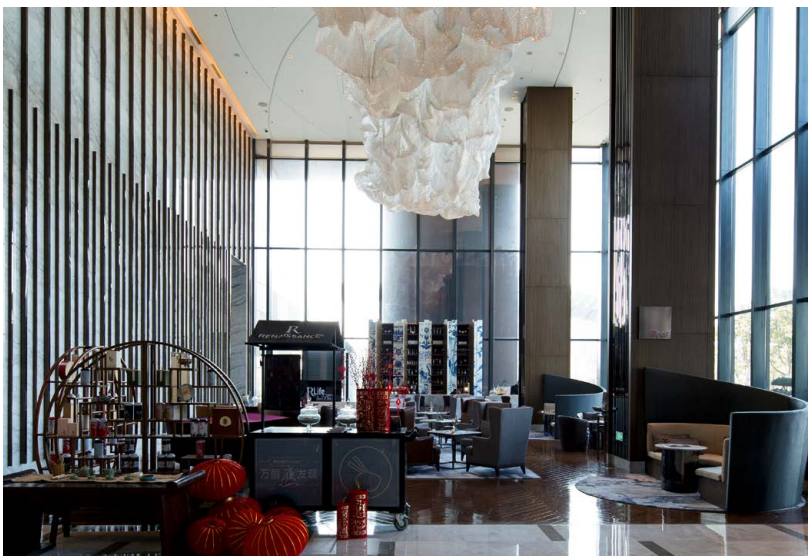## Introduction

Located conveniently at the borders of Jiangsu, Zhejiang, and Shanghai, Renaissance Suzhou Wujiang Hotel provides business travelers, families, couples, and discerning locals with modern and stylish accommodations and expansive and sophisticated event spaces for weddings, corporate functions, and other special events.

Situated in a vibrant, urban setting, the hotel offers picturesque lake views and attentive and polished service that consistently earns rave reviews and repeat visits from loyal customers. Like all Renaissance locations, the Renaissance Suzhou Wujiang offers guests a uniquely local experience that inspires visitors to explore and enjoy the best of local sites, culture, and customs.

In addition to its almost 300 guest rooms, the property boasts seven modern event spaces for meetings and corporate functions, while The Grand Ballroom can host up to 1,500 guests. Guests also enjoy additional features including an indoor pool, fitness center, and a variety of dining options including the Wan Li Chinese restaurant, which has 11 private dining rooms.

Challenges and goals

As the only internationally branded hotel in the area, the Renaissance Suzhou Wujiang must consistently exceed their guests' high expectations for comfort, ambiance, and safety. As a Marriott International property, the hotel must also manage construction and ongoing expenses, and meet annual energy savings goals.

Goal

Maintain an exceptional guest experience while reducing energy costs through improved efficiency.

Story

By implementing Schneider Electric's single-provider solution, the Renaissance Suzhou Wujiang was able to achieve both operational and energy efficiency goals while continuing to provide the exceptional experience guests have come to expect.

Solution

Utilize Schneider Electric's EcoStruxure™ technology solutions — including building management, lighting control, and electrical distribution systems — to create an intelligent, connected hotel with reduced operational complexity, improved hotel efficiency, and reduced energy consumption.

Results

- 10 – 15% energy savings
- Full visibility into energy consumption
- Centralized monitoring and control of all systems and devices
- Operational expense reduction through energy efficiency and maintenance optimization

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"From an operational perspective, guest experience and safety always come first," says Zudeng Ya, Chief Engineer for the Renaissance Suzhou Wujiang. "It is a challenge for us to ensure that everything operates properly without any glitches or breakdowns. Giving our guests the best first impression is of the utmost concern."
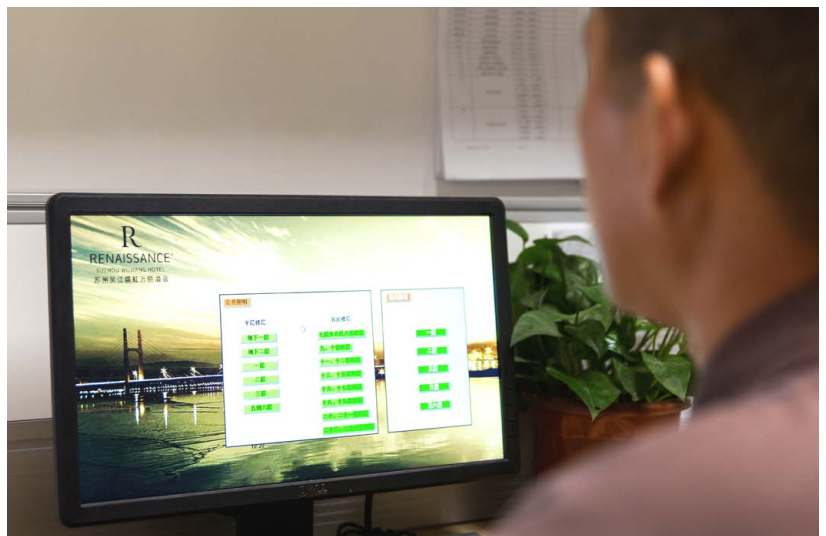
On the energy side, it was imperative that any project designs for the hotel's building management systems (BMS) maximized energy efficiency without resorting to over specification, which would inflate both capital and operating expenses. Instead, the team wanted to streamline the system to minimize the number of components and the amount of equipment needed to ensure optimal guest experience while also delivering operational and energy efficiency.

