

EFFICIENCY

Luxury meets efficiency at Crowne Plaza Adelaide

Crowne Plaza Adelaide – Adelaide, South Australia

Schneider Electric's EcoStruxure™ for Hotels solution delivers guest satisfaction, connectivity, safety, reliability, and energy efficiency to this award-winning hotel property.

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Image courtesy of Crowne Plaza Adelaide

Introduction

Situated in the heart of the Adelaide CBD, the Crowne Plaza Adelaide is a contemporary 4.5-star hotel with luxurious features, including a signature restaurant, deluxe accommodation, meeting facilities, health and fitness center, and a lap pool with spa.

The hotel was developed by Hines Property, a group well known as a market leader in environmentally sustainable design and innovation and as a pioneer for 'green' high-rise development in Australia. Opened in August 2010, the Crowne Plaza boasts more than 300 accommodation rooms over 15 levels, fitted out with stylish decor and the latest in technology. To complement these luxurious features, and aid in the reduction of operating costs and ongoing sustainability, the hotel required an energy-efficient and reliable electrical system.

Electrical solutions from Schneider Electric were selected for the hotel by Pruszinski Architects, in conjunction with Lucid Consulting, the project's electrical consultants. The products chosen provide a complete electrical solution for the project and are both functional and complementary to the hotel's modern style. Schneider Electric's local support was a significant factor in the success of the project.

Efficiency and guest experience

The nature of hotels is such that many guests occupy the rooms for only a few hours during the day. For this reason, all services in the rooms need to be easy to use, but also, they must be smart enough to maintain energy efficiency for guests who are becoming more conscious about their environmental footprint when traveling.

In line with the hotel's overall energy saving strategy, energy usage is minimized in the suites through the use of occupancy-based energy management technology which turns off lighting, air conditioning, and dedicated power circuits when guests are not in the room.

The style of the rooms, as designed by the architect, has been complemented by the selection of Modena switches and power outlets in the guest rooms. These switches feature a large curved rocker switch color matched to suit the rooms, and are one of the highlights of the electrical decor. In the bathrooms, the 2000 Series shaver power outlets and light switches were selected for

Goal

Design and install hotel technology systems that would support the developer's goals for energy efficiency and sustainability.

Story

In collaboration with Pruszinski Architects and Lucid Consulting, Schneider Electric provided lighting control, guest room management, and electrical distribution solutions throughout the hotel to improve guest satisfaction, connectivity, safety, reliability, and energy efficiency.

Solution

- EcoStruxure™ Lighting Expert lighting control system
- Modena switches
- 2000 Series power, shaving, and data outlets
- Circuit protection
- Security access control

Results

- Energy efficient lighting control
- Reliable electrical solution
- Safe and secure
- Stylish and decor matching switches and outlets



300

Number of rooms

15

Number of floors

“Our guests expect our electrical outlets to be both functional and pleasing to the eye. Our employees look for functionality, and from a business perspective, efficiency is critical. The Schneider Electric products meet our requirements from all these aspects.”

— Linda Collis,
General Manager,
Crowne
Plaza Adelaide

their functionality. Business and holiday travelers are well catered for at the in-room desks, where 2000 Series power and data outlets have been installed for connectivity.

Business travelers are also well looked after in the hotel’s ground floor business center. This is a professional business environment where visitors can use the hotel’s internet connection, phone and printing facilities. In this area Slimline power and data outlets have been used to enable guests to carry out tasks efficiently as a pseudo office away from home.



Modena power outlet and dimmer

Intelligent building infrastructure

Technology was embraced in the hotel design, with a Cat 6 data cabling system installed to provide connection for all television outlets via an intelligent back bone infrastructure for the MATV system. This ensures the television picture is clear, and also allows the hotel to run its own channels and communications through the same data system.

Professional venue

A feature of the hotel is the corporate function and conference area. Located on the top floor, the function area offers panoramic views over the city. This professional space is simplified by the use of integrated technology, which is easy to use and appears seamless to staff,

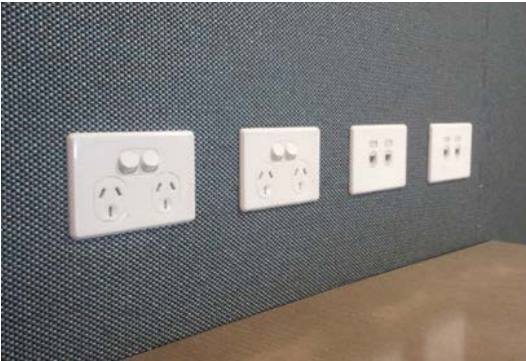
presenters, and audience members alike. Central to this technology is a EcoStruxure Lighting Expert lighting control system, which has been integrated with the AMX audio visual system. The AMX system’s seamless integration with the Lighting Expert lighting control system allows for lighting presets and scenes to best suit the presentation mode.



2000 Series shaver power outlet



The function space features a Lighting Expert DLT switch



Slimline power and data outlets

The function space, which can cater for 380 delegates, has the flexibility for the rooms to be divided into one, two, or four areas. Each area has a Lighting Expert DLT switch for local and total control of the lighting scenes. Connectivity in the rooms is provided by cable management floor boxes, positioned strategically within the auditorium space. These allow users to access data and power from within the floor area. For further energy savings the Lighting Expert lighting control system schedules the lights in this area to turn off between midnight and 5 a.m. each day. In other areas of the hotel there are smaller, modern meeting rooms, fitted out with Lighting Expert lighting control and AV technology.

