



# konke

Smart Home Ecosystem  
Premium Smart Housekeeper



01

# COMPANY PROFILE





# konke × huafon

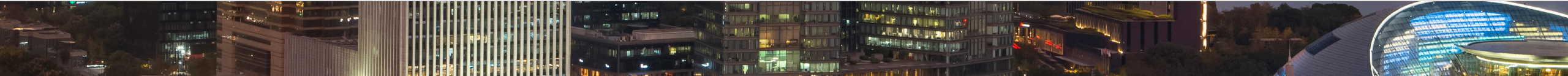
Konke Technology was founded in 2010 with its headquarters in Hangzhou, Zhejiang Province. It is affiliated to the Internet of Things (IOT) technology sector of Huaфон Group, one of the top 500 enterprises in China, and has been focusing on the IOT field for 10 years to date. Konke officially entered the smart home industry in 2013, opened the market soon with the first smart socket in the industry, which helped us start the first year of China's smart home market.

In 2014-2015, Konke start with crowdfunding.

In 2015 January, Konke completed A round financing of 40 million RMB, with the company validation of 400 million. Then Foxconn Technology Group, the world's top manufacturing enterprise, saw Konke's strong development trend in intelligent hardware and smart home area, and became the A + round strategic investor.

In 2015, in order to better solve users' pain points, Konke once again became one of the first batch domestic companies involving smart home whole-house solution with its years of experience and market feedback in the industry. In 2016, Konke officially released the whole-house smart solution and was favored by major real estate companies quickly, which accelerated Konke's growth.

By 2020, Konke has cooperated with more than 20% of the top 100 real estate enterprises in China. The smart home projects have been implemented in all regions of the country, and have been unanimously praised by the real estate partners.

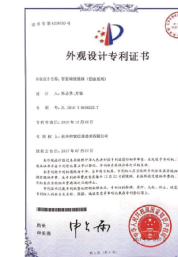
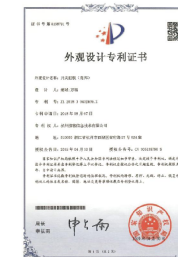
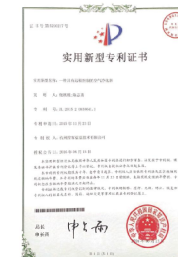
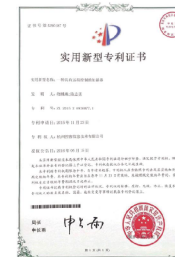




# ENTERPRISE HONOR



- ZigBee Alliance Member
- The first batch of Lenovo Group SloT Cooperative
- The first batch of HUAWEI HiLink's whole-house smart solution brands
- The first batch of Alibaba IoT Partner Program (ICA) alliance governing units
- Awarded China's top ten whole-house smart solution brands and China's top ten real estate smart home brands for 3 consecutive years (2018, 2019, 2020)
- In 2020, Konke was recognized as a national high-tech enterprise
- Konke has applied for/obtained hundreds of patents





# LEADING STRENGTH



INDEPENDENT R&D | PRODUCTION | SALES

- One of the few domestic smart home manufacturers with wholly-owned factories.
- The leading brand in the smart home industry integrating independent R&D, production and sales.
- In 2020, a new Konke smart factory covering an area of more than 10,000 square meters has been completed, and the production capacity of smart panels reached 3 million units in the first year.
- The Konke factory adopts the industry 4.0 smart factory manufacturing model, with modern equipment that keeps pace with the times and a full set of advanced production equipment such as intelligent installation and fixing. In the future, Konke smart factory will integrate R&D, production, assembly, testing, experimentation, and warehousing, and upgrade the entire supply chain to standardization, process, and integration. The production capacity is expected to reach 5 million units next year.



# FACTORY IMAGE






# OUR PARTNERS





# DEVELOPMENT PATH

- 
- 2020** ● The introduction of fully automated production equipment has greatly increased the production capacity of the factory and is an important step towards the comprehensive completion of Industry 4.0;
  - 2019** ● Become one of the first batch of SI fellow travelers in HUAWEI HiLink and work with Huawei to create a smart human settlement scene with technology;
  - 2018** ● Cooperate with Zhejiang University to conduct a comprehensive research on the security of IoT device search engines. The heavy launch of the Chopin series has triggered intense discussions in the industry; various intelligent control products such as Starry Night series and Platinum series have become brand iconic products with their strength and design;
  - 2017** ● Became the governing unit of China Smart Home Industry Alliance (CSHIA) and the governing unit of Ali IOT Partner Alliance (ICA), and jointly released the Home Edge Gateway 3.0 with Alibaba, and formulated the new standard of device access across multiple smart home manufacturers; In the same year, Konke cooperated with Nanjing University of Aeronautics and Astronautics to establish a smart IoT laboratory to deepen the field of smart IoT;
  - 2016** ● Transformed from the field of smart hardware, launched smart solutions for the whole house, and cooperated with leading domestic real estate companies such as Greentown, Vanke, Country Garden and Agile;
  - 2010-2015** ● The Konke team was established and began to deploy in the field of smart home. Crowdfunding launched Smart Plug and Smart Plug2, setting a number of crowdfunding records and attracting attention from the whole network. The products have won industry awards. In 2015, Konke received a round A financing of 40 million yuan in capital, and Foxconn became a strategic investor;



