



HDL QA

buspro
WIRELESS

www.hdl.qa

WIRELESS

Automation Solutions

DIRECTORY

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Wireless Automation Solutions

DIRECTORY



Company PROFILE

HDL provides automation solutions ranging from individual modules, to complete building automation systems.

Since 1985 we have been at the forefront of building automation, and we continue to develop new systems and patents that ensure we stay at automations cutting edge.

This innovation is driven by our desire to create solutions that enable users to optimise their energy efficiency, while ensuring comfort, convenience, and security.

We realise that economic and environmental balance is essential, that's why a HDL automation solution is more than a product, it's an investment in the future.

HDL QAbuspro
WIRELESS



What is home **AUTOMATION?**

Home automation systems are designed to make a home owners life more comfortable, convenient, and secure.

With a range of solutions available from HDL, a home can be tailored to the exact specifications of the owner. From increased energy efficiency, to maximized convenience, owners can build a system to meet their exact needs.

The system they create will never sleep, or forget, and will always operate at peak efficiency.

Automation Enables A House To Become A Home, While Ensuring That The Occupants Are Provided With An Optimized And Customized Environment.

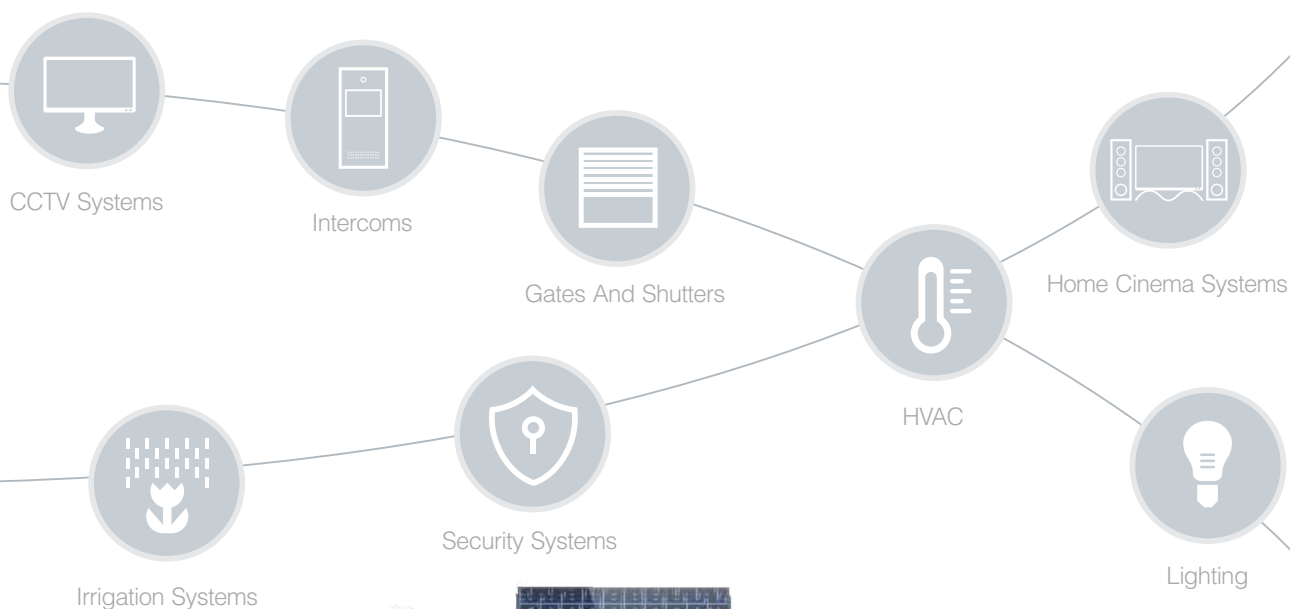
What is **BUSPRO WIRELESS ?**

An automation evolution

Buspro wireless has been created so that anyone can take complete control over their home simply and effectively.

The Buspro wireless range of products provides users with an easy to manage system, with unparalleled flexibility and adaptability.

Once the wireless modules have been installed, a user can configure their entire automation system via the HDL app. With the configuration complete, users can take complete control of their lighting, background music, curtains, HVAC, and a host of other devices and systems.