Seasonal meals with stylish switches

The heart of any hotel is the fine dining and bar. A prominent feature at the Crowne Plaza, the Redsalt Restaurant and Bar, is situated on the ground floor and overlooks the gardens in Hindmarsh Square. Indoor and outdoor seating options are available for diners who wish to sample the seasonal menu. Inside the restaurant, a Lighting

Expert lighting system has been installed to allow employees to dim lighting and create a perfect ambiance during the evening meal.

Simple control of the lighting is achieved using Saturn DLT switches, positioned near the bar area and kitchen space. Slimline brushed metal general power outlets have been installed on the main pillars to allow for power access for staff. The 56 Series Industrial Outlets have been used in the kitchen to provide safe and reliable power for all bench tops.

Fit for purpose

To achieve energy savings in the guest gym and pool area, automated lighting control is implemented using C-Bus PIR presence sensors. To cater for the harsh environments in this area, weatherproof general power outlets have been installed to provide power for the exercise machines, televisions, and cleaning equipment. Data outlets have also been installed in some of these areas.

Holistic energy savings

To maximize energy efficiency, a Lighting Expert lighting system has been used to control lighting in the public and back of house areas, such as hallways, lift, lobby, gym, car park, and public restrooms. C-Bus PIR motion sensors have been set up to turn lights on only when someone is detected in the area. Once the person leaves, and no movement has been detected after a set period of time, the lights automatically turn off. A similar program has been set in the main corridors, where lighting remains on at a low level at all times, and then ramps up to a higher level when someone is detected in the area.

Safe and secure

Reliable power and protection of the electrical circuits is critical for the hotel. To meet this need, Schneider Electric circuit protection has been used to provide reliable, accessible power with circuit protection to ensure the electrical system is protecting staff and assets.

“Schneider Electric was engaged for the project because of its reliability in terms of product and product support. The sales team were an excellent asset in their support and assistance to Lucid during the design and construction phases of the product.”

— Lee Pappageorgiou,
Associate,
Lucid Consulting



Schneider Electric security and access control ensures the hotel is safe and secure for guests and staff. Using a central proximity card system, hotel management can allocate access to relevant staff, while keeping guests away from restricted areas.

Successful award-winning project

Delivering on the Crowne Plaza's requirements for a modern, easy-to-use, high quality, and reliable electrical solution, Schneider Electric completed the supply of the project within delivery deadlines and to the prescribed budget.

Constant communication between Schneider Electric representatives and the client facilitated this smooth outcome.

"Lighting Expert is a fantastic system." Raymond Herewane, Maintenance Manager with Crowne Plaza Adelaide.



The Crowne Plaza Adelaide has been awarded:

- 'Best new Tourism Development' in the 2010 South Australian Tourism Awards
- 'Best Deluxe Hotel' in the 2011 Accommodation Association of Australia Awards
- 'Australia's Top Tourism Development' in the 2012 Property Council of Australia Innovative and Excellence Awards

EcoStruxure™ for Hotels

Innovation At Every Level



EcoStruxure™

Innovation At Every Level

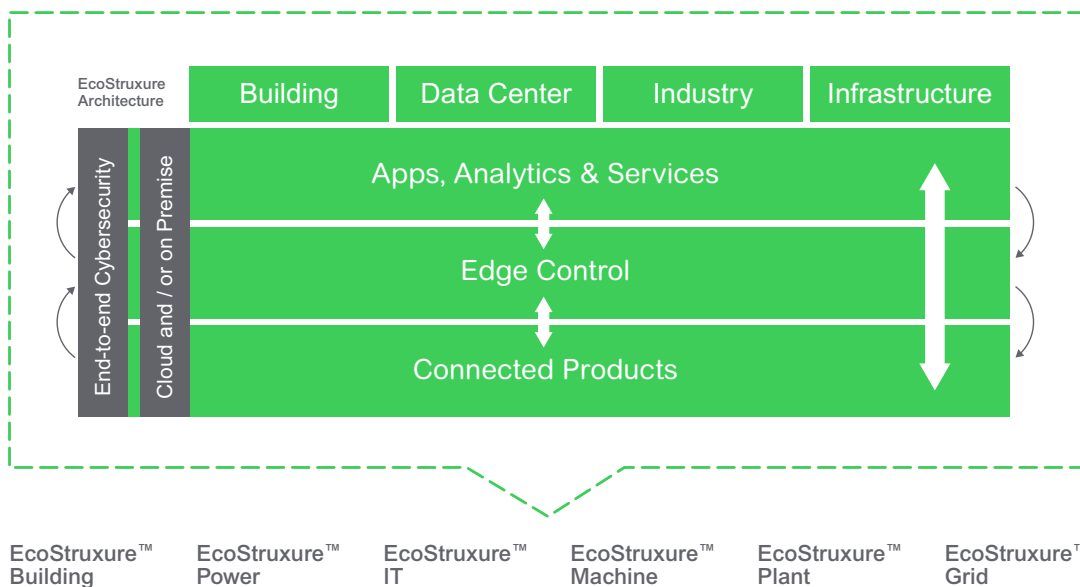
IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure is Schneider Electric’s open, interoperable, IoT-enabled system architecture and platform.

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 480,000+ sites, with the support of 20,000+ system integrators and developers, connecting over 1.6 million assets under management through 40+ digital services.

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



Connected Products

The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

Edge Control

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting safety and uptime.

Apps, Analytics & Services

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid environments. EcoStruxure enables a breadth of agnostic Applications, Analytics, & Services for seamless enterprise integration.

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Barcelona Tower Hotel achieves 30% energy savings with EcoStruxure™

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