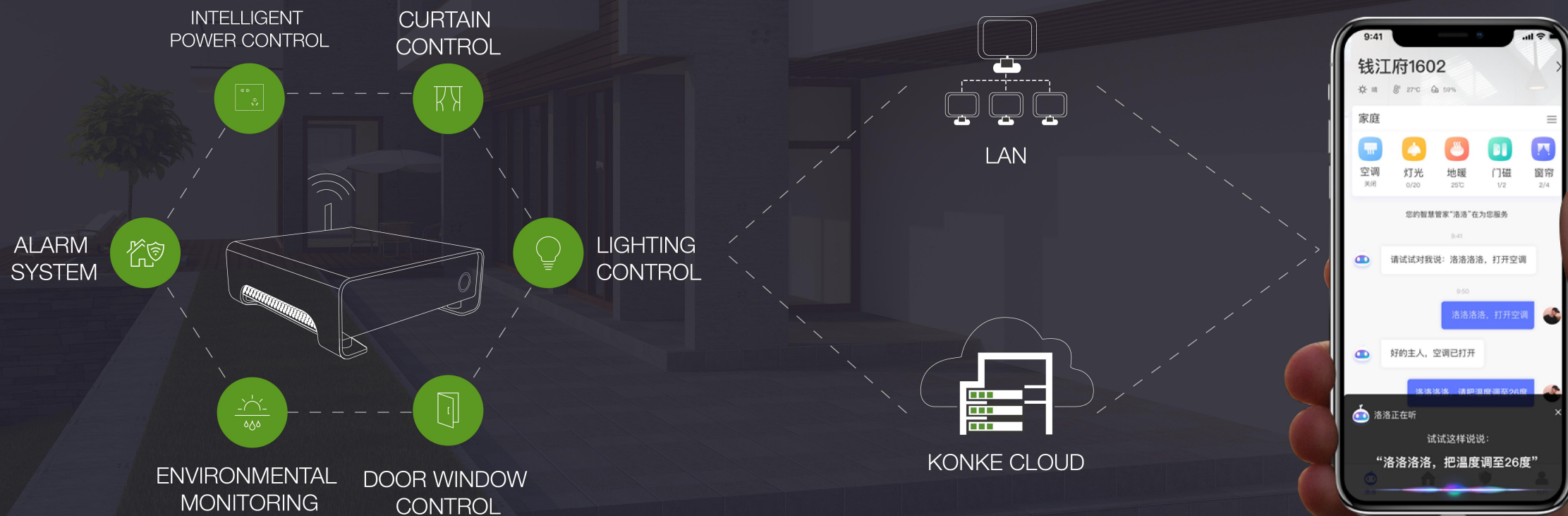
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# SCHEME ARCHITECTURE



# SYSTEM CONSTRUCTION

The Konke smart home ecosystem integrates various devices (such as lighting systems, home appliances, security monitoring, door locks and window locks, socket equipment, etc.) through the Internet of Things technology and the cutting-edge ZigBee communication protocol to provide remote control, Intelligent lighting control, home appliance control, security reminder, environmental detection and many other functions, and make these functions can be linked to each other, for example, if the temperature is higher than the comfort zone you set, the air conditioner will automatically adjust the temperature. In addition, the system also has message pushing, memory, Storage and other functions.





# ZIGBEE SYSTEM TOPOLOGY DIAGRAM



Konke smart home system adopts ZigBee wireless communication protocol. Its mesh networking method has the characteristics of convenient networking, stable and reliable signal, strong repair ability, and not easy to be interfered. It's the first choice for large-scale buildings to build smart home systems such as villas, luxury houses, etc.

- **High capacity:** Considerable expansion space, up to 65,000 external nodes.
- **Ultra-low power consumption:** The sensor can support power supply for 12-36 months or even longer.
- **Two-way feedback:** precise two-way feedback, the working status of the equipment can be seen.
- **Stable and reliable:** With self-repairing function, when a device has a signal failure, the signal is transmitted through other devices.
- **Independent ID:** Sensors and gateways have independent global unique ID to prevent network misaccess and mutual interference.
- **Short delay:** ZigBee has a faster response speed. Generally, it only takes 15ms to switch from sleep to working state, and it only takes 30ms for nodes to connect to the network.



# TECHNICAL ADVANTAGES

01

## HIGH CAPACITY

Cooperate with Amazon Cloud, the world's leading cloud technology platform, and build Konke's own high-performance servers in multiple IDC server clusters around the world, so that the Konke cloud platform far exceeds industry standards in terms of operating performance, stability, and security.

