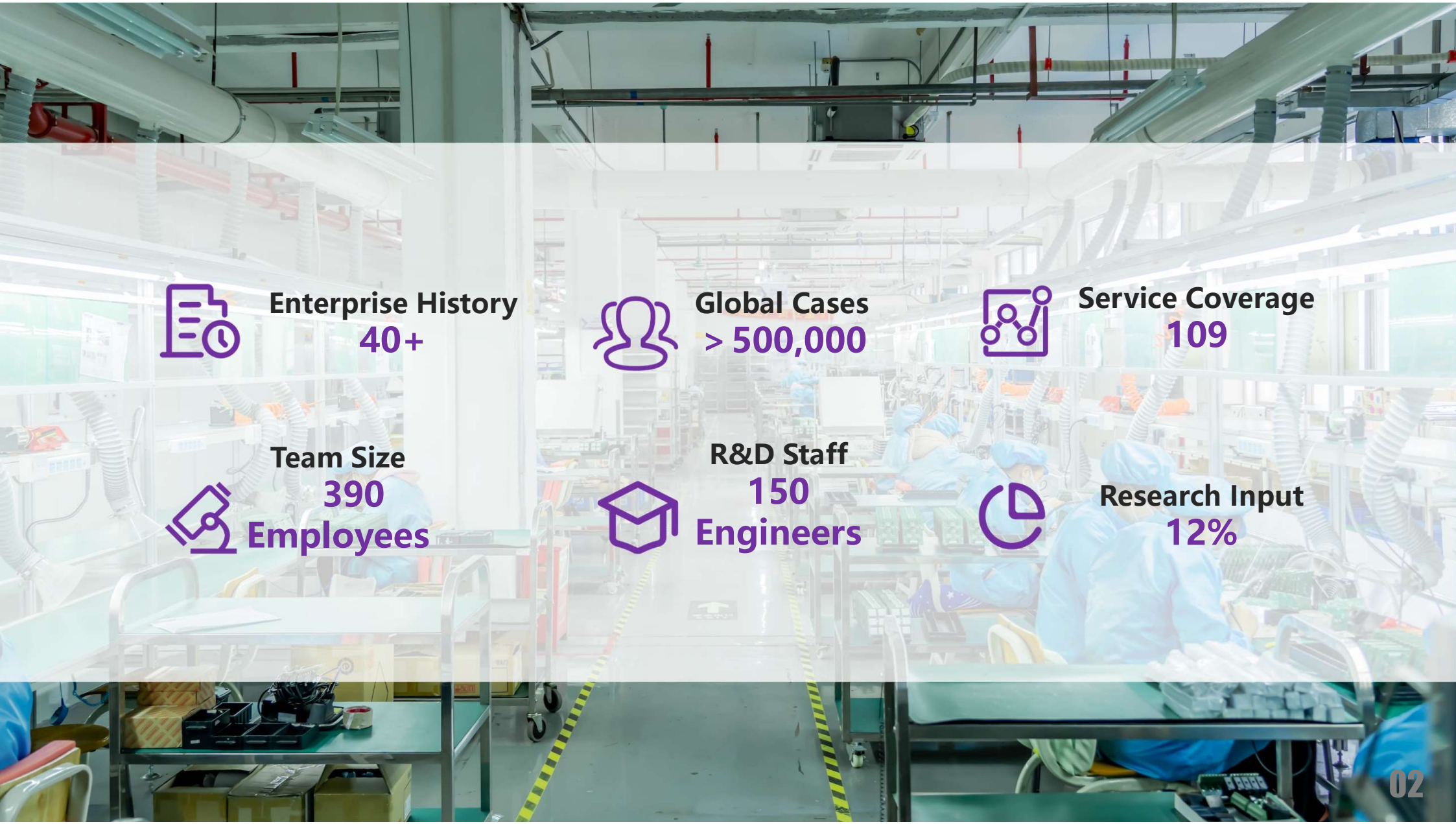

HDL®
CONFERENCE
GREECE 2026


HDL®
HEALTHY
Smart Building | Smart Hotel | Smart Home | Solar Energy Management



Enterprise History
40+

Global Cases
> 500,000

Service Coverage
109

Team Size
390
Employees

R&D Staff
150
Engineers

Research Input
12%

Development History

1985

- Founded by the Liang brothers.
- Pioneer in stage lighting control.



1990

- Developed the **China's first semi-digital dimmer.**
- Lighting control at the Great Hall of the People.



2004

- Pioneer in China's smart home trend
- First to offer a complete smart home solution

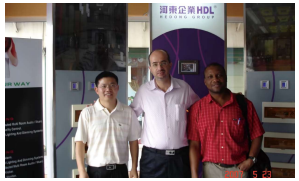


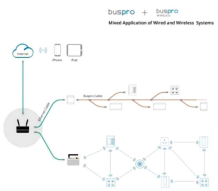
2006

- **Became a member of KNX International Association — China's first.**

2007

- First Chinese smart home brand to go global.





2015

- Launched proprietary Buspro Wireless protocol.
- Among China's first to offer a full wireless smart home solution.



2017

- Authorized as the 16th certified KNX test center worldwide.
- One of only two KNX test centers in mainland China.

2020

- First in the industry to break protocol barriers with LINK protocol.



2023

- Launched Source 7 control panel, combining gateway, indoor intercom, and control panel in one device.



2024

- Named China's No.1 Wired Smart Home Brand
- Powers iconic luxury projects such as Guangzhou Baiyun Railway Station and Aman Residence in Japan



- KNX China **Council Member**
- **Rotating president** of KNX China organization

