

# SMART HOTEL PROJECTS





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InterContinental  
Hotels Group PLC

IHG<sup>®</sup> HOTELS &  
RESORTS



## Background

Located on London's Greenwich Peninsula, InterContinental London - The O2 has been hailed as "the most influential new hotel in London in recent decades" and it is a landmark in the city in London in recent decades" and it is a landmark in the city. .

## Pain point

Through intelligent upgrading, guests can enjoy five-star services while also feeling the convenience brought by intelligence, bringing them the ultimate experience.

## Solution

HDL configured KNX Control System and HDL Smart Panels for 453 guest rooms. Based on the KNX Control System, the multi-functional panel entitle buttons with multiple modes of control and then maximize the functions of the buttons. For example, the buttons can realize single-click, long-press, and double-click in order to control the lighting, curtains, access control, and HVAC. When the guest enters the room curtains, access control, and HVAC. When the guest enters the room.

## Effect

HDL is the perfect partner for international hotel chains. After using HDL Smart Hotel Solution, InterContinental London - The O2 has greatly enhanced management efficiency and service.



# Holiday Inn Zhengzhou High-Tech Zone

📍 China

## Background

Holiday Inn Zhengzhou High-Tech Zone is IHG's first Holiday Inn Express in Zhengzhou Gaoxin District. The hotel has 260 luxurious and comfortable rooms and suites, a 1000 square meters grand ballroom, an all-day dining restaurant, and well-equipped meeting rooms and entertainment facilities.

## Pain point

It is necessary to meet the demand for smart control of all guest rooms and lighting control of the public area, so as to create a pleasant and comfortable experience for the guests.

## Solution

HDL customized the Smart Hotel Solution for the hotel and equipped all 260 guest rooms with HDL Intelligent Hotel Management System. All room equipment is linked through the smart panel, and a variety of scene modes are preset. Guests can control many equipment to achieve the ideal state with just one touch of the panel. HDL also configured the Smart Lighting Control System for the entire public area. Through customized dimming control and scene management, it can satisfy the lighting needs of different situations, and effectively control the energy consumption cost.

## Effect

As we all know, the management of hotel rooms and public areas cannot be ignored. With HDL customized Smart Hotel Solution, the hotel well realizes the intelligent control of the guest rooms and public areas, leaving the image of a high-end and exquisite five-star hotel.



## InterContinental Hotels Group PLC (IHG)

InterContinental Citystars Cairo

Crowne Plaza Christchurch

City of Dreams Manila

InterContinental Shanghai Hongqiao NECC

Holiday Inn Guangzhou South Lake

Crowne Plaza Hangzhou Science City

Caesar Intercontinental Hotel

InterContinental Sancha Lake

EVEN Hotel Chengdu Jinniu

Hotel Indigo Jiuzhai

Crowne Plaza Yibin

Crowne Plaza Beihai Silver Beach

Holiday Inn Tianjin Riverside Hotel

Crowne Plaza Zunhua Hot Spring Town

Voco Xi'an ETDZ

Crowne Plaza Resort Xishuangbanna Parkview

Hotel Indigo Dali Erhai

Holiday Inn Xining Hot-Spring Hotel

Crowne Plaza Beihai Silver Beach

InterContinental Quanzhou Taihe

Holiday Inn & Suites Sanya Yalong Bay



Hilton Worldwide  
Holdings Inc







## Background

Double Tree by Hilton Karaka is the fourth Hilton Group hotel in New Zealand. The hotel is located in a picturesque resort - Karaka. It has 122 well-appointed guest rooms and suites and amenities, as well as a speciality restaurant, a lobby bar, a heated outdoor swimming pool and a world-class fitness facility.

## Pain point

The hotel needs to ensure that all guests can easily use their facilities, so that guests can experience the best service of a four-star hotel.

## Solution

HDL configured the HDL KNX Control System for the hotel. The public areas are automated with HDL lighting system. With sensors and logic modules, all lights can be automatically adjusted in brightness according to external lighting conditions. The brightness and color temperature of the lights can also be adjusted individually through the DLP Smart Panel.

## Effect

The HDL Smart Lighting System at the Double Tree by Hilton Karaka creates a great atmosphere for guests to stay in. At the same time, the system also saves the hotel's energy consumption, saving labor costs.



## Background

Situated in the majestic landscape of Turkey's Cilo Mountains and glacial lakes, DoubleTree by Hilton Yuksekova is the first five-star hotel in Hakkari. The hotel has a total of 163 guest rooms including standard rooms, 20 deluxe suites and 8 presidential suites.

## Pain point

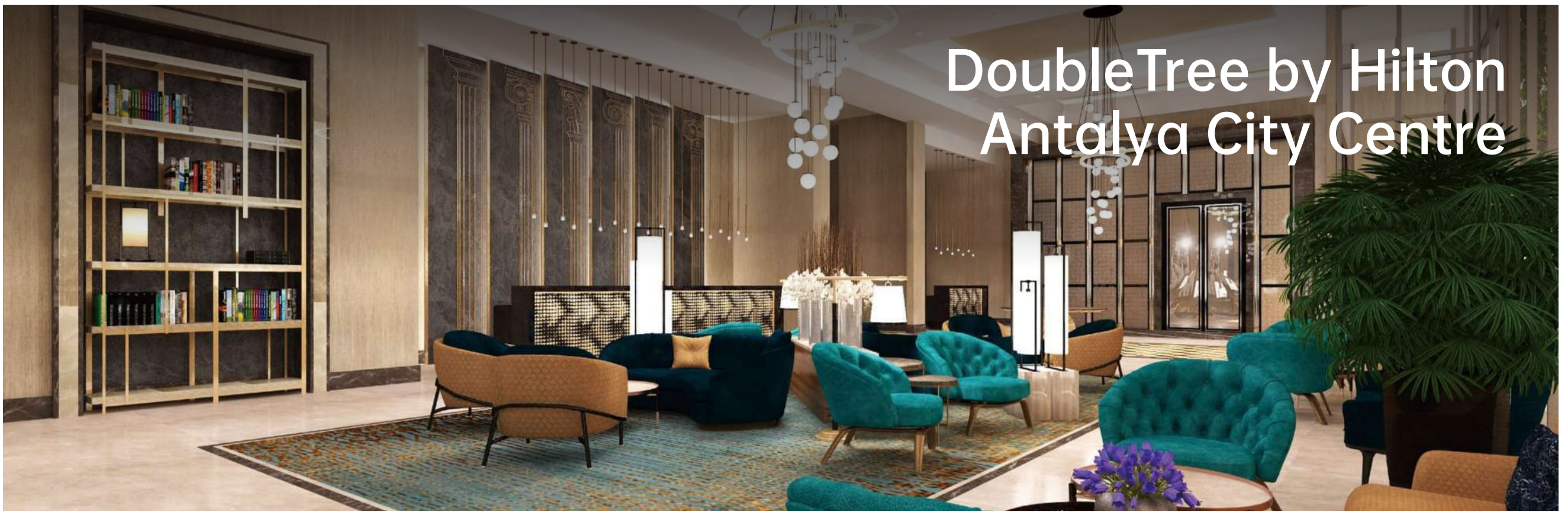
The hotel wants to visualize management, improve management efficiency, and achieve public area light management. Therefore, improving the guest's accommodation experience.

