



CASE STUDY OF
Morpheus Macau



Project Brief

Morpheus is the new flagship hotel of the City of Dreams in Macau, an "integrated entertainment" resort owned by developers Melco Resorts and Entertainment.

To enhance the guest experience and improve management efficiency, the company management level decides to fully automate all the guest rooms and public areas of Morpheus with HDL hospitality solutions.

- Hotel name: **Morpheus Macau**
- Location: **Macau China**
- HDL Solutions: **HDL Buspro intelligent lighting, HVAC and shading solutions for all the guest rooms and public areas**
- Year of Completion: **2018**
- Contractor: **HDL Dealer in Hong Kong, LivingTech (Asia) Ltd**



Morpheus Macau

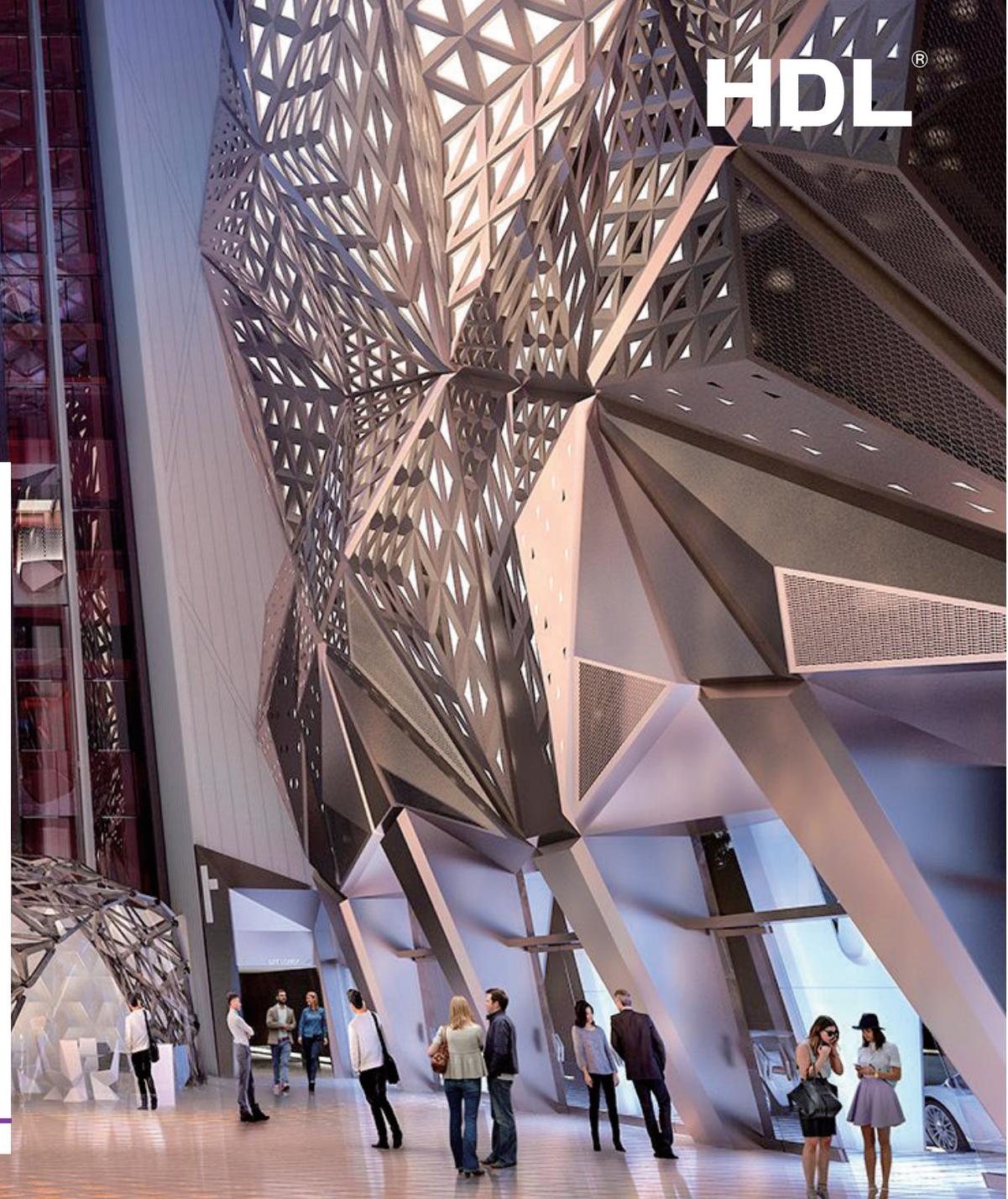
As part of the Phase 3 development of City of Dreams, Morpheus is named after the God of Dreams, signifying the beginning of a new wave of opulent hospitality experience in Macau.