Solution

Schneider Electric provided the Renaissance Suzhou Wujiang with an EcoStruxure solution that integrates building management with the lighting control and electrical distribution systems.

EcoStruxure is Schneider Electric's IoT-enabled, open and interoperable architecture that delivers enhanced value around safety, reliability, efficiency, sustainability and connectivity for our customers. Schneider has leveraged advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity technologies to deliver Innovation At Every Level from Connected Products; Edge Control; and Apps, Analytics & Services.

At the Renaissance Suzhou Wujiang, the EcoStruxure™ Building Management solution controls a third-party chiller plant as well as the hotel's air-handling units (AHUs), primary air units (PAUs), variable speed drives (VSDs), and common area fan coil units (FCUs). Backed by advanced cybersecurity and support for industry standards and IP-based open protocols, this comprehensive solution seamlessly integrates and facilitates data exchange from energy, lighting, HVAC, and other third-party systems while leveraging digitization and big data to make hotels smarter and more efficient.
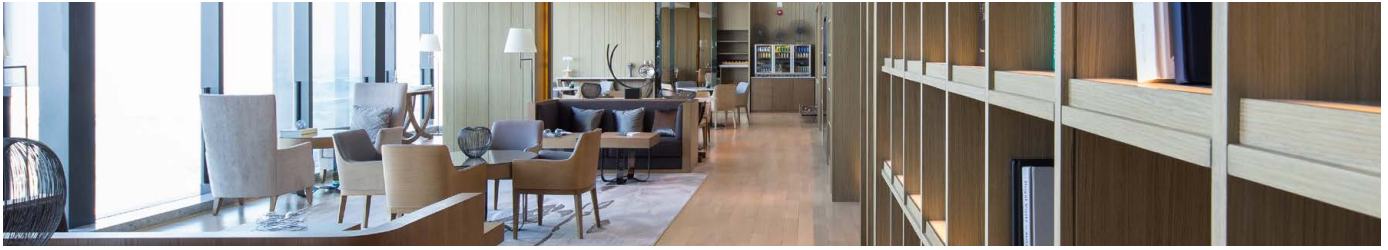
The Renaissance Suzhou Wujiang uses Schneider Electric's EcoStruxure™ lighting control for lighting control in its common areas and ballrooms to create an ambiance that is unique, memorable. Lighting can be tailored to guest needs using an extensive range of pre-programmed and automated lighting effects. Simultaneously, the system ensures flawless automation, reliable control, and improved energy efficiency. The result is flexible and dynamic lighting that provides superior comfort and convenience for guests while also enabling the creation of impressive environments for events.

Finally, complementing both of these innovative solutions is Schneider Electric's MV/LV solution, which provides transformers, switchgear, and breakers necessary for a safe, reliable, and connected electrical distribution network.

"I worked with Schneider Electric on previous projects, and they always left me with a good impression and solid deliverables."

— *Zudeng Ya, Chief Engineer*

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Results

Thanks to early-stage collaboration with Schneider Electric, the Renaissance Suzhou Wujiang now enjoys the competitive advantage of a complete, integrated, single-provider solution that was specifically designed to help meet both operational and energy efficiency goals while continuing to provide the exceptional experience their guests have come to expect.

From the engineering group to the hospitality staff, the entire team at the Renaissance Suzhou Wujiang benefits from Schneider Electric's solutions with:

- 10 – 15% energy savings
- Full visibility into energy consumption
- Centralized monitoring and control of all systems and devices
- Operational expense reduction through energy efficiency and maintenance optimization