40 Years Over 600 Awards

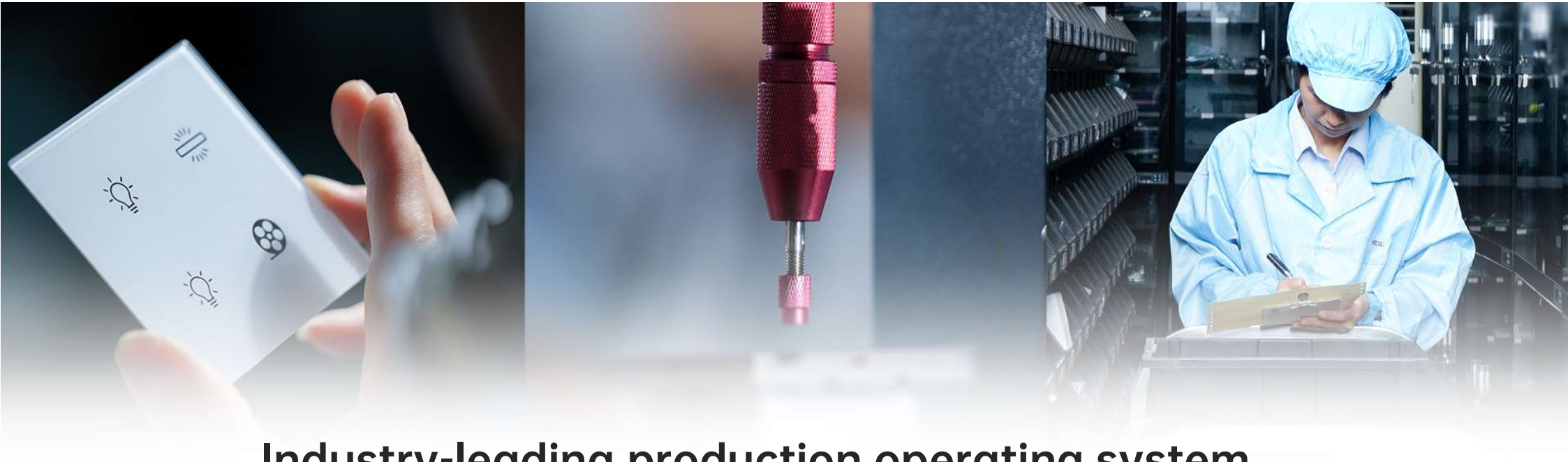
No.1 Wired Smart Home Brand in China.

Awarded to China's **top 5% companys** with niche dominance and tech leadership.

Recognize as a market leader in specialized manufacturing, showcasing **world-class expertise.**

Fast-growing company in China with billion-dollar potential and disruptive innovations.





Industry-leading production operating system

- Mature supply chain management
- Multi-skilled operational mechanics
- Rigorous automated testing
- Fast delivery capability
- Sophisticated equipment and strong production capacity
- Customization capability
- Comprehensive quality control



Self-developed Technology and Smart Innovation

- Solid technical foundation
- Efficient R&D investment
- Comprehensive product portfolio
- Rigorous testing standards
- Continuous team development

Intellectual Property Rights

63 Invention Patents

47 Utility Model Patents

95 Design Patents

Over 60 National (regional) Registered Trademarks

206 Software Copyrights

Mutiple Guangdong Famous High-tech Products



Product Certifications

CE · SAA · PVoC · RoHS · VOC · EAC · SRRC · RoHS NPS · CQC · RED · ...

System Certifications

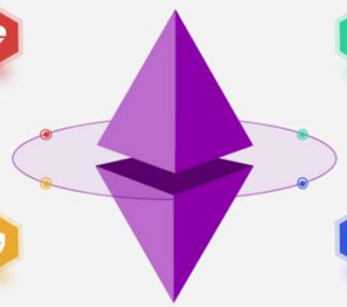
ISO10012
2003
Measurement Management System

ISO45001
2018
Occupational Health and Safety System

ISO14001
2015
Environmental Management System

ISO17025
2017
General Requirements for the Competence of Testing and Calibration Laboratories

ISO9001
2015
Quality Management System



Rigorous Testing

Strictly tested in accordance with national standards:

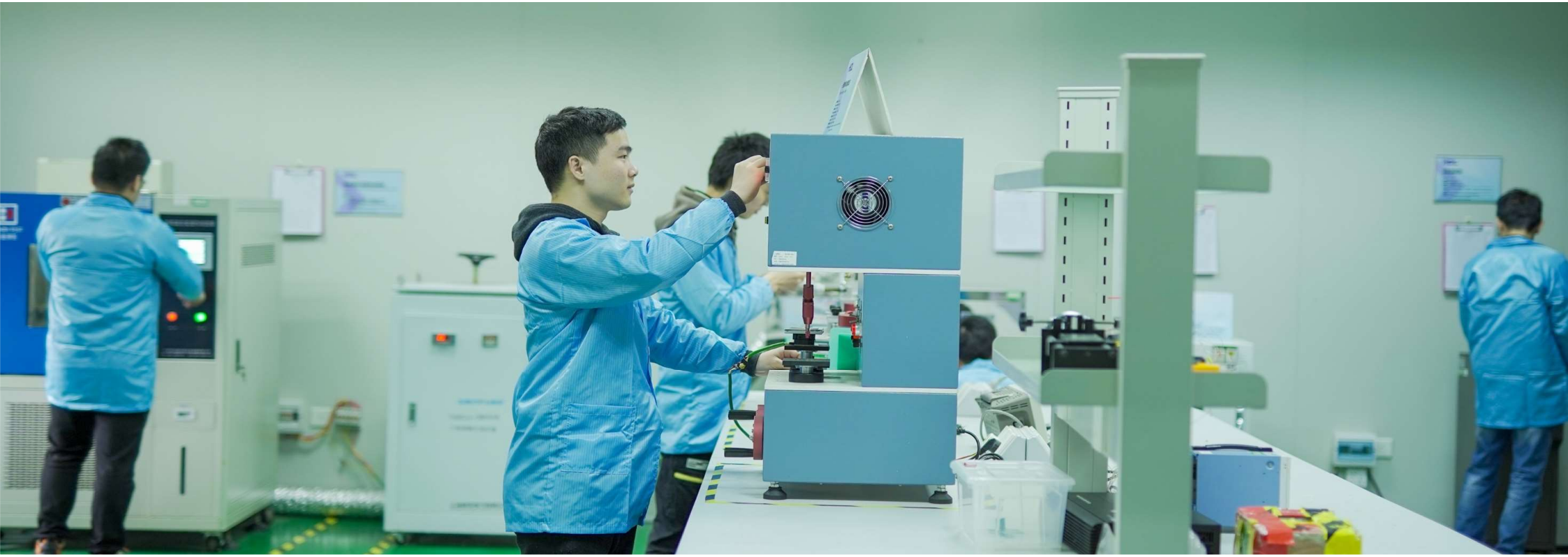
- Pulse Interference Test
- Conducted Disturbance Test
- Lightning Surge Test
- Voltage Dip Test
- Electrostatic Discharge Test
- CE Conducted Emission Test
- Power Frequency Magnetic Field Test
- High Temperature Aging Test
- Explosion-proof Test Chamber
- Dustproof Test Chamber
- Vibration Test Bench
- Button Tester
- Salt Spray Tester
- Push-pull Force Tester
- Abrasion Tester
- Insertion/Extraction Tester
- Withstand Voltage Insulation Tester
- Digital Power Parameter Tester
- Electronic Load Test
- Multi-function Power Supply Equipment
- Drop Test Stand
- Ball Drop Test Stand
- Waterproof Test Chamber
- Combustion Test Chamber
- Temperature & Humidity Test Chamber