## Solution

The hotel adopts HDL Room Control Units to control the whole guest room. The RCU takes room automation to the next level with its scene logic. Through one touch turn on or off all the devices in the guest room. The entire system is managed and visualized through the HDL Hotel GRMS software. This centralized platform empowers the hotel's reception to efficiently oversee room automation and lighting control. The public areas of the hotel are equipped with the KNX Light Control System, which not only realizes simple switching on and off, but also integrates DALI dimming technology, offering a unique lighting experience for guests.

## Effect

Harnessing the power of smart room automation, the hotel has successfully elevated guest comfort, energy efficiency, and overall guest experience.



## Hilton Worldwide Holdings Inc

Hilton Moscow Leningradskaya

Hilton Garden Inn Jakarta Taman Palem

DoubleTree by Hilton Antalya City Centre

DoubleTree by Hilton Yuksekova

Conrad Sanya Haitang Bay

DoubleTree Resort by Hilton Hotel Sanya Haitang Bay

Hilton Dali Resort & SPA

Hilton Garden Inn Lijiang

Hilton Lijiang China

Hilton Garden Inn Anshan Hotel

DoubleTree by Hilton Anshan

Hilton Garden Inn - Shangri-La Hotel

Hilton Garden Inn Foshan

Hollick Hotel Wen'an, Tapestry Collection By Hilton



Accor S.A.

**ACCORHOTELS**  
Feel Welcome



# Pullman Kuala Lumpur City Centre Hotel and Residences Hotel

📍 Malaysia

## Background

Pullman Hotel is located in Kuala Lumpur's Central Business District, surrounded by the vibrant entertainment and shopping district of Kuala Lumpur. It features 445 guest rooms and suites and 157 residences with views of Kuala Lumpur's glittering skyline.

## Pain point

The hotel wanted to realize smart lighting control of the lobby and banquet halls to facilitate operation and at the same time reduce the hotel's operating costs.

## Solution

HDL configured the lobby and ballroom of the Hotel with HDL Buspro System, which can easily control the lighting, curtains, music and other equipment of the entire ballroom with a single click through the DLP Smart Panel. In addition, with the High Power 10A Dimmers, the brightness and color temperature of the lights can be adjusted according to different scenes.

## Effect

After adopting HDL's products and systems, the Hotel provided the guests with more efficient, intelligent and comfortable services, thus enhancing the hotel's brand value and reputation.



📍 Bulgaria

# The Emporium Plovdiv - MGallery

## Background

Located in the Plovdiv, the Emporium Plovdiv - MGallery is the most luxurious hotel in Bulgaria and it belongs to the group of Accor Hotels. The hotel consists of 3 floors with 61 accommodation units which comprise 13 larger apartments and 48 single-bed and twin rooms, 2 meeting rooms, a restaurant, a SPA center and a gym.

## Pain point

The whole hotel needs to be automated, so as to create a sense of pleasure and comfort for all the guests. At the same time, it also requires facilitating the work for the hotel staff and improving their working efficiency.

## Solution

From the moment the guest enters the room, motion sensors will detect the guest's presence and activate a customized welcome scene. At the same time, the lighting and curtains will adjust accordingly to provide them with the best experience. If there is no motion detected, typically 10-15 minutes, the leaving scene is activated which turns off all devices in the room. Moreover, with the HDL IHMS Software, the staff can centrally manage and check the status of guest rooms, which greatly improves efficiency.

## Effect

After adopting HDL's products and systems, the Hotel not only provided the guests with more intelligent and comfortable services but also greatly improved management efficiency. The automated motion sensor also reduces the energy cost.



# Pullman Lombok Merujani Mandalika Beach Resort

📍 Indonesia

## Background

The Pullman Lombok Merujani Mandalika Beach Resort is a stunning beach-front oasis nestled in the picturesque Mandalika area of Lombok, Indonesia. The resort offers a range of amenities and facilities including a private beach, swimming pools, spa, fitness center, multiple dining options, and meeting and event spaces.

## Pain point

With a total of 230 rooms in 6 types and 27 villas in 3 types, the resort offers a wide range of accommodations to cater to the diverse needs and preferences of its guests, which means we need to customize the solution according to different types of rooms.

## Solution

In the guest rooms and villas, the simple lighting control system adds to the overall guest experience. Guests can easily adjust the lighting to their desired level of comfort and create a personalized atmosphere that suits their preferences. Apart from the individual rooms and villas, the public areas are all equipped with sophisticated lighting controls that enhance the ambiance and create the desired atmosphere for various occasions.

## Effect

The Resort stands out not only for its luxurious accommodations and world-class amenities but also for its commitment to leveraging advanced technology to enhance the guest experience.



## Background

Ocean Spring Resort Chengdu, MGallery by Sofitel boasts an advantageous location at the heart of the "White Horse Hot Spring", a natural radon hot spring with various trace elements. It has 22 deluxe rooms and 44 detached villas, a 3500 sqm hot spring center, a signature restaurant, a lobby bar, a 608 sqm meeting space, a gym and nine chess rooms.