02

## SMART ZIGBEE GATEWAY

Multi-category to meet multi-scenario applications The scope of application ranges from small apartment to centralized high-rise office buildings, and the product form ranges from desktop to embedded, meeting different application environments and requirements.

03

## FULL LINK CONNECTION

With ZigBee as the system core, Konke integrates various forms of connection including Bluetooth, radio frequency, far-infrared, etc., to create a fully open and fully connected system architecture, so that users can realize the intelligent linkage of multi-brand and cross-category products at home.

04

## STRONG TRANSMISSION PERFORMANCE

With 19dBm transmit power, -95dB receiving sensitivity, and deeply optimized link layer transmission mechanism, the ZigBee products of Konke smart home have the best wireless connection and transmission performance in the industry.





## MULTI-TERMINAL CONTROL

Users can complete the control of indoor smart home products through APP, PC web, TV, voice speakers, and manual control.



MOBILE PHONE



PAD APP



PC WEB PLATFORM



VOICE PLATFORM



MANUAL CONTROL



# APP CUSTOMIZATION

According to different usage scenarios and customer needs, Konke can provide OEM APP service to improve APP experience.



## FUNCTION ADJUSTMENT:

Based on the existing APP function library, functions can be added or deleted according to customer needs, which greatly guarantees the satisfaction of functions and improves the user experience;

## OVERALL SKINNING:

According to customer brand needs, Konke can provide customer - brand APP based on Konke APP, which does not reflect konke brand and protect customer rights.

## UI CUSTOMIZATION:

According to customer needs, adjust the APP UI to match regional-user habits and make the APP experience better.



# API INTERFACE CLOUD TO CLOUD DOCKING IS MORE CONVENIENT

THE KONKE INTELLIGENT SYSTEM HAS STRONG COMPATIBILITY, SUPPORTS API INTERFACE ACCESS, CLOUD TO CLOUD DOCKING MAKES SYSTEM DOCKING EASIER;



## EXPERIENCED

Konke has rich experience in API interface docking, which can efficiently meet customers' cross-platform cloud-to-cloud docking needs;



## STABLE AND MATURE

Excellent technical team, systematic SDK service, perfect system customization;



03

## THE SOLUTION



# THE SMART HOUSE

## SMART ACCESS CONTROL SYSTEM

Multiple-way to Unlock, Build the Most Convenience, Solid Guard Line for Your House.

## SMART APPLIANCES

Control Your House By Using Remote Control, Timer, Smart Linkage.

## SMART ENTERTAINMENT

Customized Personal Home Cinema.

## SMART CURTAIN

Timer, Panel Control, APP Control, Smart Linkage Control.

## SMART LIGHTING

APP Controlled Lighting System



## SMART SECURITY MONITORING

Automatically Analyzing, Tracking in Real Time, Monitoring Subject Recognition, Update New Security Information Promptly.

## ENERGY CONSUMPTION MANAGEMENT

Detect Devices for Electronic Safety, Customize Energy-Conservation Scenario.

## VOICE CONTROL

All Appliances Follow Your Voice Commands.

## HUMAN-COMPUTER INTERACTION

Mobile Smart Interaction System, Senses Users' Request Comprehensively, Changes Users' Common Interaction Cognition.

## INDOOR ENVIRONMENT MANAGEMENT

Smart HVAC System Detect and Analyze the Temperature and Humidity, Adjust Automatically to Keep Your House a Comfortable Environment.



# THE SMART APARTMENT

- **ENERGY OPTIMIZATION SYSTEM**

The use and linkage of smart devices minimize energy consumption. At the same time, through remote data statistics, unmanned intelligent management can be realized, which greatly reduces the operation and management costs of apartment service providers.

- **INTELLIGENT ACCESS SYSTEM**

The residents of the intelligent access system can unlock the door through a variety of unlocking methods, allowing the residents to enjoy the convenience of smart life, and effectively protect the rights of the residents and reduce security risks.

- **ENVIRONMENTAL AND LIGHTING**

With human body sensor, the apartment can realize the lighting linkage such as the lights on when people come, and the lights off when people go out, so as to achieve the purpose of energy saving and emission reduction;

- **SERVICE MANAGEMENT SYSTEM**

Through the effective realization of the intelligent system, managers can view the status of each block in real time, discover and deal with possible problems in time;

- **INDOOR LIGHTING SYSTEM**

Residents can use a variety of methods to control the indoor lighting, and can also adjust the indoor lighting atmosphere through the dimming module, set a variety of scenarios according to user habits, and experience the perfect experience brought by smart home;

- **INDOOR SECURITY CONTROL**

Install smoke sensors and gas sensors indoor. The equipment can detect emergencies in time and transmit information to the residents, effectively ensuring the safety in the apartment;





# THE SMART OFFICE



- **SMART LIGHTING SYSTEM**

The intelligent office lighting system can provide dual modes of basic office lighting and scene lighting, and automatically detect indoor light intensity, which not only ensures sufficient lighting requirements for the office environment, but also enables effective energy-saving management.