1200m²
Size Test Lab

100+
Test Machines

150+
Inverter Test Process

Rigorous Testing



- Precision measurement through hundreds of manufacturing steps, combined with triple re-inspection, greatly reduces the risk of latent defects;
- Each product is assigned a unique identification code for full traceability throughout the entire process;
- Integrated management system combining ISO9001, ISO14001 and ISO45001;
- Factory outgoing quality rate reaches 99.98%;
- 100% compliant with ROHS environmental standards;
- Temperature reliability test from –20°C to 55°C, and 48-hour salt spray test。

HDL service network spans across 106 countries worldwide



109 Countries

850 Cities

Service Network Coverage



500,000 Projects

9,500 Hotels

1,400,000 Guest Rooms

5,000,000 Households

Marketing Activity Reach in 2025



Ecosystem Partner





HDL Project Reference

Global Landmark Case Study



2008

Dubai Villa Complex, UAE

HDL equipped 175 villas in this project with the HDL Buspro intelligent control system, enabling control of lighting, security, music, air conditioning, TV, video intercom, as well as IPPBX telephony and high-speed networking. The two HDL panel models – Classic S and Simple S – were chosen to perfectly complement the villa architectural style.



2009

BMW Museum, Munich, Germany

Each exhibition area in the youth centre had different functional requirements, and HDL implemented distinct lighting effects for each. The model car exhibition hall integrated modern lighting, sound and multimedia technology, simulating spectacular effects from multiple angles through variations in sound, light and electricity, delivering an immersive experience to visitors in auditory, visual and tactile dimensions.
In rest areas and corridors, HDL-MS04 sensor input modules were installed. Lights gradually brighten when presence is detected and fade out when the space is vacant, achieving energy-saving and intelligent control. In the science classroom and coffee shop, dimming modules interact with infrared motion sensors, so lighting turns on/off or automatically changes scenes as people move – both energy-efficient and convenient.



2013

New NATO Headquarters, Belgium

HDL provided KNX-based systems and products for this project, enabling intelligent lighting and energy-saving control throughout the building.
With this system, all lighting designs fully utilise natural daylight, creating a healthy lighting environment while achieving optimal energy efficiency.
To improve the operational efficiency of electrical equipment and reduce management costs, the HDL intelligent control system allows both local and remote management. Staff can monitor and control all internal electrical devices in real time via the supervision platform, greatly enhancing work efficiency.



2019

Dubai International Airport, UAE

HDL deployed the Buspro intelligent control system for baggage claim halls in Terminals 1, 2 and 3, as well as the CCTV monitoring centre, enabling intelligent switching and control of airport lighting. In this project, HDL applied multiple dimming technologies including leading-edge, trailing-edge, DALI and DMX, achieving adjustable brightness, colour temperature and RGB colour presentation, creating a variety of dimming effects.

Global Landmark Case Study



2019

Prague National Opera House, Czech Republic

HDL supplied the KNX-based intelligent lighting control system for this project, enabling flexible control of lighting equipment. During performances, staff can precisely and linearly adjust colour temperature and brightness in different lighting zones according to the plot development, achieving integration and interaction between lighting scenes and stage space, offering the audience a dual visual and sensory experience.
Furthermore, the system monitors energy usage and equipment status in real time, synchronising this information to the main console, so that staff can always keep track of the lighting equipment status and respond promptly.



2023

Guangzhou Baiyun Railway Station, China

HDL' s intelligent lighting provides station staff with a more convenient operational experience, paired with Zhihuan smart panels and the HDL Graview visual intelligent building management platform. This enables centralised lighting control across multiple loops, with functions such as real-time energy monitoring and statistical energy efficiency analysis.
HDL equipped the station with 700 light sensors to monitor brightness in each area in real time, automatically adjusting lighting levels according to natural illumination, thereby reducing manual intervention and saving energy.
In addition, the HDL intelligent lighting system connects to the station' s BAS+ management platform, integrating with the railway comprehensive information network to obtain train schedule data and automatically adjust platform lighting based on train arrival times.



2024

Kyrgyz Presidential Administration Building

Covering approximately 30,000 m², this building serves not only as the President' s office but also as a venue for major state events and the reception of foreign heads of state and senior officials.
The project adopted the HDL KNX system, integrated with BACnet, Modbus and BMS for intelligent control. Users can enjoy DALI lighting control via HDL smart panels, as well as automated lighting adjustments enabled by HDL sensors for a human-centric experience. The entire automation system can be monitored and managed in real time from the control centre, and all public areas are centrally managed and supervised through monitoring and control software.



2024

Aman Residences, Tokyo, Japan

Located in the heart of Tokyo' s Azabudai Hills, at the centre of Japan' s tallest skyscraper – the Mori JP Tower (330 metres high, the tallest in Japan) – the Aman Residences represent the pinnacle of luxury housing in Japan.
The project comprises 91 apartments in total. Apart from the top-floor penthouse priced at ¥30 billion, other units have an average price of ¥2 billion (approximately RMB 95 million), making it one of the most expensive residential projects in the world.
As Aman' s first standalone residential project globally, it demanded exceptionally high stability, dimming performance and aesthetic panel design. All 91 residences adopted the HDL KNX system with DALI and trailing-edge dimmers, along with the Fangyue system control panels.

MARRIOTT

Marriott International

- Sheraton Novi Sad Hotel, Serbia
- 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
- 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







IHG HOTELS & RESORTS

InterContinental Hotels Group PLC (IHG)

- Crowne Plaza Christchurch
- InterContinental Citystars Cairo, Egypt
- 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







Accor S.A.

- Swiss Hotel Antalya, Türkiye
- Mercure Antalya Konyaalti, Türkiye
- Rixos Radamis Sharm El Sheikh, Egypt
- Rixos Premium Magawish, Egypt
- Marmara Sea Mövenpick Hotel, Türkiye
- Pullman Kuala Lumpur City Centre Hotel and Residences Hotel
- The Emporium Plovdiv - MGallery, Bulgaria
- Pullman Lombok Merujani Mandalika Beach Resort, Indonesia
- Sofitel Casablanca Tour Blanche
- Pullman Auckland Hotel & Apartments
- Ocean Spring Resort Chengdu, MGallery by Sofitel
- 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







Hilton
HOTELS & RESORTS

Hilton Worldwide Holdings Inc.

