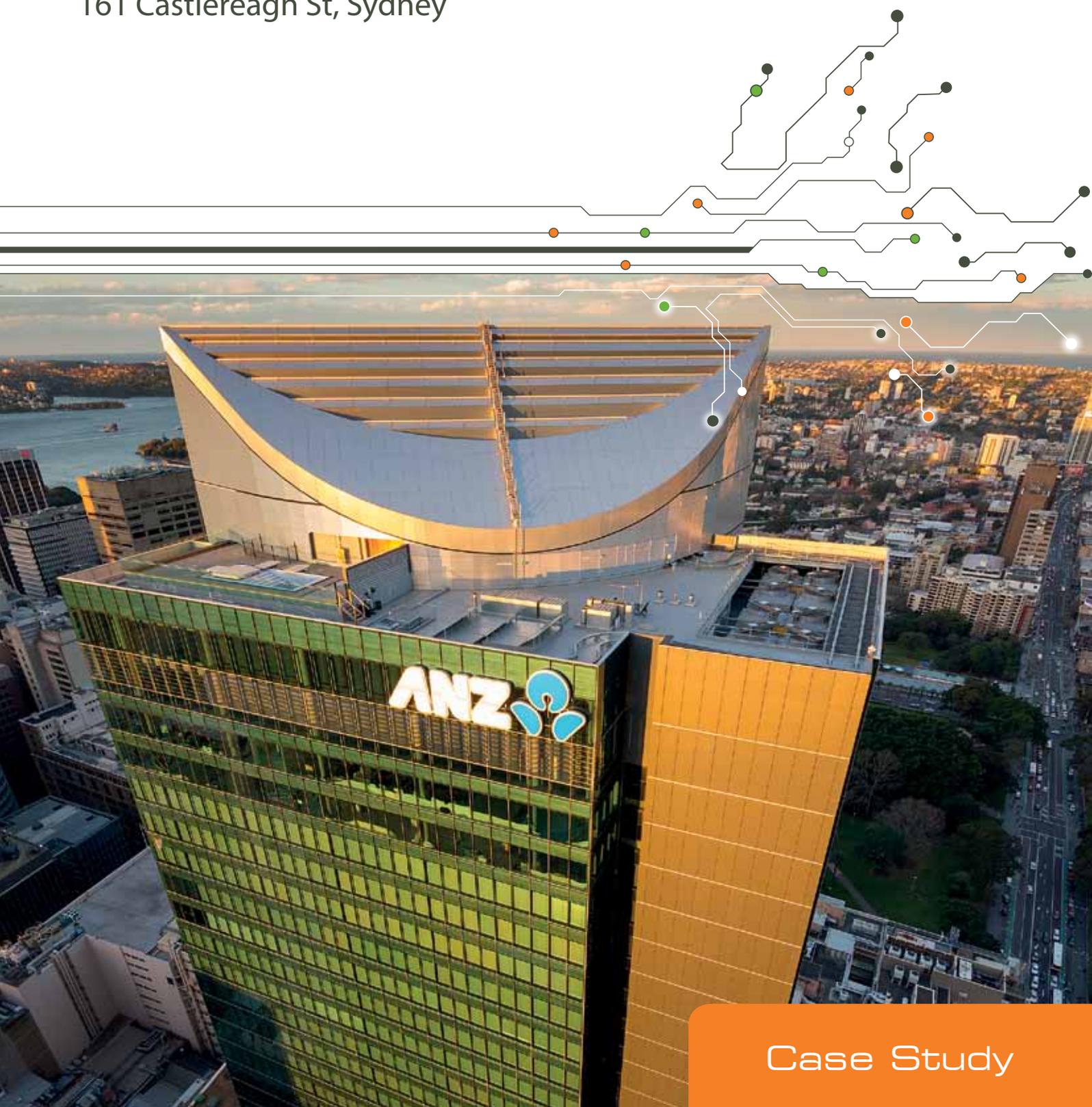
ANZ Tower
161 Castlereagh St, Sydney

ANZ Tower
161 Castlereagh St, Sydney

Project Details:

| Location	Sydney, Australia
Type of Building	Commercial Offices
Investors	GPT Group, LaSalle Investment Management and ISPT
Architect	Francis-Jones Morehan Thorp
Developer	Grocon
Electrical Consultants	Aecom (Base Building) Cardno (ANZ Fitout) NDY (HSF & BCG Fitouts)
Electrical Contractors	Heyday Group (Base Building) KLM Group (ANZ Fitout) John Goss Projects (HSF Fitout) Kerfoot Electrics (BCG Fitout)

ANZ Tower is the newest spectacular addition to the Sydney skyline and has been awarded the highest possible 6 Star Green Star - Office Design v2 rating by the Green Building Council of Australia.