- **ACCESS SECURITY SYSTEM**

Set up cameras, alarms and various sensors in multiple places in the building. Once abnormalities are found, they can be intercepted by themselves or several smart dispatch security manpower to control risk spread, improve safety factor and risk response speed, reduce security manpower costs, and make it more convenient. Backtracking.

- **ENERGY OPTIMIZATION SYSTEM**

The use and linkage of smart devices minimizes energy consumption. At the same time, through remote data statistics, unmanned intelligent management can be realized, which greatly reduces the operation and management costs of the property and the waste of energy.

- **SPACE OCCUPATION ANALYSIS**

According to customer needs, the statistics of space occupancy rate can be realized, indoor space resources can be effectively used, and environmental parameters of relevant areas can be adjusted in time according to the space occupancy to bring better office experience.



# THE SMART HOTEL

- **HOTEL MANAGEMENT SYSTEM**

Konke hotel management system can fully realize the intelligent management of the hotel. Different scenarios are designed from the customer service side and the hotel side, so that customers can experience high-quality intelligent life enjoyment and make hotel management more standardized. [Access on demand]

- **SECURITY MONITORING SYSTEM**

A comprehensive smart hotel security monitoring program, through infrared cameras, smart locks, and various sensing devices to ensure the safety of guests, while paying more attention to protecting guest privacy.

- **INTELLIGENT SCENE SYSTEM**

Guests can control the lights, curtains, air-conditioning, TV and other equipment in the hotel rooms freely through voice equipment. In addition, the rich scene modes such as watching movies, reading, entertainment, and sleeping can also make guests have a warm experience.



# PROJECT DELIVERY CAPABILITY

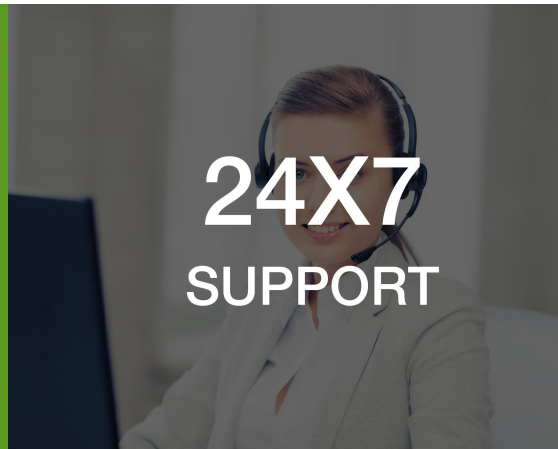
Konke's professional project support engineers help solve all technical requirements in the project:

- ① Whole house smart solution customization
- ② Product customization demand solution
- ③ Point construction and installation drawings
- ④ Installation guide for the whole equipment layout
- ⑤ Demo room debugging guide
- ⑥ Remote/onsite training for technicians