- Hilton Moscow Leningradskaya
- Hilton Garden Inn Jakarta Taman Palem
- DoubleTree by Hilton Antalya City Centre
- 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
- Hilton Worldwide Holdings Inc.
- Antalya City Centre
- Conrad Sanya Haitang Bay
- Hilton Lijiang China







WYNDHAM
HOTELS & RESORTS

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 Grand Plaza Royale Hi-Tech Weinan
- Howard Johnson Jinlin Plaza Lijiang
- Howard Johnson Yilin Hotel
- Wyndham Grand Plaza Royale Palace Chengdu
- Zhongtai Howard Johnson Hotel
- Wyndham Grand Tongren Downtown Hotel
- Ramada Plaza by Wyndham Anshun
- Howard Johnson by Wyndham Wenting Hotel Changsha
- Baiyuan Howard Johnson Hotel



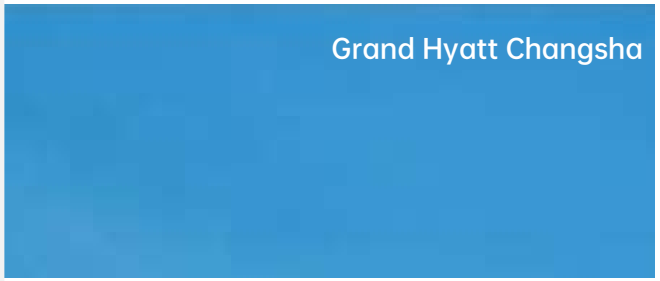




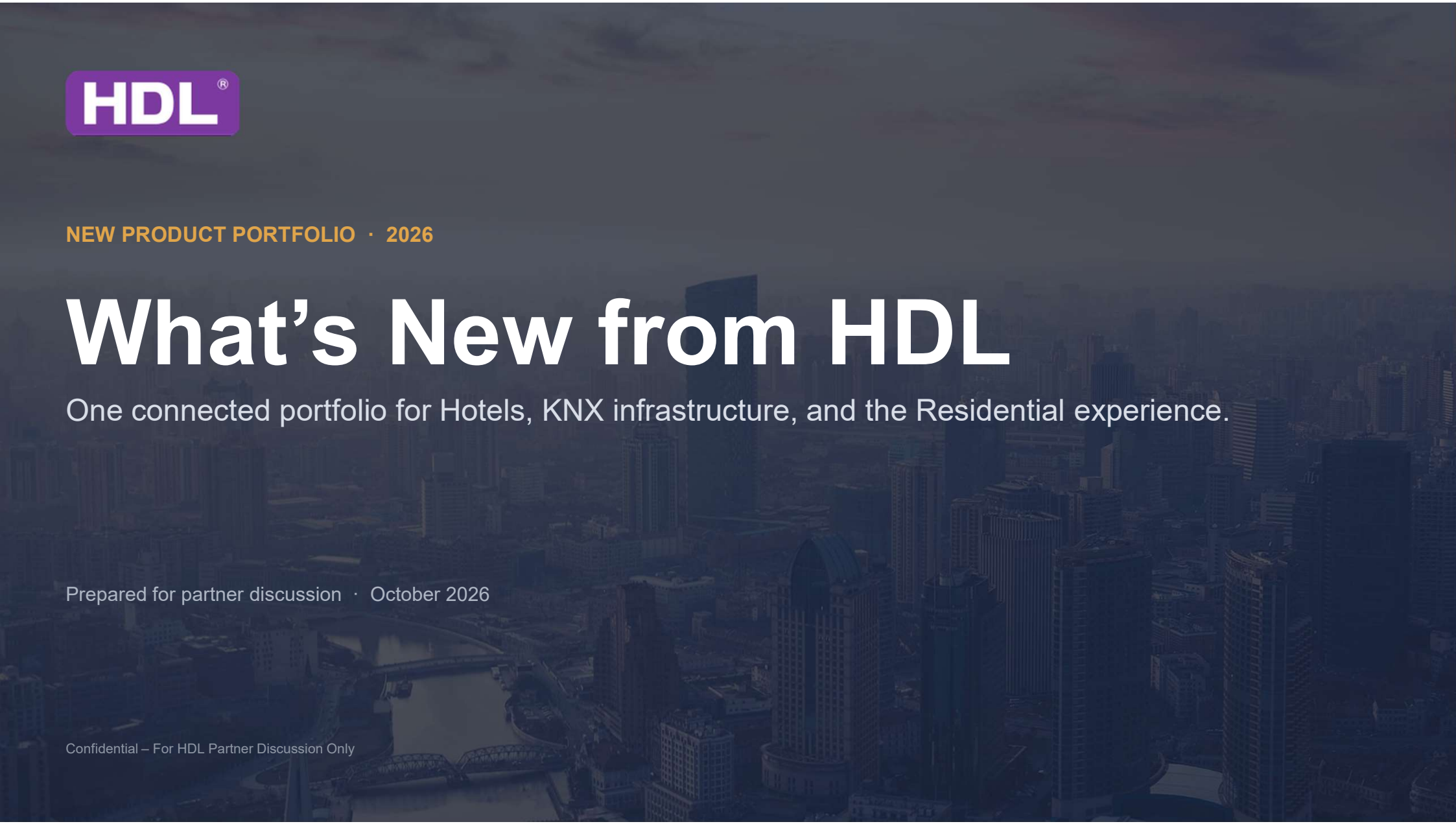
Hyatt Hotels Corporation

- Park Hyatt Hotel, Sydney
- Hyatt Regency Delhi
- Grand Hyatt Changsha
- Jinmao Hotel Lijiang









NEW PRODUCT PORTFOLIO · 2026

What’s New from HDL

One connected portfolio for Hotels, KNX infrastructure, and the Residential experience.