## Pain point

The hotel hopes to create an all-around intelligent accommodation experience for guests through HDL intelligent devices and enhance the hotel's facilities.

## Solution

The Hote Room Mix Control Modules (RCU) were configured for the 22 deluxe rooms and 44 detached villas, thus realizing smart control of lighting. The smart panel allows the hotel to preset various scene modes, all at the touch of a button. In addition, through the HDL IHMS Software, the staff can centrally manage and check the status of guest rooms, which greatly improves efficiency.

## Effect

Ocean Spring Resort Chengdu, MGallery by Sofitel with HDL provides guests with a smarter and more convenient accommodation experience, and at the same time provides hotel management with a more efficient and intelligent management method.



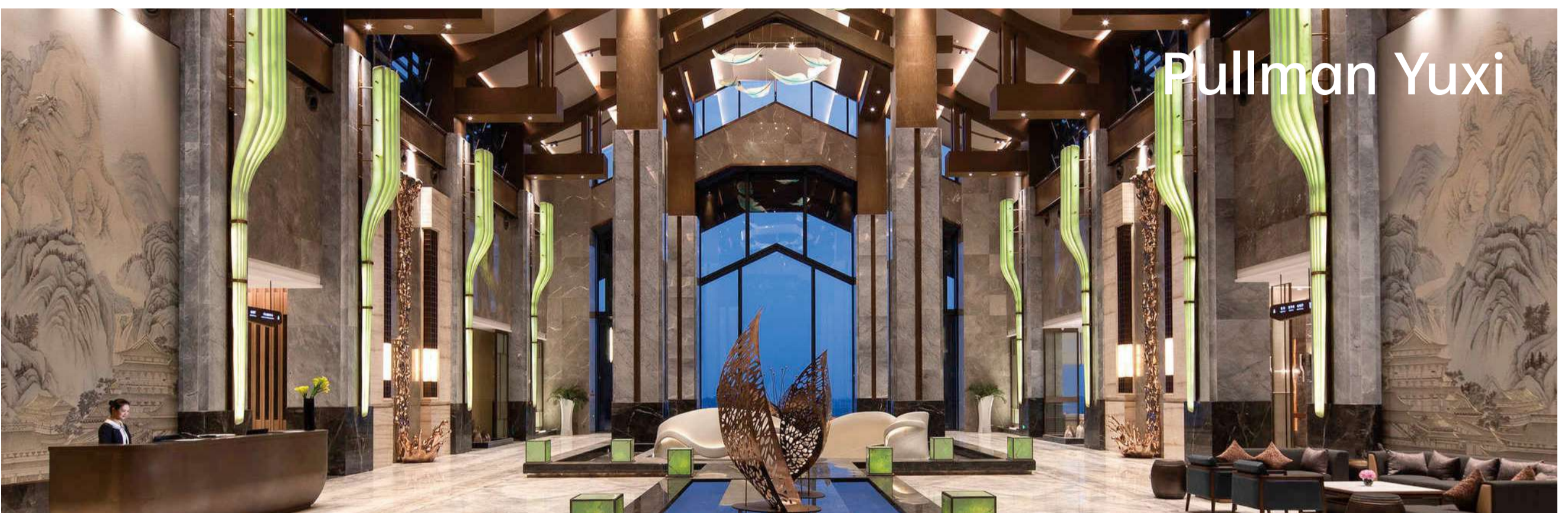
Sofitel Casablanca Tour Blanche



Hotel Sofitel Guangzhou Sunrich



Pullman Yuxi



## Accor S.A.

- Sofitel Casablanca Tour Blanche
- Pullman Auckland Hotel & Apartments
- Hotel Sofitel Guangzhou Sunrich
- Novotel Guangzhou Baiyun Airport
- Sofitel Legend Peoples Grand Hotel Xian
- Sofitel Xian
- Pullman Yuxi
- Pullman Huai'an
- Pullman Weifang
- Pullman Fuzhou Tahoe



**Marriott  
International Inc**





📍 China

# W Macau - Studio City

## Background

W Macau - Studio City is part of an integrated resort of Studio City and situated on Cotai Strip, the complex includes a variety of leisure elements such as an outdoor and a newly built indoor waterpark, cinema, theatre and more. W Macau - Studio City features 557 stylish guest rooms, each offering charming city views or the bustling Cotai view.

## Pain point

The project needs to ensure network security, system stability and data backup. At the same time, it requires the functions can interface with the hotel's Opera PMS system.

## Solution

HDL Smart Hotel Solutions equipped the W Hotel with 557 guest rooms, a public area, and a water park. The HDL Tile Series Panel controls all room equipment, allowing for lighting adjustments in different zones. And its customized interfaces provide easier control and integrate with the unique design style of the guest room. The HDL cardless power activation system turns off lights after 3 minutes of inactivity, activating energy-saving mode. In addition, the customized IP protocol system provides a safe and stable data transmission service.

## Effect

W Macau - Studio City officially opens on September 8, 2023, together with HDL, will further enhance the guests' intelligent hotel experience, allowing them to experience Macau's fascinating cultural history from a new perspective.



# The Westin Istanbul Nisantasi

## Background

The Westin Istanbul Nisantasi is the first Westin hotel in Turkey, a member of Marriott International. The hotel has 150 guest rooms and suites with an all-day restaurant, gym, meeting rooms, bar, café and other venues.

## Pain point

The hotel wanted to realize smart control in both guest rooms and public areas, so that the guests could experience the intelligent convenience and at the same time improve the services to match the international positioning of the hotel.

## Solution

The 150 guestrooms are equipped with HDL Buspro System, which realizes smart control of lighting, air conditioning, Vingcard door locks and other equipment in guest rooms. The hotel chooses KNX Control System in the public areas to realize the control of lighting system and air-conditioning system. What's more, the staff can centrally monitor all guest room equipment through HDL IHMS Software, as well as check service status of each room. At the same time, HDL interfaces with the third-party software NETx, associating the smart control systems of guest rooms and public areas to realize centralized monitoring of the hotel's entire visualization.