**HOTEL  
MANAGEMENT  
SYSTEM**

SCHEME DESIGN  
PROJECT CUSTOMIZATION  
IMPLEMENTATION PLAN



**24X7  
SUPPORT**

ANSWER INQUIRIES AROUND  
THE CLOCK 7X24 HOURS

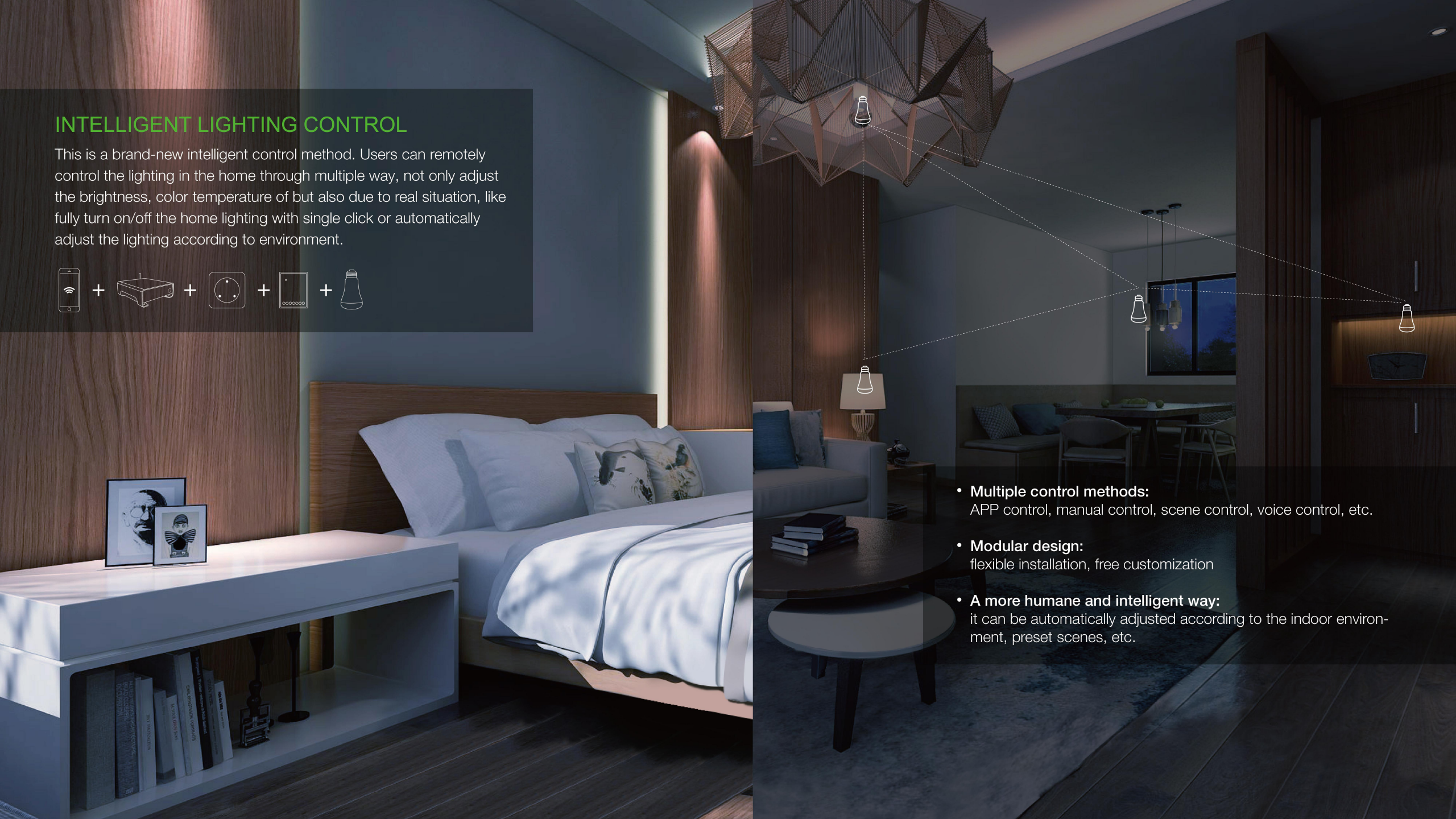
04

# COMMON SCENARIOS



## INTELLIGENT LIGHTING CONTROL

This is a brand-new intelligent control method. Users can remotely control the lighting in the home through multiple way, not only adjust the brightness, color temperature of but also due to real situation, like fully turn on/off the home lighting with single click or automatically adjust the lighting according to environment.



- **Multiple control methods:**  
APP control, manual control, scene control, voice control, etc.
- **Modular design:**  
flexible installation, free customization
- **A more humane and intelligent way:**  
it can be automatically adjusted according to the indoor environment, preset scenes, etc.



### Anytime, Anywhere:

Users can learn about various situations in the family through the camera anytime, anywhere.

### Safety reminder:

In the away mode, the indoor sensor will report every move indoors.

### Interaction as you wish:

Users can combine security equipment with lights, curtains, etc. to achieve a more humane and intelligent experience.



## INTELLIGENT LIGHTING CONTROL

The security monitoring system is divided into two parts: monitoring and security. When the human sensor and alarm are triggered, the APP will immediately push security information to remind users in time. If a stranger breaks in, the camera can monitor and capture the situation in real time; if a gas leak or fire occurs, the user can take decisive measures to avoid the danger from expanding.





## INTELLIGENT ACCESS CONTROL

The smart access control system changes the traditional key unlocking mode, and the door can be opened by fingerprint, password, card, APP remote, physical key and other methods;



- **Multiple unlocking:**

The user can control the door lock by fingerprint, password, card, APP remote, physical key and other methods;

- **Safety and thoughtfulness:**

every time the door lock is opened, the user can receive an unlock reminder, effectively escorting safety;

- **Intelligent experience:**

According to user preferences, it is no longer an alarm clock that wakes you up from sleep, but the warm sunshine.





## INTELLIGENT ENVIRONMENT CONTROL

Konke environment sensors can sense environmental changes in time, including temperature, humidity, light and other factors; according to the environment, the system will automatically respond, including opening/closing curtains, adjusting the brightness of the light, turning on the humidifier and other accessible devices. Keep the indoor environment in the best experience.



