

## Hospitality Automation

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HDL hospitality automation solutions enable hotel operators to not only improve guest comfort, but a hotel's energy efficiency.

Able to be integrated into every area of a hotel, HDL brings guests a powerful control platform, and operators a holistic management solution.

Fully compatible with leading PMS systems, HDL simplifies the building management process whilst simultaneously improving the guest experience.

## The Future Of Hotel Management

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**“ENHANCE THE  
GUEST  
EXPERIENCE,  
WITH A  
MORE  
EFFICIENT  
ENVIRONMENT”**

HDL hospitality solutions empower hotel owners to optimize their building, and provide guests with truly memorable experiences.

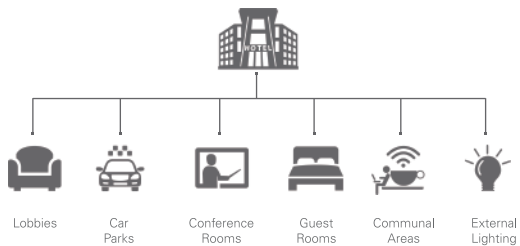
With HDL hospitality automation time consuming tasks become trivial, and labor costs are reduced.

# What Is Hospitality Automation?

Hospitality automation makes the day to day running of a hotel simple, efficient, and effective.

HDL brings hotel operators a powerful control platform which can increase energy efficiency, enable services to be delivered faster, improve a building's security, and increase guest comfort and convenience.

## AUTOMATE YOUR:

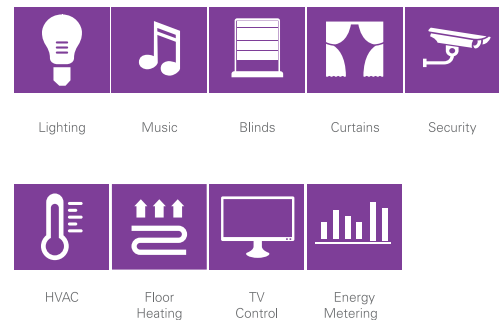


# Holistic

From reception to guestrooms, and hallways to back of house, a HDL hospitality automation solution can provide users with universal control over an entire building.

Able to be installed during construction, remodeling, or retrofitting hotel managers can use the HDL system to significantly improve the guest experience.

This can be done through customizable guest room welcome scenes which activate HVAC, lights, appliances, and background audio as soon as the door is opened, or intuitive total room control via a wall panel and the guests own iOS/Android device.



## Secure

Make sure that guests have a safe and secure stay by integrating HDL Hospitality solutions with your existing security system.

With improved sensor coverage and access control, integration is capable of dramatically increasing guest room security.

From an unsecured door warning, to panic buttons and glass break detectors, HDL offers the most complete guest protection possible.

## Compatible

One of the best things about a HDL hospitality solution is that it's fully compatible with a hotel's existing PMS system.

Using a combination of the HDL Intelligent hotel management software, and the existing PMS system, hotel procedures can be automated, real time reports generated, and on demand monitoring and control achieved.

## OUR AUTOMATION SOLUTIONS HAVE BEEN SUCCESSFULLY INTEGRATED WITH:



**micros** | **FIDELIO**



## Customizable

We know that every automation installation is different, that's why we offer a full customization service to every HDL customer.

If a panel needs to be a specific shade of red, or a doorbell needs to be engraved, a HDL hospitality solution is as flexible as you need it to be.

### Customized Iconography



## Controllable

A HDL automation system is designed to work behind the scenes, creating the perfect atmosphere via automated sequences and adaptive environmental management.

Sometimes a human touch is needed though, that's why we've created a unique range of hospitality user interfaces.





## Proven

Installing an automation solution into a building is a big step.

At HDL we know this, having worked with countless industry leaders around the world.

With our unique innovations a hotel can increase productivity, profitability, efficiency and guest satisfaction.

## SOME OF OUR PAST PARTNERS WHO HAVE CHOSEN THE HDL HOTEL ADVANTAGE INCLUDE:

## Hands On

For those who prefer a traditional interface, with the push of a button, a flick of a switch, or a swipe of a screen, every element in a guest's room can be controlled effortlessly.

If a panel is to be used in a public area, a password can be set to prevent tampering.



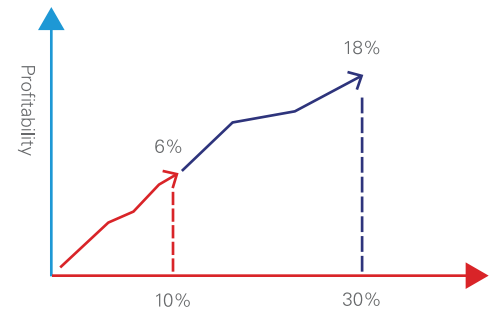


## Profitability

"If an average hotel reduces its energy consumption by 10%, profit margins will be raised by 6%."

-US.EPA

Thanks to light harvesting, temperature balancing, intelligent lighting, occupancy detection, and smart appliance control, HDL automation solutions make energy reductions of around 30% possible.