Developed by Grocon and designed by leading architects Francis-Jones Morehan Thorp the building is home to ANZ Bank, global law firm Herbert Smith Freehills and Boston Consulting Group. Officially opened in September 2013 ANZ Tower has a Net Lettable Area of 59,000m2 over 44 levels and features a number of sustainability features including high efficiency chillers, a tri-generation plant, a thermally shielded automated façade and rainwater harvesting. The design of the building's iconic roof structure and highly glazed façade allows high levels of daylight into the floor-plate.

One of the key sustainability initiatives in the building is the KNX lighting control system from KNX Award-winning Systems Integrators **mySmartCTI**. At over 1,800 devices this is the largest and one of the most prestigious KNX projects in the Southern Hemisphere.

mySmartCTI is immensely proud to be associated with ANZ Tower and has relished the opportunity to deliver an iconic KNX project of such size, scale and performance.
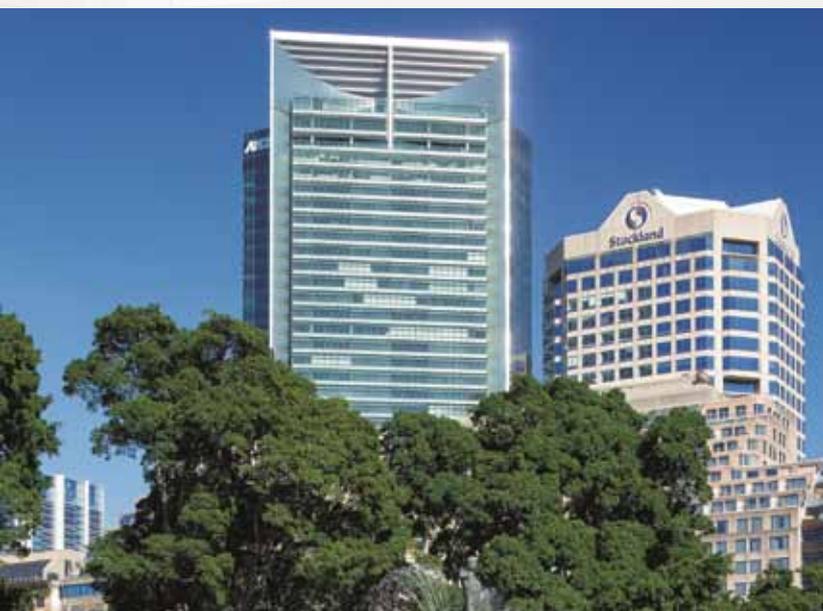
Design » Deliver » Optimise » Guarantee

mySmartCTI

KNX Lighting Control System

MYSMARTCTI WERE AWARDED THE FOUR MAJOR COMPONENTS OF THE LIGHTING CONTROL SYSTEM COMPRISING THE BASE BUILDING AND THE TENANCY FIT-OUTS OF ANZ, HERBERT SMITH FREEHILLS AND BOSTON CONSULTING GROUP.

The two main requirements of the lighting design were the need for flexibility in configuring the open-plan office spaces, including any future reconfiguration, and the need to maximize the efficiency of the lighting solution to reduce energy consumption.

The lighting control solution uses KNX control with the lighting ballasts on DALI networks. KNX/DALI Gateways from ABB ensures streamlined connectivity. An ABB KNX touchscreen located close to the lift core on each level and Hager KNX wall switches strategically located throughout the floor allow the users to manually operate the lighting in specific areas when required.

Design » Deliver » Optimise » Guarantee

Energy Efficiency

To ensure the building's lighting system uses the minimum amount of energy daylight harvesting and presence/absence detection strategies have been employed. KNX detectors throughout the building constantly monitor the ambient daylight levels across the floor and automatically adjust the lighting to suit. Combined with the presence detectors this ensures that the optimum light level is delivered whilst reducing energy wastage. Specific attention has been paid to after-hours lighting. Naturally the safety and security of any occupants working late is paramount and this is ensured whilst also using a minimum level of energy to do so. This is achieved through the highly flexible lighting control solution and numerous user interface points.

Audio-Visual Interfacing

A highlight of the project has been the interfacing of the tenants' AV requirements into the KNX lighting control solution. To achieve this over 30 AMX KNX interfaces have been used throughout the building's meeting spaces allowing the setting of lighting scenes and controlling the curtains and blinds within these rooms.

BMS Interfacing

An Ethernet backbone runs through the building linking the NETx Automation Voyager based lighting control server to the various KNX networks. Finally the KNX lighting control solution is interfaced to the Building Management System via a KNX/BACnet Interface. This allows scheduling of the lighting in areas throughout the building including offices, carparks and the external lighting and signage from the BMS.

mySmartCTI™

Why KNX for ANZ Tower?

IN ANSWERING THE QUESTION AS TO WHY DID **MYSMARTCTI** CHOOSE KNX FOR ANZ TOWER OVER A PROPRIETARY SOLUTION, ONE MUST FIRST CONSIDER THE KEY BENEFITS OF THE KNX PROTOCOL.