- **Intelligent control:**  
no user operation is required, the intelligent system makes judgments according to the indoor environment;
- **Safe and energy-saving:**  
The sensor can turn on/off related device according to the indoor environment to optimize energy utilization;



## INTELLIGENT VOICE CONTROL

The user can directly control the smart devices through voice command. For example, "hi Alexa, turn on the bedroom light and close the curtain". Konke support all the mainstream voice platform in the market, and the strong compatibility gives full play to the user's imagination of smart speakers;

hi Alexa, turn on the bedroom light and close the curtain





Through the accumulation of Konke's years of smart home experience, Konke is also exploring in some subdivisions

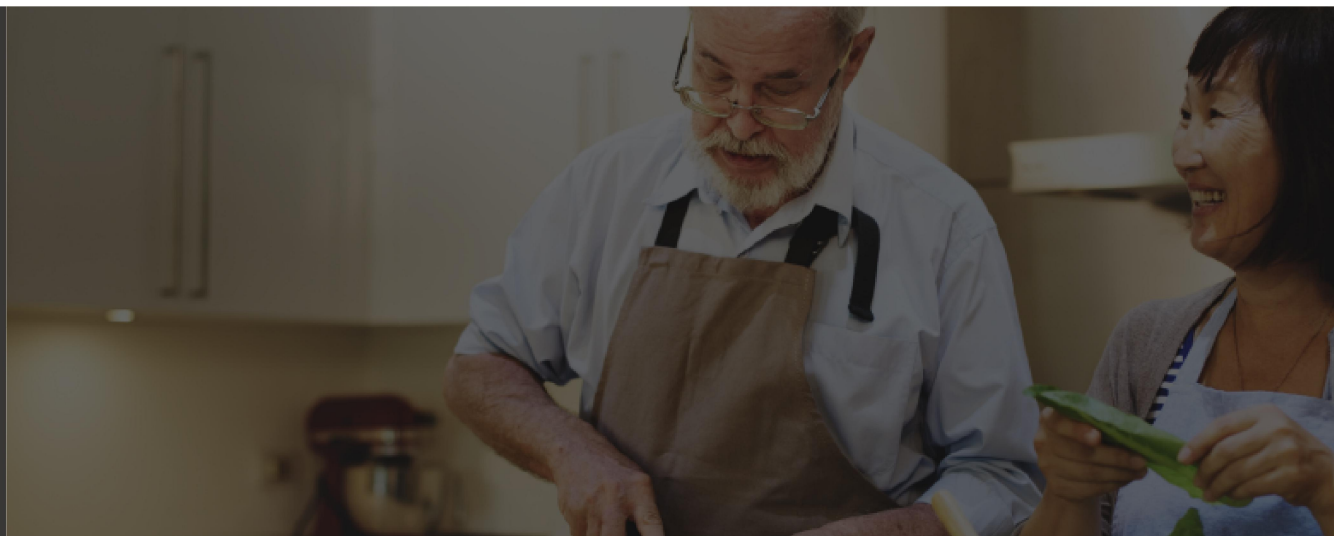


## INTELLIGENT OFFICE

Through high-end sensors, it can determine the intensity of personnel in different regions, statistics on space utilization, energy consumption control and optimization, etc. We hope to improve the lives of all people through technology.

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## WAKE UP MODE



Get up in the morning, the curtains are slowly opened, the voice speaker plays wake-up music, calling you to wake up and start a wonderful day, you can ask the voice speaker, ask it about today's weather and get ready for travel.





## AWAY MODE



Choose the away mode before going out. The lights and electrical appliances in the home are automatically adjusted to the state of standby. From the moment the door is closed, the human body sensors in the hallway, aisle, sirens and entry sensors on the door/window begin to defend. The curtains are slowly closed, and the smart camera turns the pan-tilt to aim at the entrance. When there is movement at the door, the video doorbell will not let go of any unfamiliar face.