## Effect

The Westin Istanbul Nisantasi has greatly improved the hotel's management efficiency and service level, further improving the guests' experience and satisfaction.



## Background

Set in Novi Sad's business district, the Sheraton Novi Sad Hotel is a four-star hotel, it has 150 modernly furnished and comfortable rooms and suites, 6 multifunctional conference rooms and a modern fitness center, a Wellness and Spa center, Restaurants, a Wine&Tapas bar, Coffee and Tea zone.

## Pain point

The hotel hopes to achieve intelligent control of lighting, heating, cooling and curtain systems so as to improve work efficiency, save energy and reduce costs.

## Solution

The hotel adopted the HDL KNX Lighting Control System. From the hallway to the presidential apartments, HDL lighting system not only offers basic on/off functionality but also allows for dimming, enabling guests to create the perfect ambiance for any occasion. Notably, the gallery on the first floor, the presidential apartment, and the grand main chandelier in the hallway boast advanced DMX and DALI control. What's more, HDL supports third-party platform cooperation. The Magiesta Server Solution seamlessly control the lighting, heating, cooling and curtains.

## Effect

By seamlessly merging lighting, heating, cooling, and curtain control systems, the hotel curated an environment that's not only luxurious but also remarkably intuitive. Guests can customize their surroundings to match their preferences, creating memories that linger long after their stay.



# Sheraton Hotel and Delta Hotel by Marriott Kunming

📍 China

## Background

Sheraton Hotel and Delta Hotel by Marriott Kunming is Marriott's largest hotel project in Greater China in 2020. And they are also the first dual-branded international five-star hotel under Marriott's portfolio in China. With a total building area of nearly 140,000 square meters, the hotel contains a total of 1,066 guest rooms including superior rooms, theme rooms and various suites.

## Pain point

It is necessary to meet the smart control of all guest rooms, realizing smart control of lighting, curtains, air conditioning, music, video, voice control, scene, intercom, etc, in order to match the hotel's luxury and international positioning.

## Solution

The 1066 guest rooms of the hotel are all equipped with HDL Smart Control System. Through HDL Buspro system, all equipment is simultaneously connected to the HDL IHMS Software, and realizing unified control of equipment, scene automation. The Intelligent Hotel Management System realizes cross-platform networking, connecting the HDL system, Ethernet and hotel service management platform, which facilitates the hotel to collect room data and provide more accurate and relevant services to guests.

## Effect

HDL has made great efforts in providing the hotel with customized Smart Hotel Solutions to make every guest have a pleasant stay and help the hotel increase the occupancy rate.



## Marriott International

- The Westin Kuala Lumpur, Malaysia
- Aloft Kuala Lumpur Sentral, Malaysia
- The Westin Jeddah Hotel, Saudi Arabia
- Renaissance Bali Nusa Dua Resort, Indonesia
- JW Marriott Hotel Beijing
- Sheraton Haikou Resort, Haikou
- The Westin Sanya Haitang Bay Resort, Sanya, Hainan
- Sheraton Xian North City Hotel, Xi'an
- Sheraton Wenzhou Hotel, Wenzhou
- Sheraton Dongguan Hotel, Dongguan
- Shenzhen Tongtai Courtyard Marriott, Shenzhen
- Yalong Bay Wanyi Resort Hotel, Sanya
- The Westin Sanya Haitang Bay Resort, Sanya
- Renaissance Huizhou Hotel, Huizhou
- Lijiang the Residences Villa, Lijiang
- Sheraton Fuqing Hotel, Fuqing
- Nanning Marriott Hotel, Nanning



Hyatt  
Hotels Corporation

HYATT®





📍 Morocco

# Hyatt Regency Tahazout Bay

## Background

Hyatt Regency Tahazout Bay is located on the western coast of Morocco, which is known for its world-famous clear blue sea and year-round pleasant climate, attracting travellers from all over the world to visit it.

## Pain point

The hotel rooms and public areas need to be intelligently controlled. As a beachfront hotel, the guest rooms need to create a relatively quiet environment to ensure guests get a good rest.

## Solution

HDL equipped 60 guest rooms and public areas of the hotel with HDL Smart Control System. In the guest rooms, the hotel mainly uses Guest Room Control Modules (RCU). Through the Enviro Smart Panel, guests can control the lighting, curtains, HVAC and other equipment in the guest rooms. In the public area, the hotel is equipped with HDL Smart Lighting Control, which adopts back-edge dimming technology. It not only realizes light on or off, but also realizes the adjustment of color temperature, and brightness to meet the lighting needs of different scenes.

## Effect

With HDL Smart Control System, every guest can experience the magic of smart technology and the comfort of being at home in Hyatt Regency Tahazout Bay.



China

# Grand Hyatt Changsha

## Background

Grand Hyatt Changsha is located in the capital city of China's Hunan Province. Crowning the apex of a 61-storey building, with breathtaking views of Xiang River and the city skyline, the hotel has the reputation of being "the tallest on the Xiang River".

## Pain point

The intelligent control and stable operation of the guest rooms must be met to provide guests with a more comfortable check-in experience, and at the same time reduce the hotel's operating costs.

## Solution

HDL customized the Intelligent Hotel Management System for the 354 rooms of Grand Hyatt Changsha. The modular design of an Intelligent Hotel Management System can make the control loop relatively independent, making network expansion and system extension more flexible, thus greatly increasing system security. In addition, HDL Intelligent Hotel Management System realizes a seamless connection with Opra, the international hotel management software, which allows staff to manage the hotel more efficiently and conveniently.

## Effect

The HDL Smart Hotel Solution used in the Grand Hyatt Changsha not only meets the hotel's needs, but also improves the guests' stay experience, which in turn improves the guests' brand loyalty. At the same time, it further improves the efficiency of the hotel and reduces labor and operating costs.