Before Automation



■ Maintenance Cost  
■ Energy Cost

After Automation



■ Maintenance Cost  
■ Energy Cost  
■ Energy Savings

— Standard Energy Savings And Profitability  
— Projected HDL Energy Savings And Profitability

## Case Studies

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# 06

HDL automation solutions have been installed into thousands of buildings across the globe.

From London to Lisbon, and Berlin to Beijing, a completed HDL project will always be close by.

To show what HDL automation solutions are capable of, on the following pages we've collected some of our latest residential, commercial, and hospitality installations.



## Residential

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Homes come in a variety of styles and sizes, to suit the individuality of their owners.

HDL has completed projects in flats, country homes, mansions, and even palaces.

Our professional installers can create an automation system which is tailored to an owner's exact needs, enabling them to focus on what's important in life.

## Mexican Villa

Located in Hidalgo, Mexico, this stunning five bedroom villa epitomizes style, avant-garde design, and modern technology.

Empowered by the HDL Buspro system the villa has fully automated lighting, HVAC, and shading creating an environment which automatically adapts itself to the owner's needs.

Able to operate autonomously, or be controlled via DLP panels and iOS/Android devices, the owner is provided with a uniquely flexible control platform.



Lighting HVAC Shading



DLP Panels iOS/Android

## Norwegian Smart House

This recently renovated Norwegian family home in Oslo is fully controlled by the Buspro system, enabling it to be ultra-efficient yet retain a warm, friendly, welcoming environment.

Each room in the house utilizes a HDL keypad or panel to provide individual room control over heating, lighting, ventilation, shading, and background audio. Central control over the entire house is provided via the owners' smart phones, and two HDL panels mounted in the master bedroom and kitchen.

Integrated into the HDL system were glass break sensors, window sensors, and door sensors.

This enables the security status of the home to be monitored from anywhere in the world, via an Android or iOS device.



Lighting HVAC Shading Background Audio Underfloor Heating Ventilation



HDL Panels



iOS/Android Device





## Commercial



## Opal Trade Center Mall

Any building can be automated, but it's in the commercial sector where the advantages of a smart building truly stand out.

Our commercial customers have one requirement first and foremost, energy savings.

With a full HDL automation solution energy bills can be reduced by up to 30%, making it little wonder that HDL commercial automation solutions are so popular.

With a projected daily footfall of thousands, the operators of the Iranian Opal Trade Center Mall realized that to deliver the best guest experience possible their entire lighting and background audio network needed to be automated.

Due to the modular nature of the HDL Buspro system, and its compatibility with building management systems, HDL was selected to be the sole automation provider to the project.

With the installed Buspro system, the entirety of the mall's lighting and audio channels can now be centrally controlled via the building manager's work station. This provides an efficient and effective control capability, whilst minimizing operational cost and maintenance.



Lighting



Background  
Audio





## Boryspil International Airport

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Airports demand high quality systems which are ultra-reliable, user-friendly, and efficient.

With time proven HDL KNX solutions available, the Boryspil International Airport made the decision to automate its entire lighting network.

Covering thousands of channels, and hundreds of areas, the airport operators selected HDL to maximize their lighting efficiency.

Through a combination of light sensors and presence detection sensors, energy expended on unnecessary lighting targets has now been completely eliminated.



Lighting



## Hospitality

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HDL hospitality solutions can be installed into any manner of hotel, restaurant, or bar.

Through utilizing HDL automation solutions, those in the service industry can simultaneously increase guest comfort, while streamlining and simplifying building management.

With full PMS integration possible, HDL automation solutions can be seamlessly incorporated into a hotel providing increased operational efficiency and reduced staff workload.

## Crown Towers

Located in the Philippines, the Crown Towers is a luxury hotel featuring 541 guest rooms, a bar, a restaurant and a gym.

To enhance guest comfort and convenience the Crown Towers management team requested that HDL fully automate all of the hotel's guest rooms and public areas.

Guestrooms now have automated shading, lighting, and HVAC as well as the ability to be controlled via a bedside mounted DLP panel or the guest's iOS/Android device.

Public areas in the hotel also benefit from shading, lighting, and HVAC but have additional background audio control to provide a tailored ambiance.



Lighting HVAC Shading Background Audio



DLP Panels iOS/Android Device



Lighting HVAC Background Audio



DLP Panels iOS Device

## Savoy Grill

Renowned throughout the world the Savoy is the epitome of luxury, elegance, and attention to detail.

To ensure that diners in the hotel's Grill Room are provided with an unparalleled dining experience, the hotel operators requested that HDL automate the restaurant's lighting, HVAC, and background audio.

As the hotel specified that the Grill Room was to be separated into three distinct zones, the HDL team were able to utilize the lighting and audio to enhance these three distinct areas.

Controlled through a combination of three DLP panels and an iOS app, the restaurant now has three unique environments negating the need for traditional room partitions.



# Integration Partners

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# 07

At HDL we realize that buildings require automation solutions which are as individual as their owners.

That's why we've partnered with some of the world's leading appliance and electronic manufacturers, enabling a truly inclusive automation experience to be created.