Prepared for partner discussion · October 2026

Confidential – For HDL Partner Discussion Only

01

KNX HOTEL SOLUTION

02

KNX INFRASTRUCTURE

03

RESIDENTIAL EXPERIENCE

CHAPTER 01

01

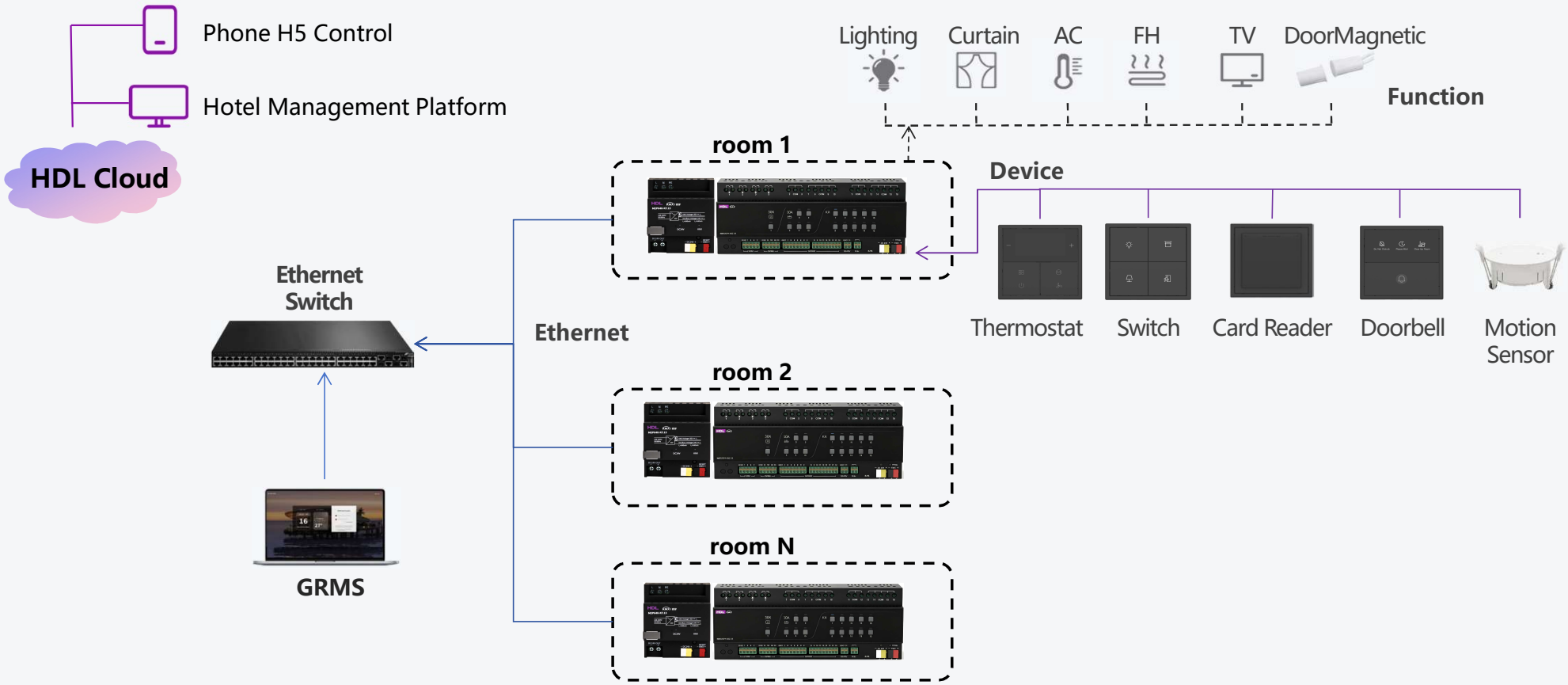
KNX HOTEL SOLUTION

A single certified KNX RCU behind lighting, HVAC, curtains, floor heating and room access — commissioned from a browser.

IN THIS CHAPTER

01 System architecture
02 One device, every interface
03 Complete room control
04 IHMS: cloud or on-site
05 Cloud vs edge comparison
06 Web commissioning
07 Chapter recap

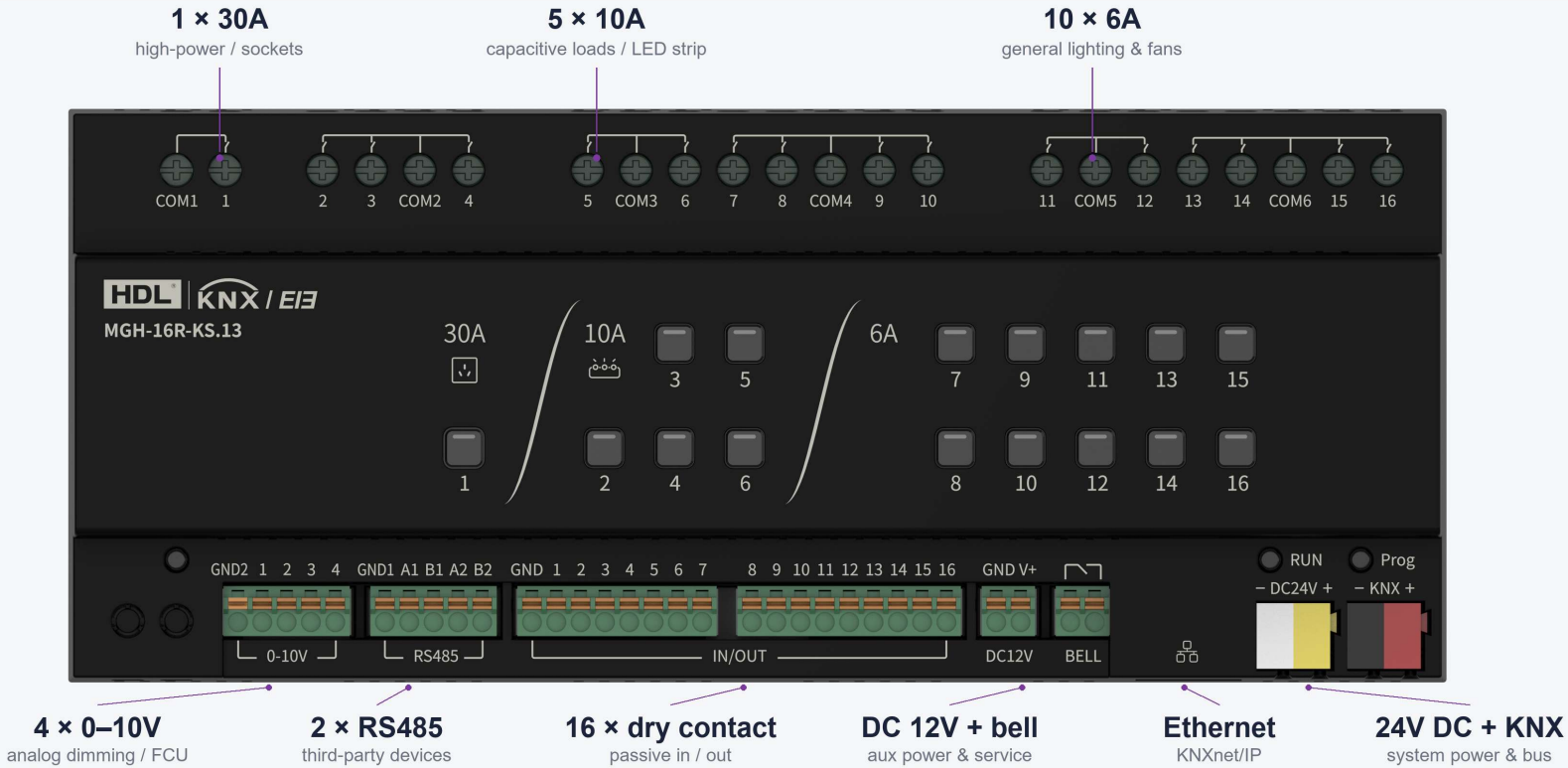
How a hotel room connects



01 • KNX HOTEL SOLUTION

One device, every interface the room needs

Relays, dry contacts, 0–10V, RS485, KNX and IP on a single DIN-rail unit



KNX Secure

MGH-16R-KS.13 · 216 × 90 × 64 mm · TH35 DIN rail · PA66 V0 housing · IP20

01 • KNX HOTEL SOLUTION

One KNX RCU for complete hotel room control

A single, certified room control platform — not just another module.