## Hyatt Hotels Corporation

Hyatt Regency Delhi

Andaz Prague

Jinmao Hotel Lijiang



# Wyndham Hotels & Resorts

**WYNDHAM**  
HOTELS & RESORTS



## Background

Wyndham Grand Yangon Hotel is the first international five-star hotel located in the heart of Kantaya, Yangon, Myanmar. Designed by renowned architectural and interior design firm HASSELL, 291 guest rooms and suites are a blend of contemporary elegance and fashion.

## Pain point

The hotel wanted to achieve unified and efficient management of lighting in guest rooms, lobby, banquet hall, lounge and other public areas. In addition, the control of lighting atmosphere in the lounge and banquet hall is also important.

## Solution

HDL Buspro System was installed in all 260 luxury guest rooms and public areas of the hotel. In the lobby area, HDL equipped the hotel with an intelligent dimming module that enables the hotel to maintain the softest lighting atmosphere at all times. At the same time, the staff can easily switch between various lighting modes through the wall-mounted panels, phones, tablets or PC, which improves the efficiency of management and brings a comfortable experience to the guests. In the guest rooms, HDL Smart Control System sets up various scene modes.

## Effect

HDL empowered Wyndham Grand Yangon Hotel with the digital management and helped the hotel to become a new landmark in Myanmar. HDL Buspro System was also recognized by the hotel for its advanced technology and stability.



📍 China

# Ramada Plaza by Wyndham Nanning Binyang

## Background

Surrounded by lush gardens and offering views of Phoenix Lake, Wyndham Nanning Binyang is your gateway to the tropical metropolis of Nanning. The hotel is equipped with perfect sports fields, fitness centers, KTV, open-air bars and other recreational facilities to meet the various needs of guests.

## Pain point

The hotel needs to carry out intelligent centralized management of a large number of devices. A variety of needs, complex scenarios and connections all increase the difficulty.

## Solution

DLP Smart panels and Intelligent Hotel Management System were used for the hotel to realize the personalized needs in specific scenarios. HDL has configured Room Control Modules for 287 guest rooms, which can control a wide range of devices and can be configured with corresponding functions according to the needs of the hotel. HDL also configured HDL Smart Lighting System for all public areas, realizing customized lighting scenes in different areas and giving guests rich a lighting experience. HDL lighting management software acts as a central control platform for all the lamps and lanterns, and only needs a computer to realize multi-level control.

## Effect

After the smooth landing of the Intelligent Hotel Management System, with the gradual integration of intelligence into the hotel, guests enjoy a convenient, comfortable and efficient accommodation experience.



Ramada by Wyndham  
Downtown Dubai



Wyndham Sanya Bay



Wyndham Grand Tongren  
Downtown Hotel

## Wyndham Hotels & Resorts

- Ramada Hotel & Suites by Wyndham Ajman
- Ramada by Wyndham Dubai
- Ramada Plaza Shunde
- Huizhou Shuangyuewan Wyndham Plaza
- Ramada by Wyndham Huizhou Xunliao Bay
- Wingate By Wyndham Sanya
- Wyndham Sanya Bay
- Days Hotel & Suites by Wyndham Zixin Changsha
- Days Hotel & Suites City Center
- Dahan Jinqiao Ramada Plaza Hotel
- Ramada by Wyndham Hengyang Zhengxiang
- Ramada Plaza by Wyndham Xiangtan Wanlou
- Huayin Ramada Plaza Hotel
- Ramada By Wyndham Mengzi Suites
- Ramada Plaza by Wyndham Taian
- Shuozhou Days Inn
- Days Hotel Guizhou Fengye
- Wyndham Kunming Hui Yue
- Howard Johnson Jinlin Plaza Lijiang
- Howard Johnson Yilin Hotel
- Zhongtai Howard Johnson Hotel
- Wyndham Grand Tongren Downtown Hotel



# Other Hotels







## Background

The Morpheus Hotel is the masterpiece of the legendary architect Zaha Hadid, and the interior design of the hotel was designed by the world-renowned designer Peter Remedios. The hotel offers 770 guest rooms, suites and villas, as well as a range of dining and recreational facilities, including an infinity pool.

## Pain point

The hotel's intelligent design needs to meet the light needs of many areas to bring guests a full range of intelligent experiences. The product design needs to meet the three requirements: fashion, high quality and top brand to match the hotel's aesthetics and luxury positioning.

## Solution

HDL configured HDL Buspro Control System and products for 770 guest rooms, 9 presidential suites, two Michelin restaurants, one Portuguese restaurant, two floors of SPA rooms and other public areas of Morpheus Hotel. The user interface of the HDL Enviro Touch Panel in the guest room was designed by Zaha Hadid's team. It can present different interactive effects in different scenarios, and is highly compatible with the style of the guest rooms.

## Effect

Morpheus Hotel has gradually become a popular tourist spot and a new landmark in Macau, in which intelligence contributes a lot. Through HDL, each guest can experience the beauty of the integration of science and technology with their lives, which greatly enhances the reputation and occupancy rate of the hotel.



📍 The United Arab Emirates

# Gevora Hotel

## Background

Standing at a height of 356 meters with 75 floors, the Gevora Hotel in Dubai was named the world's tallest hotel by CNN when it opened in 2018. The hotel has 529 guest rooms and 4 restaurants, an open-air swimming pool, a spa, a health club, Jacuzzi and other amenities.

## Pain point

The hotel wanted to efficiently meet the guests' intelligent needs. In addition, there are many smart devices in the hotel, and it is necessary to ensure that the lighting system is stable and long-lasting.

## Solution

The Gevora Hotel's guest rooms were adopted with HDL Buspro Wireless system that uses sensors, lights, curtains, and other devices to provide personalized service according to guests' schedules. The system utilizes a wireless mesh network so that different devices in the same system can communicate with each other, ensuring network stability and providing a solid guarantee for hotel services. HDL has equipped the hotel with HDL Smart Panel, which can be used to DIY different scenes according to the guests' needs. The panel is also deeply integrated with the design style of the hotel room to create a unique Middle East style.

## Effect

Gevora Hotel further improved the guests' experience and increased their satisfaction. The superior stability and durability of HDL's products greatly reduced the hotel's maintenance costs, thus saving money and labor costs.



