

# EFFICIENCY

## Spectacular lighting illuminates Hilton

Schneider Electric's advanced, sophisticated lighting control delivers stunning ambience and helps Hilton Adelaide further differentiate as a premier conference and event facility.

Hilton Adelaide - Adelaide, South Australia



Grand Ballroom. Image courtesy Hilton Adelaide.

## Introduction

Hilton Adelaide is regarded as one of South Australia's leading hotels, providing luxury accommodation and conference facilities to thousands of people from around the globe each year. In keeping with innovation, Schneider Electric's EcoStruxure™ Lighting Expert lighting control system further enhances the reputation of this outstanding hotel.

The Grand Ballroom and conference/meeting facilities of Hilton Adelaide gives patrons the chance to experience the true benefits of Lighting Expert. Prior to Lighting Expert being installed in the Hilton Adelaide, the hotel's reputation was already exceptional, but the venue is now enhanced by the capabilities and flexibility of C-Bus. This has given further rise to the hotel's cutting edge reputation in the marketplace for major events and functions.

## Stunning Scenes

The Lighting Expert was designed and configured to meet the specific needs of the hotel and the clients. A key element of the system are the scenes and modes, which can be easily customised and adapted according to events and time of day.

The décor throughout the hotel has been enhanced with light, and at the press of a button the entire mood of the room can be transformed, made possible through the theatrical lighting circuits and integrated dimmers.

All areas have individual scenes programmed, providing users the flexibility to create an atmosphere that suits the various moments throughout their meeting, conference or special event.

The touch screens, located in each of the 14 function rooms provide users control of the entire lighting ambience. The powerful dimming capabilities allow for lights to be set for every function, from an expo or conference through to a wedding. The scenes which have been programmed can create a soft, romantic mood; a calm, relaxing mood or a bright, vibrant mood, simply by initiating a scene via one of the touch screens.

## Goal

Add advanced, sophisticated lighting control to further differentiate the property as a premier conference and event facility.

## Story

The hotel wanted to install a solution that would create a stunning and unique environment throughout the hotel with a series of diverse, pre-programmed and automated lighting effects.

## Solution

Interior designers, Carr Design Group and lighting designers, The Flaming Beacon, worked with Schneider Electric to implement our EcoStruxure Lighting Expert intelligent lighting control system, which delivered a state of the art, flexible, robust and energy efficient solution.

## Results

Integration of the building management and lighting control systems enables advanced energy efficiency due to scheduling and occupancy-based adjustments.

“Cleaning and room set-up modes have also been programmed, allowing for significant energy savings to be made, due to lights only being set at 50 percent,” said Bill Ryan, Project Manager from Laser Electrical.

### Better For Business

The ground floor Victoria Room, one of the most popular rooms in the hotel, is equipped with the Lighting Expert solution, enabling the implementation of mood lighting and scene control via the touch screen. The pre-function area has a dimmable fluorescent light box table used for decorative purposes and to serve coffee, tea and beverages, which is also controlled by Lighting Expert.

The function areas have been further enhanced with the use of other Schneider Electric products throughout the entire hotel to complement the décor, including C2000 switches, power and data outlets fitted with the unique ID labelling.

### Energy Efficiency

In conference rooms, Lighting Expert 360° multi-sensors monitor occupancy and turn lights off 30 minutes after the last person leaves. The hotel’s building management system (BMS) has a high level interface with the lighting control system providing seamless communication. The synergy of both systems creates energy efficiency when scheduling function room bookings for HVAC and lighting requirements.



*Light box in the Victoria Ballroom foyer.  
Image courtesy Hilton Adelaide.*

The touch screen located in each room allows for manual and automated control of lighting, messaging and blinds. The balcony function room’s blind control incorporates an automated time schedule to minimise thermal transfer.

Lighting Expert is also integrated with the door access control system. The system’s touch screen can unlock the automatically closing door to allow exit from the room.