From air conditioners to audio systems, and hospitality management systems to third party apps, the flexibility of the HDL systems ensures your smart building can be uniquely customized.



## Air-Conditioning

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## 01 CoolAutomation

Connect your HDL automation system to the CoolAutomation CoolMaster module to create a communication bridge which seamlessly joins advanced VRF / Split Air Conditioning Systems with home automation / Building Management Systems.

Able to support up to 64 indoor AC units, and be directly controlled via the HDL DLP AC page, total HVAC control has never been so simple.

## 02 Toshiba

Enable communication between the HDL system and the Toshiba Carrier system, so AC solutions can be controlled from a centralized location or multiple locations.

Effortlessly controlled via a HDL DLP panel, up to 128 Toshiba indoor AC units can be turned on/off, have temperatures set, fan speed set, and operating modes changed.

## 03 Daikin

Integrate your Daikin air conditioners into the HDL system, to enable up to 60 indoor AC units to be controlled directly from your HDL DLP panel.

Capable of adjusting the fan speed, temperature, and mode the HDL/Daikin integration process is powerful, effective, and hassle free.

## 04 Hitachi

Dual integration possibilities exist for Hitachi AC systems, as the HDL systems are compatible with both the Hitachi MICB200, and the Hitachi Gateway.

Through the integration process an AC system's fan speed, temperature, and mode can be managed via one or more HDL DLP panels.





01

## Casatunes

Designed specifically to work with the HDL systems, CasaTunes music servers feature a built in HDL driver.

This enables HDL panels and sensors to trigger up to 99 voice commands, control playlists, or activate the radio. Using the HDL DLP panel and the EnviroPanel, a user is able to further extend their control over their CasaTunes system through browsing and playing their favorite playlists, viewing song metadata, and the ability to play, skip, pause and repeat songs.

02

## Sonos

Let your HDL system connect to the Sonos Gateway, and your whole home Sonos music system can be fully controlled through either the HDL DLP panel or the HDL EnviroPanel.

Automated room scenes can also be set to work in conjunction with the Sonos system, so that a seamlessly immersive automation experience is created.





## Software

### 01 iRidium

With native support for HDL systems built in, the iRidium app is able to control the entirety of a smart home from any iOS, Android, or windows device.

In addition to control, iRidium also brings installers the ability to commission the HDL system without any programming.

Through simply scanning the local net, the app it's self can find the available automation solutions and integrate them into the iRidium control platform.

### 02 DemoPad

Created specifically to control HDL systems, the HDL Control app by DemoPad enables the set up and control of a HDL automation system in just a few steps.

With the app HDL integrators can now rapidly commission and test a system, without the need for a computer or complex training.

With the app supporting online configuration capabilities, integrators can remotely search for gateway devices, and assign them to different areas instantly.



### 03 THRONE

With a revolutionary 3D control interface, the THRONE iOS app has been developed to make control over a building's automated elements genuinely intuitive.

Fully compatible with the HDL systems, the THRONE platform also includes the T-Studio configurator which enables integrators to develop a THRONE interface for their project independently.

### 04 RTI

Now fully compatible with HDL's systems, RTI can empower building owners by unifying control of electronics, whole house audio, lighting, security, and HVAC into one simple interface.

This interface can take the form of the RTI mobile app, or one of the many RTI control panels giving users a control solution tailored to their automation needs and technical aptitude.

### 05 Energy Cloud

Let EnergyCloud unify your HDL automation solutions and third party equipment, so that you can monitor, control, and generate in-depth energy usage reports effortlessly.

From local hardware to a cloud interface, EnergyCloud can provide greater flexibility than ever before when integrating new or existing physical installations.

This enables productivity to be increased, and provides an extra level of security by reacting to both normal and abnormal events.



## Hospitality PMS



### 01 Opera

Renowned across the hospitality industry, the OPERA Property Management System is designed to help hoteliers operate at a greater productivity and profitability level.

When coupled with the HDL Opera Interface software, HDL automation solutions are able to improve the efficiency of the OPERA system by streamlining check-in, check-out, and the issuance of room key cards.

Through unifying the automation and PMS systems, labor efficiency is increased and system upgrades are made easier.



## 02 Hoteza

Developed as a powerful tool for guests and hotel operators alike, Hoteza is a mobile hotel application designed to enhance efficient communication.

Able to be downloaded from Google Play and the App Store in a matter of seconds, Hoteza allows guests to make use of a hotel's services easily without having to call or ask reception.

When combined with the HDL RCU module, the Hoteza app is able to control every automated element in a guest's room.

Combining up-to-date information with an impressive visual display, Hoteza is the ultimate application for guest room management.

## 03 Cenium

Created from an integrated system of modules, Cenium forms a total information platform for hospitality providers.

With Cenium Information can flow seamlessly from one module to the next, allowing simultaneous access by all users through a common visual work environment.

When Cenium is connected to the HDL system via the HDL Cenium interface software, hotel operators can increase the efficiency of the check-in, check-out, and guest room notifications.

This integrated and optimized approach to information and resource management, reduces staff work load while increasing guest satisfaction.