📍 Ecuador

# GO Quito Hotel

## Background

Located in the financial district of Quito, the Go Quito Hotel is close to the historic center and the main urban parks. Just a short walk away from shopping malls, restaurants, banks, and other places of interest. The hotel has 17 floors, providing 150 guest rooms, 9 meeting rooms, 5 event rooms, and other entertainment areas like Pool, Spa, Café, and Hair salon.

## Pain point

The hotel owners always dreamed of making a project fully automated and at the same time energy efficient. They reviewed proposals from several brands in the international market, and HDL stands out from the major brands.

## Solution

HDL's lighting control system features presence detection sensors for automatic lighting in hallways, meeting rooms, and bathrooms, promoting energy efficiency. The Spa Area offers diverse lighting scenes for better guest experiences. Integration with third-party products like DAIKIN, ALEXA, and the hotel's BMS system and IRIDIUM platform allows centralized management. And the intelligent keypads in each room and S10 and Enviro Panel empower staff with control over lighting, temperature, blinds, and audio.

## Effect

This hotel is a five-star hotel rebuilt in Ecuador after more than 20 years and is the first fully intelligent hotel in Ecuador. With the help of HDL Smart Hotel Solution, it has been recognized by the managers of important hotel chains who visited the project, enhancing the user experience.



## Background

SAMAYA Hotel Apartments is a luxury hotel apartment complex located in the heart of Dubai's business and commercial district. The hotel offers 70 guest rooms and 141 spacious and well-equipped apartments with modern amenities.

## Pain point

The hotel is looking to further enhance the guest experience by smartening up its 70 guest rooms and 141 luxury apartments.

## Solution

The hotel adopted the HDL Buspro Wireless System in all guestrooms and apartments, realizing intelligent control of lighting, curtain, music, security, air conditioning, etc. Through sensors, lights, curtains, and other equipment, HDL smart control system creates a soft natural light inside the room and brings guests a comfortable living experience. The hotel has installed nearly 500 DLP and iTouch smart panels to control the equipment in the rooms. Guests can control the device separately through the panel, or control multiple devices with one click of the scene mode. The wireless Mesh network is adopted in the system. Different devices connected to the same system can communicate with each other, which ensures the stability of the network.

## Effect

HDL System can not only improve the guest accommodation experience, and improve the hotel customer satisfaction, but also provide a solid guarantee for the hotel service.



## Background

Paradise City Hotel is a premier luxury resort and casino complex situated in Incheon, South Korea. It is conveniently located near Incheon International Airport, making it a popular destination for both international travellers and locals seeking a lavish getaway.

## Pain point

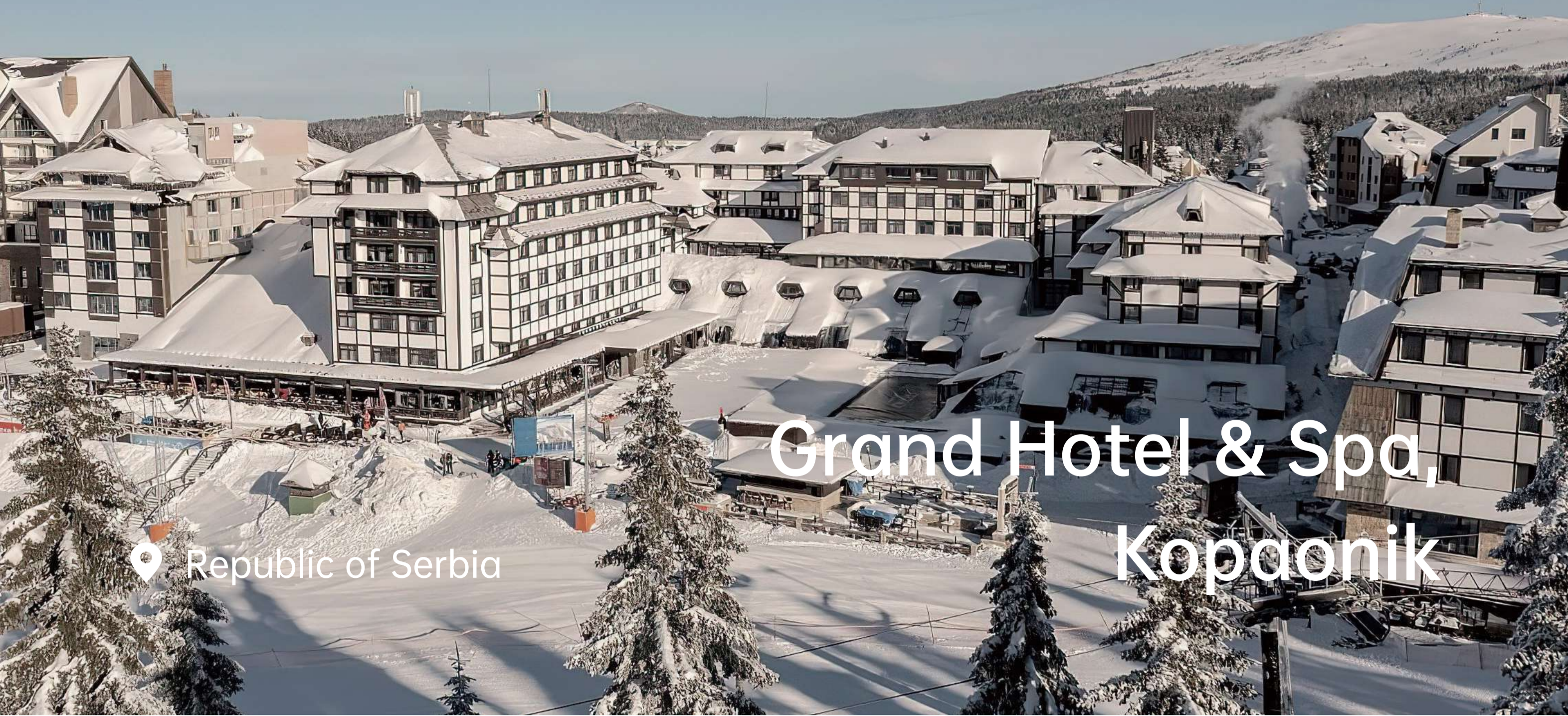
The hotel wanted to realize a trailing edge dimming control with the best dimming performance for the phase control LED bulbs, which can be achieved through the existing local system.