Lighting
switch / dim / scene

HVAC
FCU / AC control

Curtain
open / stop / %

Floor Heating
active / passive

Ventilation
exhaust fan

KNX Certified

KNXnet/IP

PMS Integration

RS485 Extension



KNX Secure

Why it matters

- **One device controls the whole room.**
- **Built for luxury hotels, KNX certified and future-proof.**
- **Connects to your PMS, so guests and staff see the room you already run.**

01 • KNX HOTEL SOLUTION

True independent dual output — KNX + 24V together

KNX Dual Power Supply · MEP640-KT.13 — no shared-load compromises.

640mA KNX +
640mA auxiliary, simultaneously.



- **True independent outputs — each supports full load without interfering with the other.**
- **Better compatibility for KNX devices and 24V auxiliary devices in one module.**
- **Higher load capacity than common shared-output designs.**

01 · KNX HOTEL SOLUTION

Cloud or on-site. Your call.

One IHMS interface, two deployments — chosen per property, not per product line.

IHMS Cloud · SaaS

- Browser access — nothing to install
- Many properties, one account
- Opera PMS in the cloud

IHMS Edge · On-site

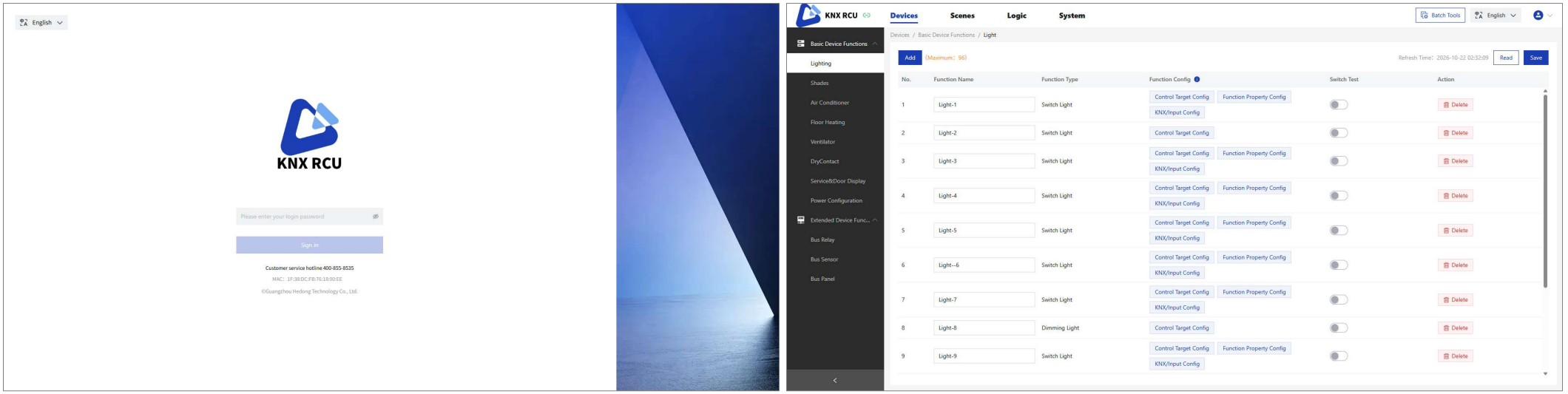
- Runs inside the property network
- Keep working offline
- Opera on-premises/Cloud, BMS via BACnet/IP

Same screens, same logic. What changes is where the data lives — and what keeps running when the network does not.



01 • KNX HOTEL SOLUTION

Your browser is the commissioning tool



Web configuration built into the KNX RCU — ready the moment you plug in

- **No software** — one cable, one browser, straight into the controller
- **No account** — password only, nothing to wait for on site
- **Batch commissioning** — one standard room, backed up and replicated across the floor
- **No coding** — devices, scenes, logic and system, set up on four screens

CHAPTER 02

02

KNX DIN-rail Portfolio

Higher channel density, true-independent power and — in a narrower footprint.