## HOME MODE

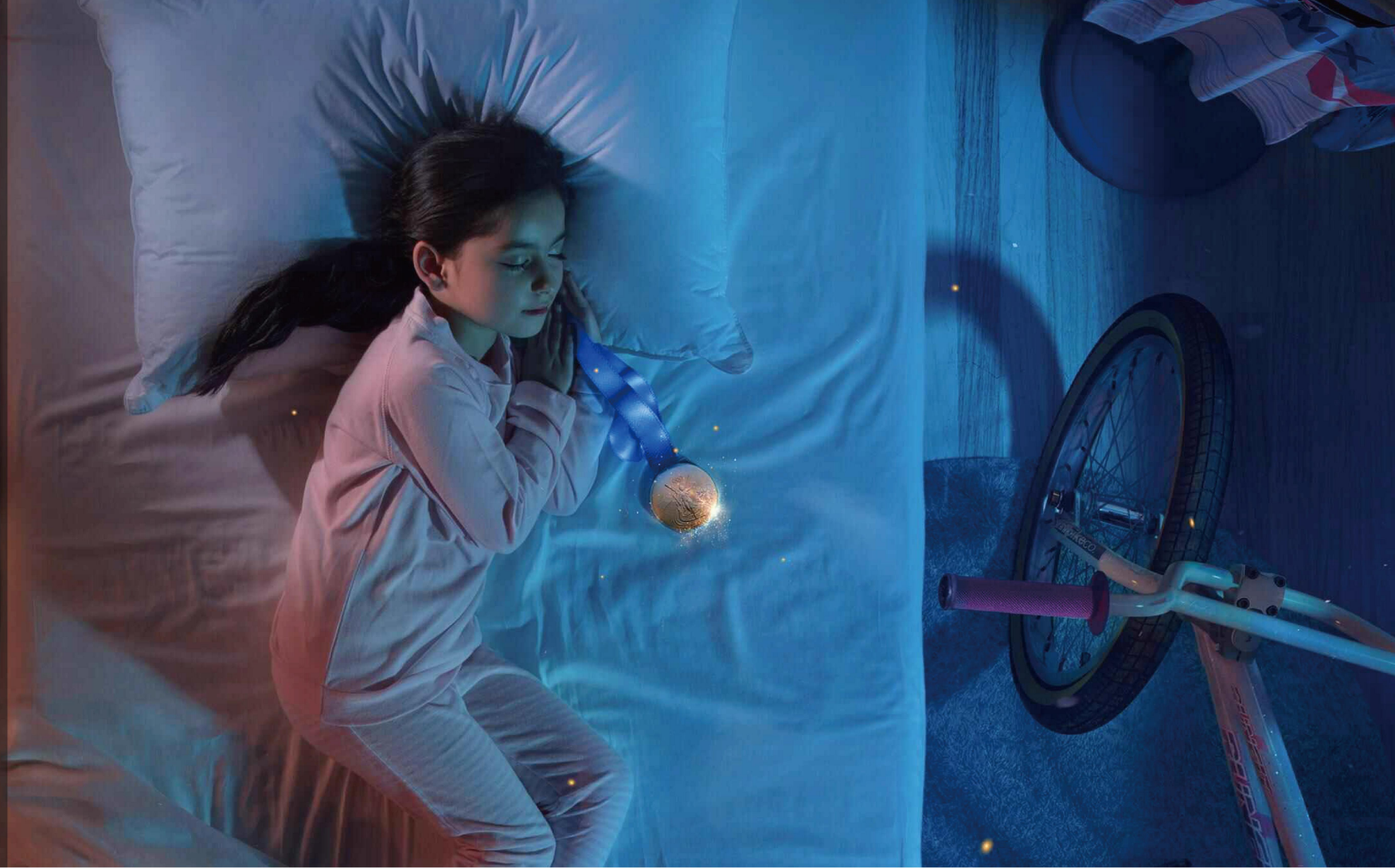


After a busy day, when you come home, easily open the door with fingerprint, the entrance, the aisle, the living room, all the lights are turned on for you wherever you go, the smart speaker is playing your favorite music, the bathroom water heater is already heating.





## SLEEP MODE



Lying on the bed, sleep mode can eliminate a series of trivial tasks such as closing the window, closing the curtains, turning off the light and turning off the TV before going to bed, allowing you to quickly fall asleep. The humidifier and air purifier will automatically turn on and adjust the bedroom air quality, the air conditioner will automatically adjust the best sleeping temperature, all of which are only for a better sleep experience.



05

# THE CASE SHOWS



## PROJECT INFORMATION

Project Name: Agile Clear Water Bay Project

Project address: Hainan Province

Developer: Agile Real Estate

Commencement and completion time: 2008-2018

Project positioning: high-end resort

Product: Platinum series, Chopin series







**AGILE CLEAR WATER BAY  
THE CASE SHOWS**



## PROJECT INFORMATION

Project Name: Huahong Blue City Spring Breeze Nanxi

Project address: Wenzhou

Developer: HUAHONG JIAXIN

Commencement and completion time: 2019-2021

Project positioning: idyllic life

Product usage: lighting control system (including dimming), air conditioning control system, floor heating control system, smart security system, curtain control system, background music system, environmental monitoring system, smart home appliance control, energy consumption monitoring system, etc.