## Solution

HDL seamlessly connect with a third party system to realize the accurate dimming control of the lighting. All 65 suites in the Paradise Hotel have adopted HDL lighting Control solutions. When a guest opens the door from outside, the system will turn on the lights in the room so that the guest does not need to search for the switch on the wall in the dark; when the system senses that the light in the room is too dim, it will automatically turn on the lights. With the help of HDL MOSFET Dimmer, the hotel achieved excellent dimming performance for each room. The seamless integration of technology enhances the guest experience.

## Effect

With its commitment to innovation and guest satisfaction, Paradise City Hotel continues to redefine the boundaries of luxury hospitality, making every stay unforgettable.



## Background

Set at 1,770 metres above sea level in the very centre of Kopaonik, the modern and comfortable Hotel Grand Kopaonik is the first hotel that has full automation for rooms and common areas. Continuously nurturing the tradition of an excellent hotelier, Grand Kopaonik has been a synonym for exclusivity and indisputable quality for four decades.

## Pain point

The hotel hopes to provide guests with a high level of comfort while reducing operating costs and improving work efficiency.

## Solution

Every room in the hotel is equipped with an HDL Smart Hotel System for managing lighting, heating, cooling and curtains. And the iTouch panels with customized icons make it easier for guests to manage the system. HDL Intelligent Hotel Management System (IHMS) works with HDL Smart Hotel System, which enables the hotel to manage its guest rooms, room cards and services on a desktop computer while allowing guests to control room devices via a wall panel, mobile app or smart speaker. It greatly improves the management efficiency of the hotel.

## Effect

As the first hotel that has full automation for rooms and common areas in Kopaonik, Grand Hotel & Spa choose HDL Smart Hotel System to ensure a high level of comfort, management and energy efficiency, which is absolutely a good choice and will continuously remain competitive for a long time.



## Background

Hotel Aurelia Milano Centrale is one of the most prestigious hotels in the Riviera Romagnola, overlooking the Adriatic Sea and located in the heart of the touristic life of Milano Marittima. The hotel is equipped with tennis courts, a fitness center, a swimming pool, a sunbathing area and other public facilities.

## Pain point

The hotel needs to be modernized and refurbished. It is not only simply to replace the equipment, but also to realize automation, which requires more than 250 devices to be centrally controlled through the smart control system.

## Solution

A total of nearly 150 HDL components enable intelligent management of room lighting, surveillance video, air conditioning, and lighting in the lobby, spa, and public areas. The HDL Enviro Smart Control panel allows centralized control of devices in the room. The icons on the panel can be personalized to keep in line with the decoration style. In addition, HDL has set up 9 lighting scene modes in the corridor according to the needs of the hotel. With the climate sensor, the corridor lighting can be automatically switched according to the changes in the external lighting conditions, realizing the energy-saving and efficient operation of the hotel.

## Effect

Hotel Aurelia Milano Centrale was upgraded with HDL intelligent equipment, making the hotel perfectly modernized and synonymous with elegance and luxury.



📍 Cambodia

# Castle Bay Resort & Spa

## Background

Located in southern Cambodia, Castle Bay Resort & Spa offers a range of accommodation options from private pool villas to river view suites, offering breathtaking views of the Kampot River.

## Pain point

It is hoped to improve the level of automation in the villas and suites, while reducing energy consumption and lowering the hotel's operating costs.

## Solution

The hotel was equipped with DLP Touch Panel and Intelligent Hotel Management System, which realized the smart control of the equipment in the rooms and set up multiple scene modes. Before the guests check in, the guest room will be set into "check-in mode" and adjust the guest room to a comfortable temperature; when the guests arrive, the system will automatically start the "Welcome Mode".

The iTouch Panel in the bathroom allows guests to turn on the lights in the corresponding area according to the customized icons on the panel, and adjust the brightness of the lights by long-pressing the button. When showering, the glass door can be fogged in one second through the smart panel.

## Effect

With the help of HDL, Castle Bay Resort and Spa not only reduces operating costs, saving energy and maximizing hotel revenue, but also brings a new intelligent living experience to the guests.





# Apurva Kempinski Bali

## Background

Located in Nusa Dua, Bali, Apurva Kempinski Bali offers breathtaking views of the Indian Ocean and tropical gardens. The hotel has 475 guest rooms, suites and villas, 60% of which feature private mini swimming pools, and it also has a spa, meeting rooms, and chapels.

## Pain point

A full range of intelligent controls to create a perfect experience for guests is essential for the Hotel.

## Solution

HDL provided Smart Lighting Control for the hotel. 460 suites and villas were equipped with HDL lighting control devices, and the welcome mode was set according to the hotel's needs. The moment guests open the door, the system links all kinds of equipment in the room, giving them a warm feeling of being at home.

The presidential suites are equipped with HDL iFlex panels, which realize one-button control of lighting, curtains, air conditioning, exhaust fan and other equipment. In addition, users can also customize different icons of the panel, adding more fun to the operation.

## Effect

HDL provides a cost-effective and stable smart hotel solution for the hotel, which helps Apurva Kempinski Bali to provide all-around services for guests, enhancing their accommodation experience.



## Background

Jumeirah Bali is located at the Pekatu Indah Resort in Bali and is the first UAE hotel chain in this Bali. The hotel consists of 123 villas, as well as 3 signature restaurants and bars, a spa, a ballroom, a gym and other public areas.

## Pain point

There are a large number of devices that need to be centrally controlled in the public areas, and the hotel wanted HDL to provide an efficient and stable solution.

## Solution

HDL provided the hotel with the HDL KNX Control System to control the lighting and scenes in the main lobby, restaurants, banquet halls, spa and gym areas. HDL also equipped the hotel with dimmers and DLP Smart Panels to achieve centralized control of the lighting in the five public areas. In addition to basic light switching control, a variety of preset scene modes were customized according to the personalized needs of the different public areas, which can be achieved with a single click through the panel.