IN THIS CHAPTER

01 Apple HomeKit integration

02 KNX VRV/VRF gateway, outdoor & indoor

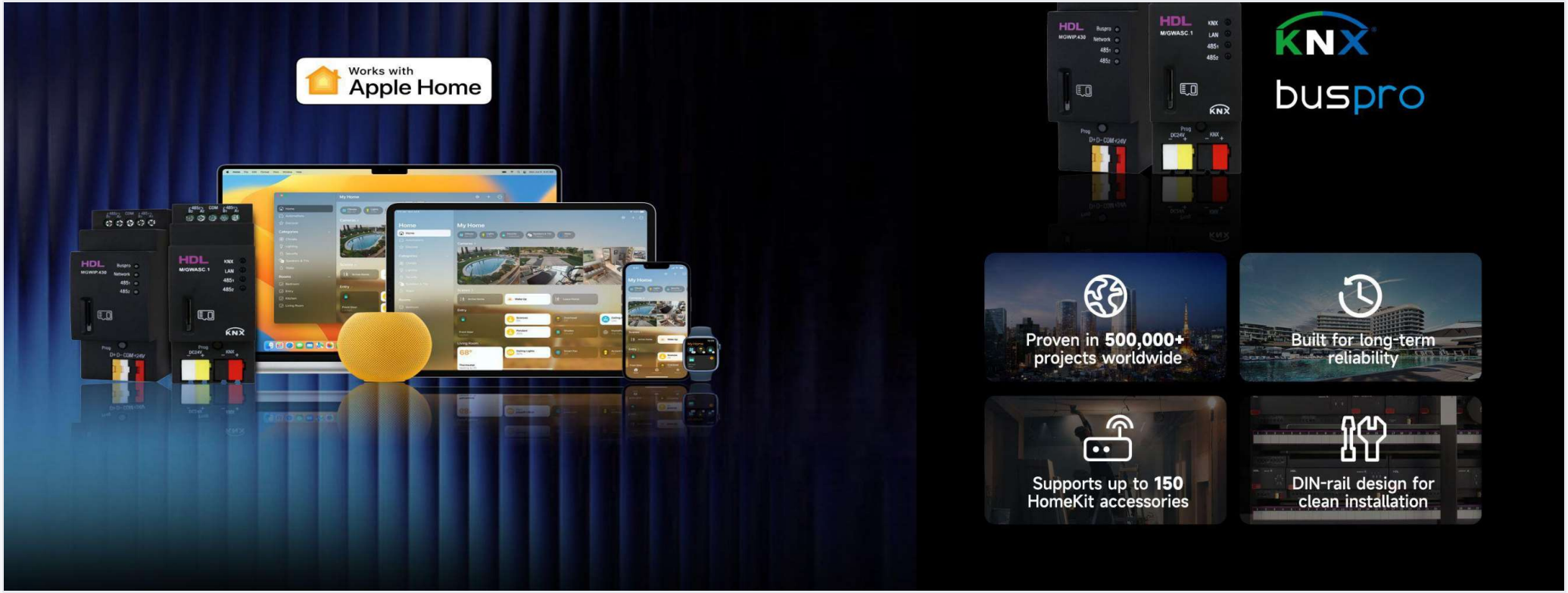
03 True-independent KNX + 24V output

04 21-channel multi-function actuator

02 • KNX DIN-rail Portfolio

Works with Apple HomeKit

Natively to Apple Home — no extra hub in the middle.



Control lights, curtains, climate, scenes and sensors from iPhone, iPad, Apple Watch or HomePod.

02 • KNX DIN-rail Portfolio

One gateway for the outdoor unit

KNX VRV/VRF Gateway — outdoor-unit version.

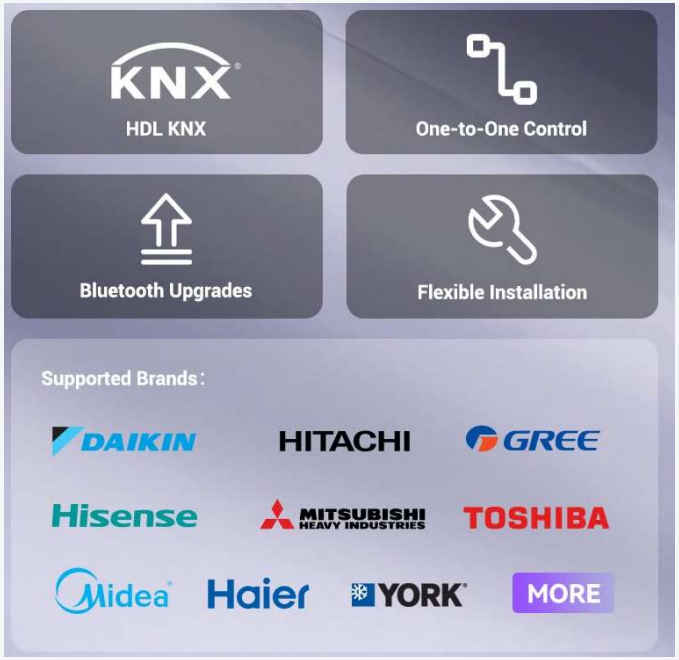
One-to-One / Outdoor Unit

KNX VRV/VRF Outdoor Unit Gateway



One-to-Many · one outdoor gateway, one outdoor unit

- HDL KNX System Integration
- One-to-Many Control
- Bluetooth Upgrades
- Flexible Installation
- Wired Controller Coexistence*



02 • KNX DIN-rail Portfolio

One gateway for each indoor unit

KNX VRV/VRF Gateway — indoor-unit version.

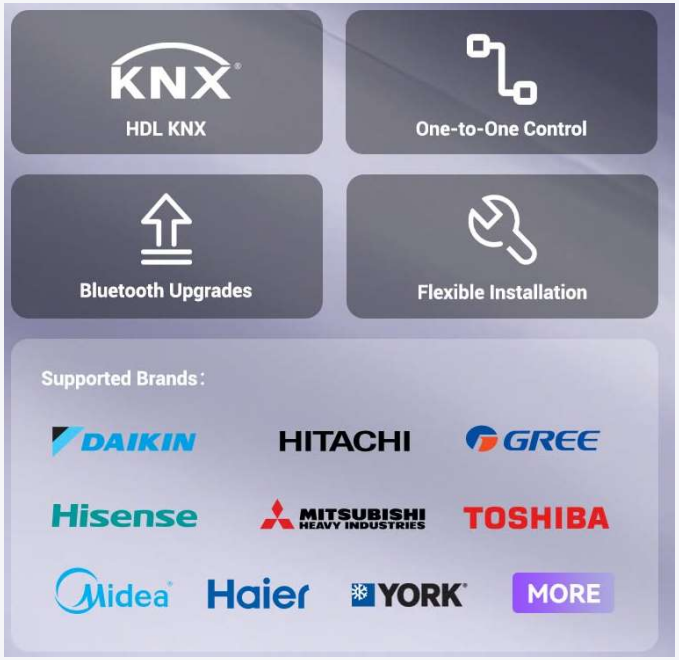
One-to-One / Indoor Unit



KNX VRV/VRF Indoor Unit Gateway

One-to-one · one indoor gateway, one indoor unit

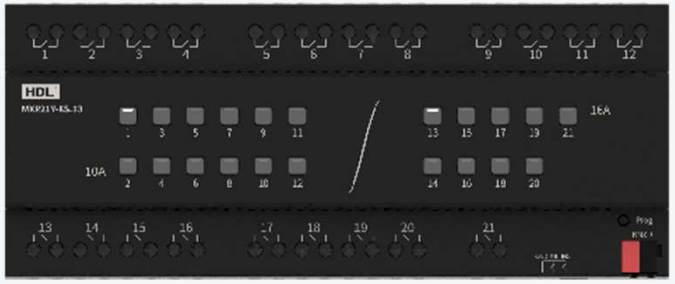
- HDL KNX System Integration
- One-to-One Control
- Bluetooth Upgrades
- Flexible Installation
- Wired Controller Coexistence*



One device replaces multiple conventional actuators

21CH Multi-Function Actuator · MXR21Y-KS.13 — high-density control in a single module.

- **21 high-density outputs — 9×16A + 12×10A in one module.**
- **Flexible ETS allocation — 21 circuits dynamically assigned to lighting, blinds, HVAC, floor heating and ventilation.**
- **KNX Secure certified for trusted, tamper-resistant control.**
- **Less cabinet space, lower system BOM and easier engineering.**



3× fewer devices

Single ETS project

Low BOM

CHAPTER 03

03

User Interface Portfolio

Xelent and Inkslab panels, and an open SIP door-entry platform.