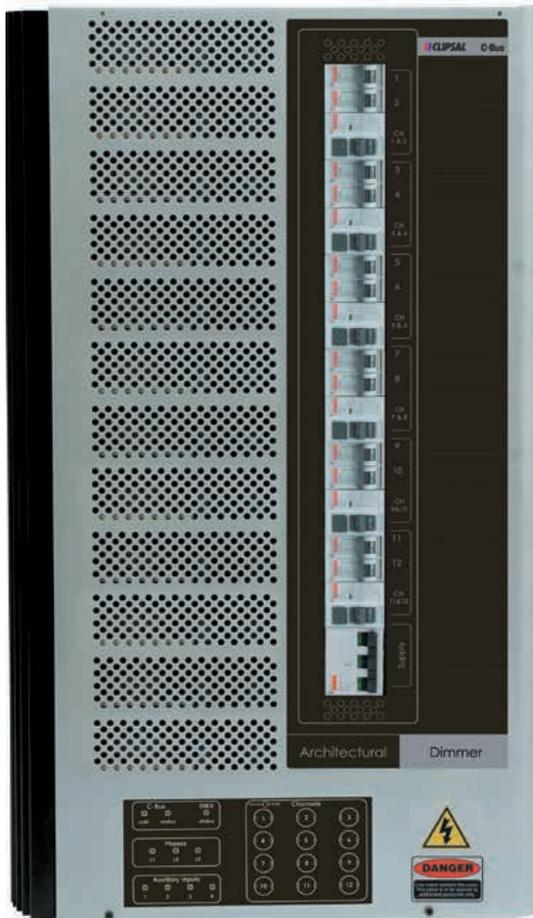
Infrared remote controls in the conference rooms provide further flexibility and operability for clients. The remotes control lighting functions and implement moods according to the user’s requirements. This function is perfect for meetings or conferences, allowing the lights to be dimmed for presentations with minimal effort.

“Preprogrammed scenes “can create a soft, romantic mood; a calm, relaxing mood or a bright, vibrant mood, simply by initiating a scene via one of the touch screens... Cleaning and room set-up modes have also been programmed, allowing for significant energy savings to be made, due to lights only being set at 50 percent.”

— Bill Ryan,  
Project Manager,  
Laser Electrical



*Lighting Expert integrates with the Balcony conference room’s automated blinds.  
Image courtesy Hilton Adelaide*



Light box in the Victoria Ballroom foyer. Image courtesy Hilton Adelaide.

### Infinite Dimming Possibilities

A recent addition is the inclusion of the Infinity Professional and Architectural dimmer range, specifically designed for function areas and ballrooms. The new dimmers have been used for the hotel's Level One balcony function rooms and ballrooms, which are illuminated by an extensive amount of architectural lighting, including track lights.

The Lighting Expert 12 channel Infinity dimmers provide the hotel with key requirements such as:

- universal dimming
- modular interchangeable cards
- onboard circuit and RCD protection
- DMX controllable lighting
- multi-purpose control card 0-10V / DSI / DALI / relay.

### Grand Entrance

Hilton Adelaide's majestic 550 seat capacity Grand Ballroom is the centrepiece jewel of the hotel. Designed for major conferences, wedding functions, and gala events, the powerful touch screen control of the Lighting Expert system complements the ballroom, allowing the perfect ambience and mood to be created.

The Grand Ballroom's spectacular lighting effects are illuminated by stunning circular architectural fittings, each concealing a cluster of dichroic lights.

Complementing the lighting configuration is the room's ring of massive floor to ceiling steel mesh wall curtains which can change from subtle to striking textures when lit. Hues include soft white or a warm amber glow to further enhance the dramatic ambience of the room.

The ballroom can be divided into three separate rooms for smaller functions. The flexibility of Lighting Expert accommodates any configuration of the Grand Ballroom with local touch screen control when split and common control at each touch screen when joined via the room linking function.

A key requirement of the ballrooms was for Staging Connections, the in-house AV stage lighting company, to have full control of house lighting during an event. The DMX compatible Architectural dimmers provide seamless integration and lighting transitions for any function from the stage lighting desks.



Lighting Expert touch screens programmed to divide the Grand Ballroom into three lighting zones.