The KNX Control System can also be connected to equipment from other brands, providing the hotel with flexible, efficient and reliable intelligent control.

## Effect

Jumeirah Bali was opened in February 2022 with a better service. It was chosen to host United Arab Emirates leaders and delegations during the G20 Summit and provide them with a great accommodation experience.



📍 Turkey

# Ella Excellence Resort Belek

## Background

Ella Excellence Resort Belek is located among 15 golf courses in Belek, the center of attraction for international golf tourism, with 270 square meters of beach, 1,100 square meters of pier and 110,000 square meters of green area.

## Pain point

The guest rooms and other public areas cover a wide area, and there are many kinds of equipment that need to realize intelligent management. The hotel wants to ensure the stable operation of the Intelligent Hotel Management System.

## Solution

The comprehensive upgrade, completed in 2022, witnessed the installation of HDL automation system in all 650 rooms. HDL have realized lighting control, AC control, Vingcard door lock integration and scene control for each room. According to the different room design styles, HDL also customized the Tile series panel of three colors to perfectly match every type of design. According to the Hotel's needs, HDL equipped all guest rooms with Hotel Door Bell Panels. Therefore, staff can see all the alerts of service needs in real time from the OPEX software and HDL IHMS software. At the same time, by docking with NETx software, hotel staff can manage the temperature in all hotel rooms through HDL Intelligent management system.

## Effect

Ella Excellence Resort Belek has redefined luxury by creating an energy-efficient, intelligent all-inclusive resort.



## Background

Located at the front end of Wuxianghu Park, Wuxiang Villa is surrounded by a unique natural environment. The villa covers an area of over 133,334 sqm, with a building area of about 50,000 sqm, consisting of seven detached and fully functional hotel buildings.

## Pain point

In addition to providing sincere and careful personalized service, the hotel also pays attention to scientific and efficient management.

## Solution

HDL provided an Intelligent Hotel Management System for 210 guest rooms and 3 presidential suites. All electrical equipment in the guest rooms, such as air-conditioning, lighting, can be intelligently controlled through one smart panel, which is convenient for guests to easily adjust. The HDL IHMS Software realizes a seamless connection with FOXHIS hotel management software. Through the system, the personnel can more conveniently carry out check-in service for guests, and at the same time, they can check the status of all the rooms at any time, and deal with emergencies on time, which further improves the efficiency of the staff.

## Effect

With the support of HDL Smart Hotel Solution, it helps Wuxiang Villa to improve the level of service, fully meet the needs of political and business reception, and also have the pleasure of leisure, becoming an excellent choice for business guests.



# Longyin Xishan Hotel

## Background

Surrounded by the beautiful scenery of Yangxian Lake, Longyin Xishan Hotel is located on the south bank of Yangxian Lake, Hufu Town, Yixing City. And its decoration is a Chinese typical traditional courtyard style, a culture prevailing in the south of the Yangtze. The hotel has 43 guest rooms and has built-in functional areas for catering, conferences, and recreation.

## Pain point

The hotel wants to realize the combination of technology and the natural landscape, so that guests can enjoy an all-around intelligent accommodation experience.

## Solution

The hotel adopts HDL Smart Lighting Solution, and DALI dimming modules are installed in all areas (including guest rooms). On the one hand, the on/off, brightness and color temperature of lights can be adjusted through one panel. On the other hand, with the logical astronomical clock and timing control, the system will automatically adjust the comfortable illuminance environment according to different times, which can make people feel cosy.

HDL also equipped all the guest rooms with iFlex Button Smart Panel and Granite Display, using WallApp hotel indoor interface version, guests can control the lighting, air conditioning, curtains, music and other equipment.

## Effect

HDL helped the hotel to realize the collision and fusion between the local culture and intelligent technology. With the intelligence, guests can get their comfort and release of their state of mind.



## Background

Jinan Ziyue Meixiu Hotel is located in the Jinan, which has the reputation of being a "famous historical and cultural city of 1000 years". It adopts a Chinese elegant design to create a simple and tranquil Chinese courtyard style. The hotel has 162 guest rooms and suites, 3 theme restaurants, 4 banquet halls and a tea house.

## Pain point

The hotel hopes HDL to provide smart lighting control to inject Chinese elements into the lighting scene design of the lobby, showing the Chinese cultural significance of the Chinese banquet hall, and highlighting the Chinese aesthetics of the hotel.

## Solution

The hotel adopts HDL Smart Lighting Solution for the public area. The built-in dimming module can automatically match the lighting scenes according to the needs of different seasons and different periods, integrating the environment and the overall atmosphere of the hotel, highlighting the senses of the new Chinese style.

According to the specific use of different areas, HDL has also preset a variety of scene modes for the hotel ballroom, which can be easily switched with just one smart panel or a cell phone.

## Effect

With the smart lighting system, Jinan Ziyue Meixiu Hotel integrates the new Chinese aesthetic style into the restaurant, tea house, and guest rooms, giving guests the feeling of being in a picturesque place.



## Background

The VISAYA Hotel is a boutique hotel located in the scenic Moganshan area, which is known for its beautiful mountains, bamboo forests, and tea plantations. The hotel offers a unique blend of traditional Chinese design and modern amenities. The hotel provides various accommodations, including rooms, suites, and villas.

## Pain point

The VISAYA Hotel aims to achieve a fusion of intelligence and natural scenic beauty, thereby offering guests a differentiated and unique experience.

## Solution

HDL equipped VISAYA Hotel with HDL Smart Control System and Granite Display. In addition to the control of lighting, curtains and air conditioning, the system has preset specific scenes, such as Check-in, Party, Sleep mode, etc., so that the guests can control all the devices through the panel with a single click. When the guest arrives at the guest room, a single click will turn on the lights, close the curtains, turn on the air conditioning to a suitable temperature, and the music will flow out slowly, which will relieve the fatigue of the journey.

## Effect

The benefits of the HDL Smart Control System for the hotel are not only evident in enhancing guests' stay experience, improving operational efficiency, and saving energy but also in building the hotel's brand.