Designed by the late legendary architect, “Queen of the Curve” Zaha Hadid, whose major works include the London Aquatics Centre in UK, the BMW Central Building in Germany, and the Dancing Towers in Dubai, etc, the 40–storey new hotel owns a dramatic exoskeleton exterior, offering both a distinctive identity for the tower and an opportunity to optimize the spaces within.

The \$1–billion integrated resort boasts 772 guest rooms, suites and villas, and also a variety of meeting and event facilities, restaurants, spas and rooftop sky pool 130 meters above ground. With the marvelous building design and world–class dining and recreation facilities, Morpheus is no doubt a stunning travel destination for any visitors.



“Queen of the Curve”
Zaha Hadid



Guest Room

Guest room is always the focus of any hotel in which the visitors will spend most of their time. To provide a 5-star home for the visitors is of course the top priority of a hotel.

HDL engineers installed the RCU and Input/Output modules to realize the intelligent control of lighting, curtain, air conditioning and TV in the guest rooms. When a visitor comes into the room the Welcome Mode will be activated due to the customized pre-set modes. The lights then turn on, the curtains open automatically, and the air conditioner stays at a comfortable temperature.

What's more, each guest room has been equipped with HDL Enviro panels. The smooth uninterrupted glass exterior and an aluminum enclosure of the panels blend perfectly with the elegant indoor decoration.

The Enviro panel will wake up as long as a visitor approaches due to the built-in proximity sensor. Thanks to Enviro panel, a visitor can control over the room devices effortlessly by simply pressing a button, offering the visitors a truly memorable and comfortable stay in the hotel.

The Results

HDL customized solutions were fully installed into all the guest rooms and public areas, targeting at control over the lighting, shading and HVAC of the whole resort.



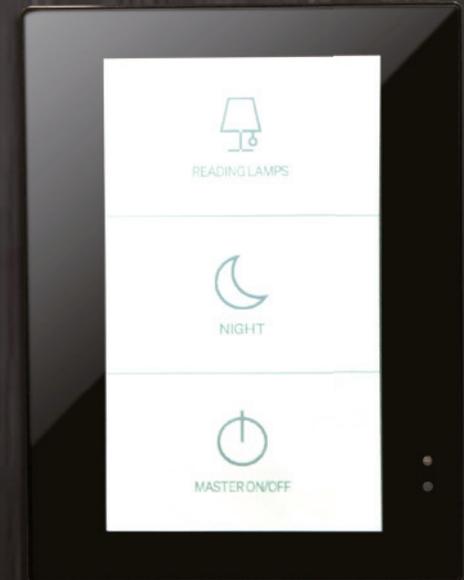
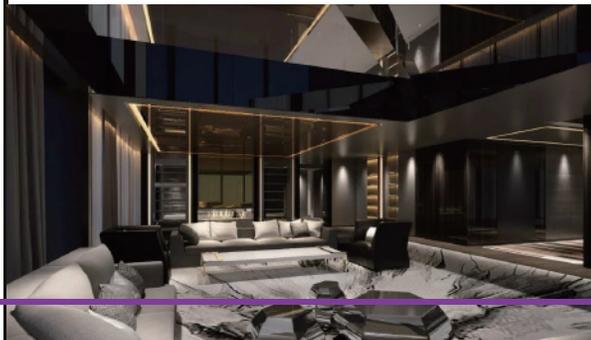
Public Areas

Besides the guest room, the hotel management also attaches great importance to the smart control in the spacious public areas.

The hotel staff can manage the lighting in different areas by pressing one button of the wall-mounted intelligent panels, or remote control from an APP on the phones or iPads, instead of checking floor by floor.

They can also choose different control modes per their exact requirements. Take the hotel lobby as an example. If it's a cold raining day, the bright mode is available to increase the lobby lighting intensity automatically to ensure the appropriate lighting environment. At the same time, the air conditioner will adjust to a comfortable room temperature.