*Business lounge provides a location to monitor and control the C-Bus system.  
Image courtesy Carr Design Group.*

Project  
Hilton Adelaide

Interior Designer  
Carr Design Group

Lighting Designer  
The Flaming Beacon

Consulting Engineer  
AECOM

Builder  
Mossop Group

Electrical Contractor  
Laser Electrical

### Added Benefits

Another unique aspect of the Lighting Expert solution is the coffee and message status function. This allows the Hilton staff to let clients know that there was a call or that coffee/morning tea is served without interrupting proceedings.

The function also allows guests to call a waiter, order coffee, food or other refreshments, all by simply using the touch screen located just inside the door. Indicators on the wall at the entrance alerts guests that catering is ready and messages have been received.

### Total Control

Not only is the lighting design throughout the hotel amazing, but also the full potential of the design is maximised by the implementation of the Schneider Electric Lighting Expert system. This has provided the Hilton Adelaide with even further acclaim and flexibility.

The Business Lounge, located in the heart of Level One, is yet another control hub for the Lighting Expert system. The Schedule Plus graphical software front end computer allows the Business Lounge Manager to access, monitor and adjust the lighting levels.

From this central location various modes can be implemented offering greater flexibility to the different parties who may be using any one of the function or meeting rooms at any one time. Total control outside the rooms is beneficial during conferences, extended meetings or even special presentation evenings, when scene changes are required, but must be implemented without disrupting the proceedings.

Acknowledged as an outstanding 5 Star Hotel, the refurbishment clearly demonstrates the use of innovative technology to cater for the busy and constantly changing demands of the hotel. Complementing the Hilton Adelaide's push as South Australia's leading business function venue, it is no surprise that the hotel has been rewarded with several prestigious awards, including the Meetings and Events Associations's (SA) Best Meeting Venue.

# EcoStruxure™

## Innovation At Every Level

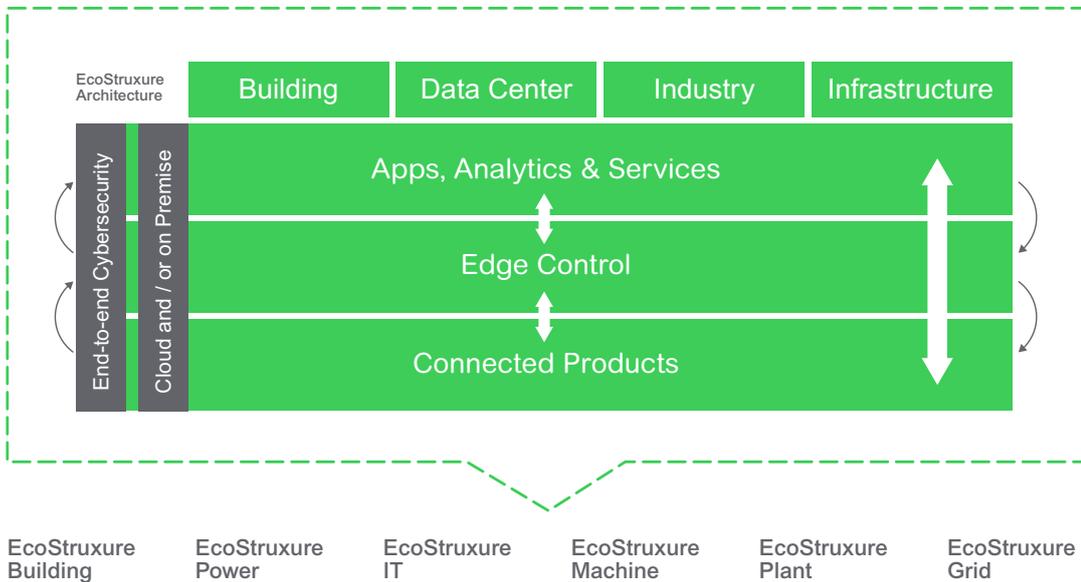
IoT-enabled solutions that drive operational and energy efficiency

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EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers.

EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level including Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure has been deployed in 450,000+ installations, with the support of 9,000 system integrators, connecting over 1 billion devices.

One EcoStruxure architecture, serving 4 End Markets with 6 Domains of Expertise



### Connected Products

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Innovation transforms landmark Fort Garry Hotel

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