**BLUE CITY SPRING BREEZE NANXI  
THE CASE SHOWS**



## PROJECT INFORMATION

Project Name: Jinke Bocui Blue Bay

Project address: Hangzhou

Developer: Jinke Real

Commencement and completion time: 2020-2022

Project positioning: high-end

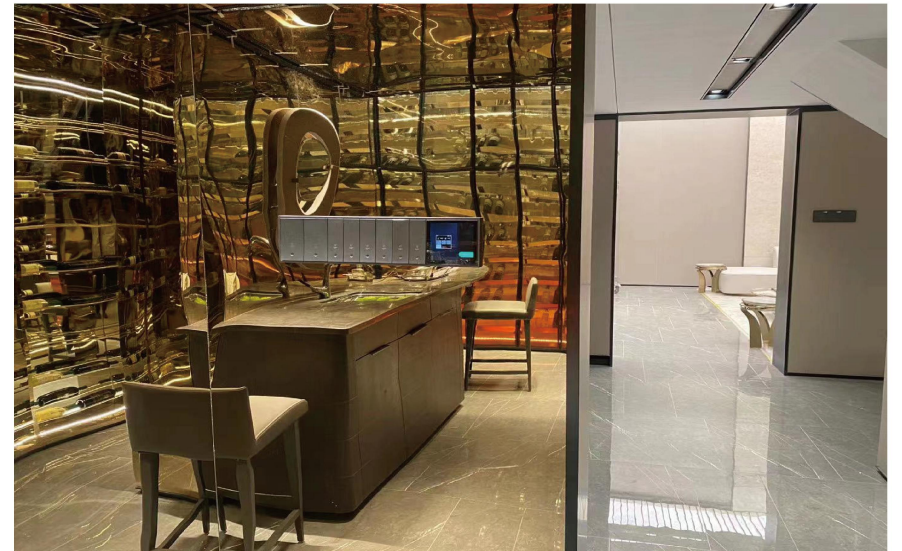
Product usage: lighting control system, air conditioning control system, fresh air control system, intelligent security system, curtain control system, background music system, environmental monitoring system, intelligent home appliance control







**BOCUI BLUE BAY  
THE CASE SHOWS**



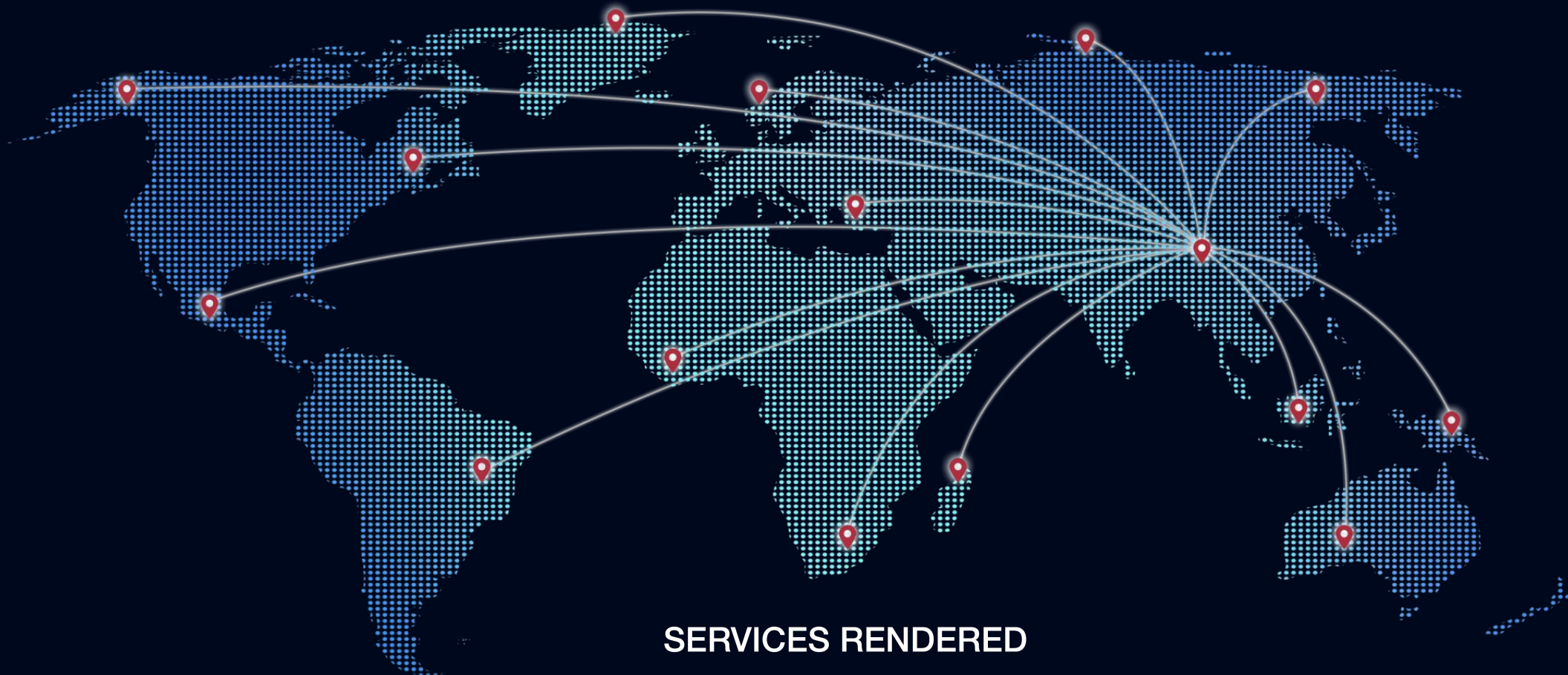


SERVICES RENDERED

3,000,000+

DOMESTIC AND FOREIGN USERS





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