10-15%
energy savings

EcoStruxure for Hotels Solution

Schneider Products & Solutions

EcoStruxure Building Management

Xenta Controllers

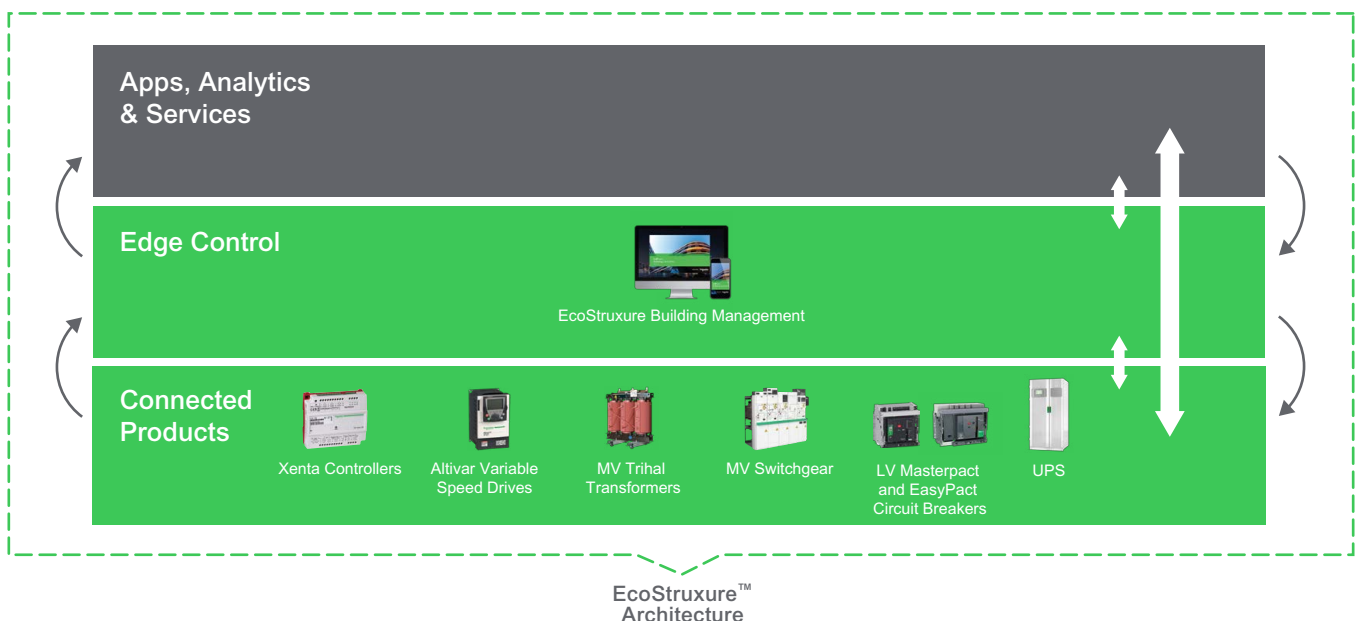Altivar Variable Speed Drives

MV Trihal Transformers

MV Switchgear

LV Masterpact and EasyPact Circuit Breakers

APC™ by Schneider Electric™ UPS

Third-Party Products

Trane® Chiller Plant

Apps, Analytics & Services

Edge Control

EcoStruxure Building Management

Connected Products

Xenta Controllers   Altivar Variable Speed Drives   MV Trihal Transformers   MV Switchgear   LV Masterpact and EasyPact Circuit Breakers   UPS

EcoStruxure™ Architecture

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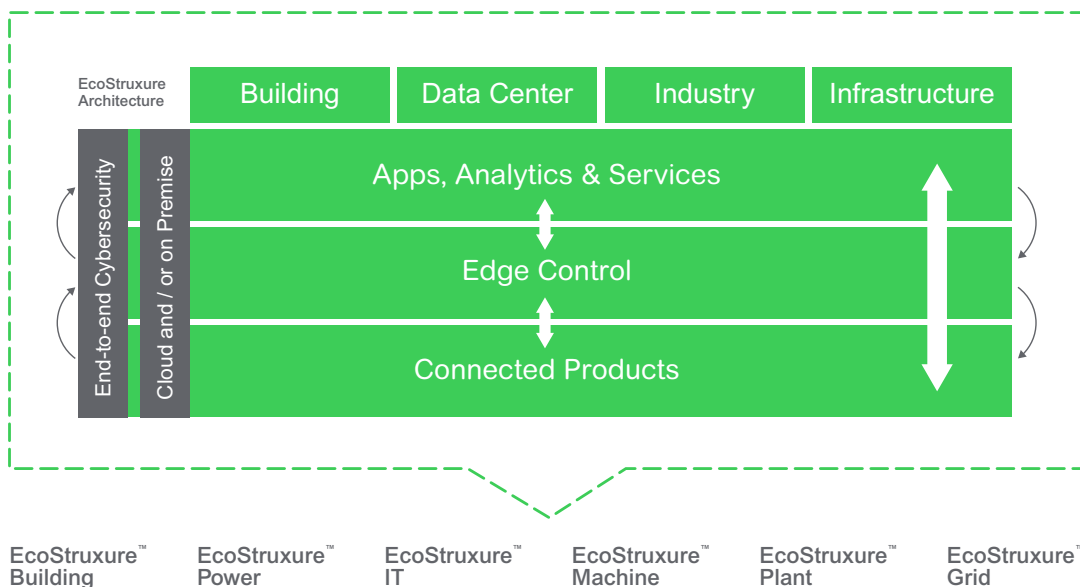
EcoStruxure™
Innovation At Every Level

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

EcoStruxure Architecture	Building	Data Center	Industry	Infrastructure
End-to-end Cybersecurity / Cloud and / or on Premise	Apps, Analytics & Services			
	Edge Control			
	Connected Products			

EcoStruxure™ Building   EcoStruxure™ Power   EcoStruxure™ IT   EcoStruxure™ Machine   EcoStruxure™ Plant   EcoStruxure™ Grid

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.

Find out more about EcoStruxure

schneider-electric.com/ecostruxure

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Discover EcoStruxure™ for Hotels

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Sheraton on the Park saves
15% on energy bill thanks to
EcoStruxure™ Building upgrade

Barcelona Tower Hotel achieves
30% energy savings with
EcoStruxure™

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