It's generally believed that the hotel lobby is the image of a hotel that leaves the first impression on its visitors. HDL hospitality solutions ensure the hotel lobby is always in a refined atmosphere to welcome all visitors



Products Installed

The following Buspro products have been applied to Morpheus project:

- Intelligent control panels
- Dimmers
- Relays
- Mosfet Power Amplifiers
- Curtain Control Modules
- Triac Constant Current Modules
- RCU Mix Control Actuators
- 512CH DMX Scene Controllers
- Air Conditioning Control Modules
- RS232/RS485 Gateways
- HDL Buspro System Gateways
- Hotel Input/Output Modules
- Power supply Modules
- Logic Control Modules

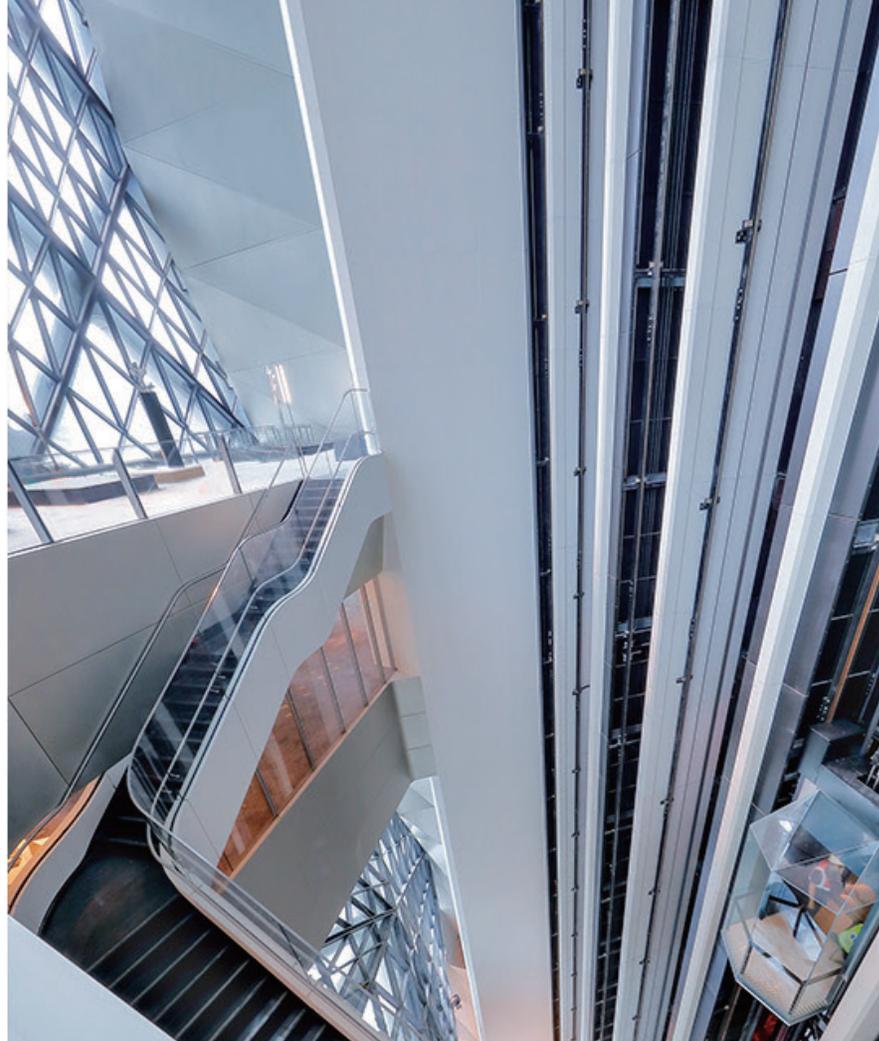


buspro

Buspro is an intelligent control system runs on HDL's proprietary protocol, which is able to connect with commonly seen electrical devices for lighting, shading, air conditioning, floor heating, background music, safety, security, etc. It allows users to control the devices on wall panels, smart phones or tablets.

With Buspro, integrated smart solutions can be designed for residential, commercial and hospitality projects.





Summary

As all the installation work completed and were accepted by Morpheus successfully, it officially started business on Friday, June 15, 2018. Thanks to HDL, the hotel guests can enjoy the unparalleled comfort and convenience; also, the hotel staff can improve their work efficiency dramatically.