IN THIS CHAPTER

01 Xelent: form and material

02 Xelent: 17 models, one range

03 Xelent sales toolkit

04 Inkslab Series, KNX panels

05 SIP intercom with ONVIF/RTSP

06 One platform for intercom and control


HDL®
REFINED FORM.
MULTIPLE CHOICE.
Xelent Series Panel
Born for Excellence
A'DESIGN AWARD & COMPETITION
WINNER 2026
SILVER

03 · User Interface Portfolio

Two materials, five colours







Material：Plastic

Color：Ivory White 、Ash Gray







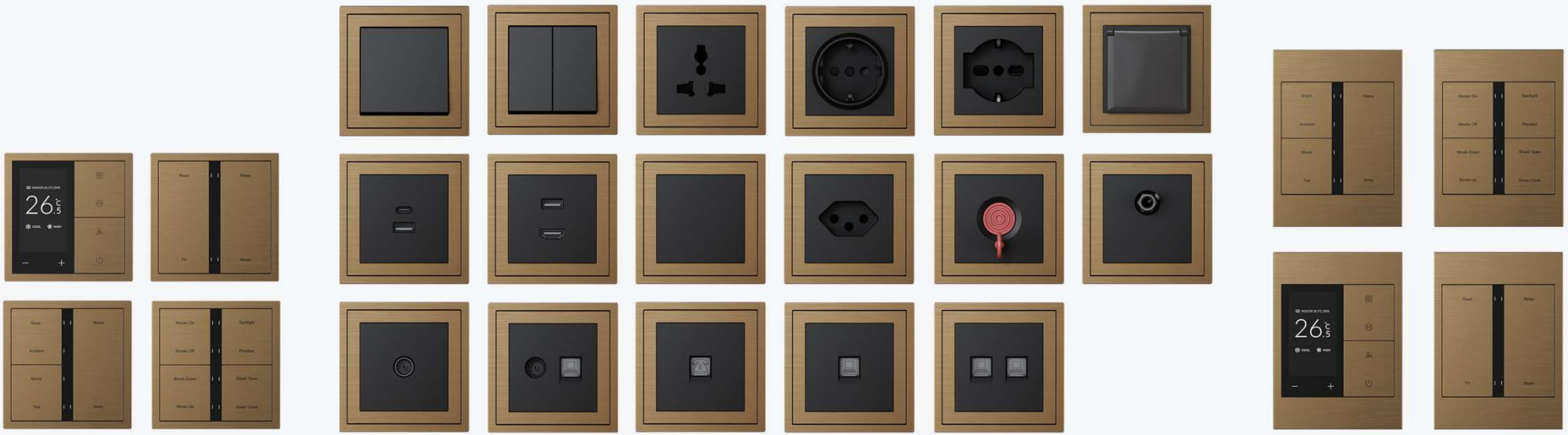


Material：Brushed Aluminum

Color：Black、Antique Bronze、Brass

03 · User Interface Portfolio

Xelent: 17 models, one range



Smart Panel：

EU&US Standard:

4 Button、6 Button、8 Button、Thermostat

2Button/3Button/5Button/7Button

Non-smart Panel：

EU&US Standard

17 models in total

Inkslab KNX


Night
Relax
Work
Curtain
Reading
ALL OFF
26℃
Curtain Close
Curtain Open
ALL ON/OFF
Bathroom
Music
Sleeping
Brightness
Heating

03 · User Interface Portfolio

Inkslab Series — KNX smart panels

Button and climate panels that bring elegant, tactile control to every room.













- **1 / 2 / 4 / 6-gang button panels for switching, dimming, colour temperature, RGB, curtains and scenes.**
- **Climate knob panel for HVAC, floor heating and fresh air, with built-in temperature & humidity sensing.**
- **KNX Secure and RGB button indicator with customisable colour and brightness.**
- **Plastic and aluminium finishes, 4 colourways, horizontal or vertical installation.**

Panel finishes: pearl white · charcoal grey · quiet grey · plum purple.

03 · User Interface Portfolio

Open at the door, open at the camera

HDL Source Series SIP intercom — freedom at the door station and at the camera.

Standard SIP

Door stations

Compatible with supported standard SIP door stations — no vendor lock-in.

Standard ONVIF / RTSP

Cameras, local

Add third-party IP cameras to the screen: ONVIF auto-discovery, or RTSP by address.

One interface

Screen

Answer, talk, unlock and control the space — all on one screen.

Cloud, anywhere

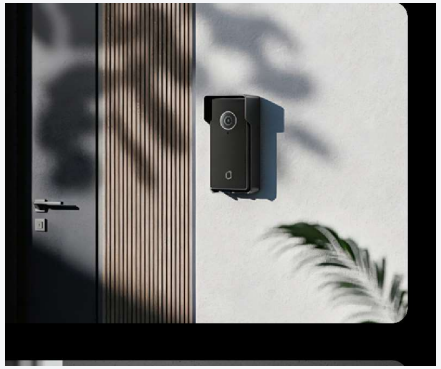
Remote

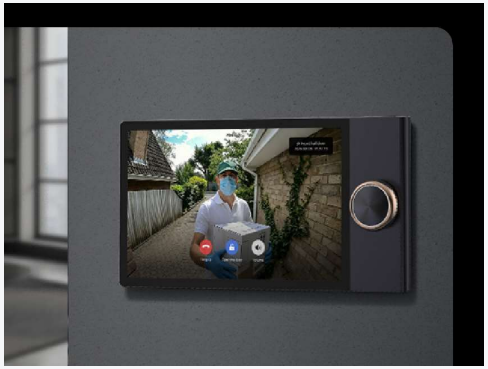
Answer video calls and unlock remotely in HDL Home on your phone.

SIP handles door stations. ONVIF / RTSP handles cameras. The two work independently.

Compatibility subject to model verification

Supports scalable residential deployments





One screen, two jobs

The Source screen shows the door-station caller and any ONVIF / RTSP camera you add — no second monitor, no second app, no separate recorder.

03 · User Interface Portfolio

One platform for intercom and smart control

Open interoperability and a smooth upgrade path for existing Source installations.

buspro

HDL’ s proven wired bus — a familiar, robust ecosystem.

KNX

Project-standard interoperability alongside the KNX portfolio.

Zigbee

Wireless flexibility for retrofits and open devices.

Easy upgrade path

- Already have Source 7 or Source 10. Upgrade to the Source Series SIP solution with an upgrade package.
- **Note: Source Mini is not supported.**

Works with third-party SIP intercom systems

HIKVISION · dahua TECHNOLOGY · Akuvox Open A Smart World · DNAKE · 2N · MORE...

Thank you