› KNX is a global standard
› Over 300 KNX manufacturers/members globally
› KNX products from all manufacturers are certified to be compatible
› All KNX manufacturers must be ISO9001 compliant
› KNX is independent from any hardware or software technology

For a systems integrator such as **mySmartCTI** the use of KNX in a project means that there is an almost infinite range of products to choose from and we know that these products will all happily co-exist and function together within the project.

For building owners, managers and tenants these key benefits of KNX will lead to better performance and reduced maintenance costs over the lifespan of the building. This is because as updated or improved KNX products or solutions become available they can be easily incorporated knowing that they are fully certified and compatible with the existing KNX solution.

An additional reason for the use of a KNX solution on the ANZ Tower project was that the tenant clients both had specific requests regarding the finish and functionality of the sensors and user interfaces that were simply not achievable with proprietary systems.

## 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
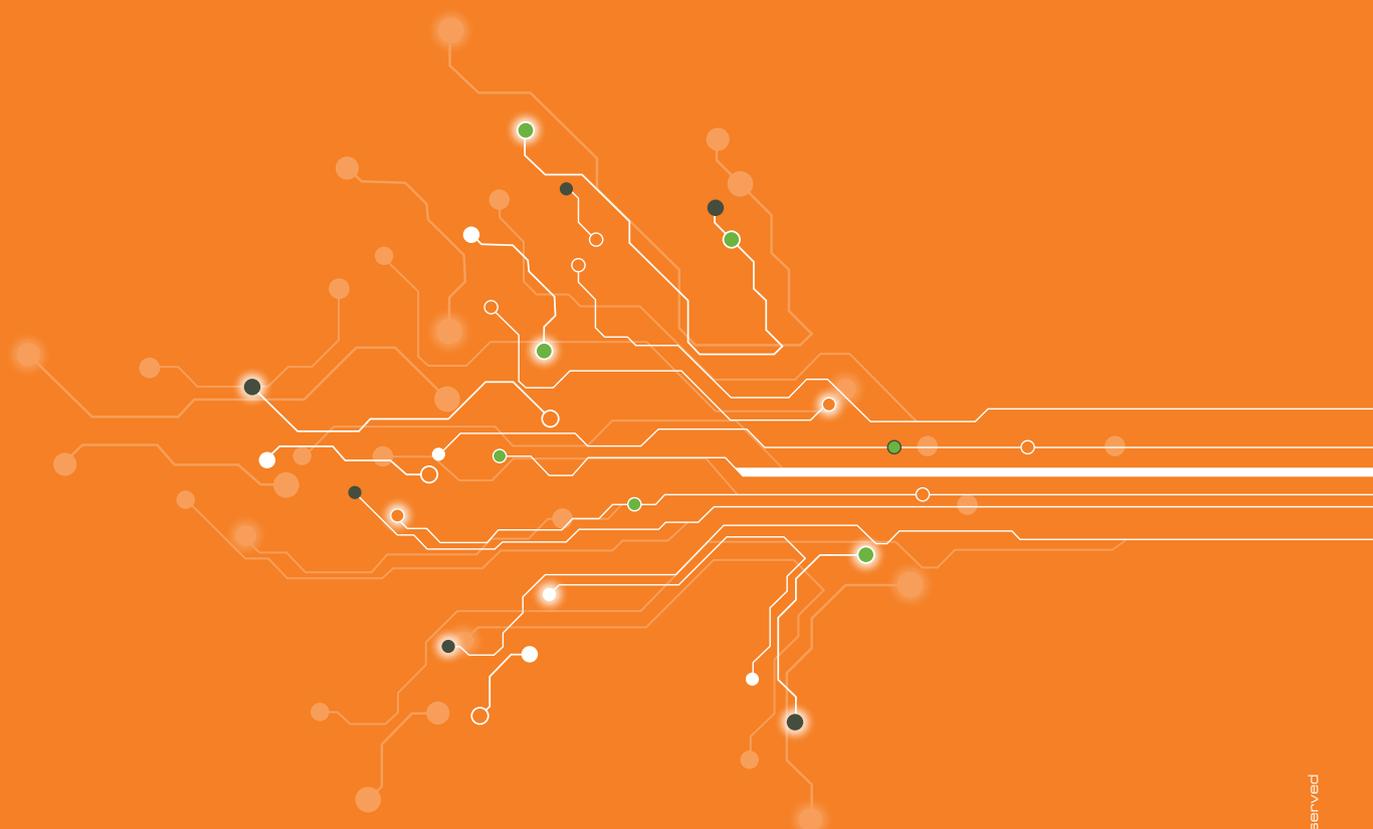
mySmartCTI™

mySmartCTI™

1300 697 627
www.mySmartCTI.com.au

SYDNEY | MELBOURNE | BRISBANE | CANBERRA | PERTH