More than just **COMMON SENSE**

With Buspro wireless users have a system that uses a combination of sensors and logic states, to take intelligent action.

As a basic example a user can create a scene which will open the curtains and turn off all exterior lighting when a light sensor detects the sunrise.

Countless scenes can be created by the owner, enabling a building to truly manage itself.



Why Buspro WIRELESS?

**1**

FLEXIBLE

Flexibility is an essential element of any HDL system, that's why we've worked hard to make sure all of our wireless solutions can be fully integrated into an existing wired HDL Buspro system. This gives users the best of both worlds, allowing the systems to work in conjunction with each other.

2

ADAPTABLE

In an average household, an installation can be hampered by WiFi and load bearing walls. Because the wired and wireless Buspro systems can work together, a hybrid system can be created that is able to overcome any and all barriers.

3

EFFICIENT

At HDL we strive to create systems in which individual elements work in conjunction to maximize energy efficiency. From light harvesting, to dynamic HVAC distribution, electronic devices and appliances work in harmony to save energy while enhancing comfort, convenience, and security.

SIMPLE

4

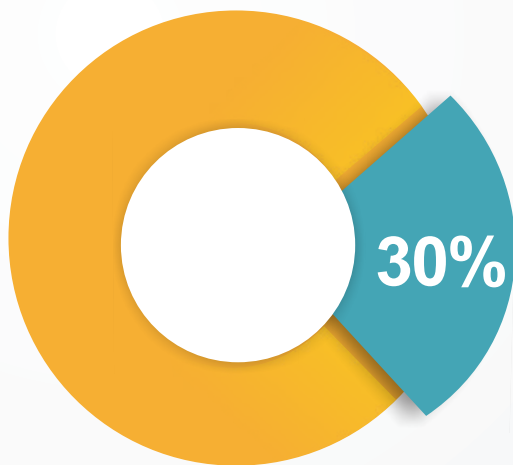
From unpacking a module, to configuring the complete solution, every element of the Buspro wireless system has been designed to be simple and straight forward. From a wall panel or an iOS/ Android device, controlling the entirety of a house is child's play.

RELIABLE

5

Every element in the Buspro wireless network has been designed to be inherently reliable. From industry leading data encryption, to module interoperability, a Buspro wireless network is guaranteed to work even when a module is damaged or removed.





An automated home can see annual energy savings of at least 30%

The rise of **AUTOMATION**

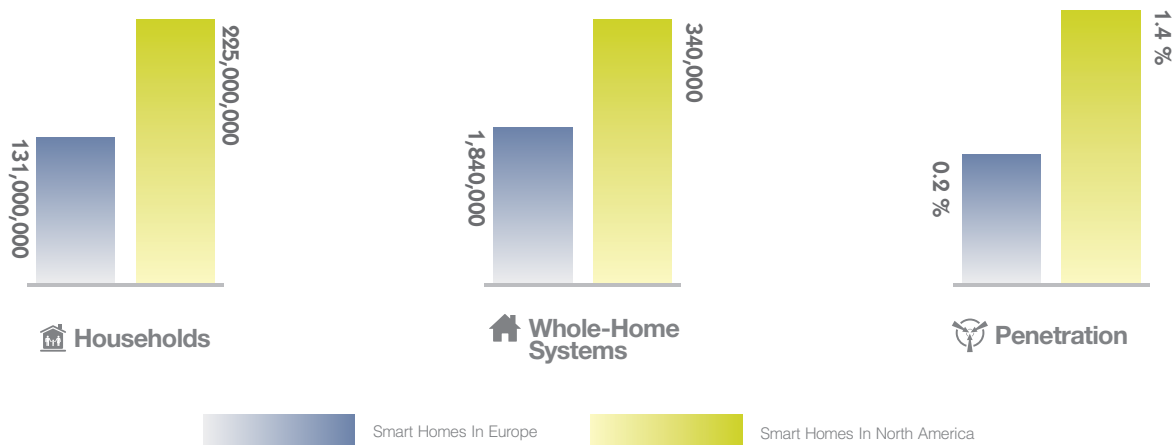
Automation is a constantly evolving technology that is increasing in popularity every year. This increase is driven by two main factors, increased energy efficiency, and increased comfort/convenience.



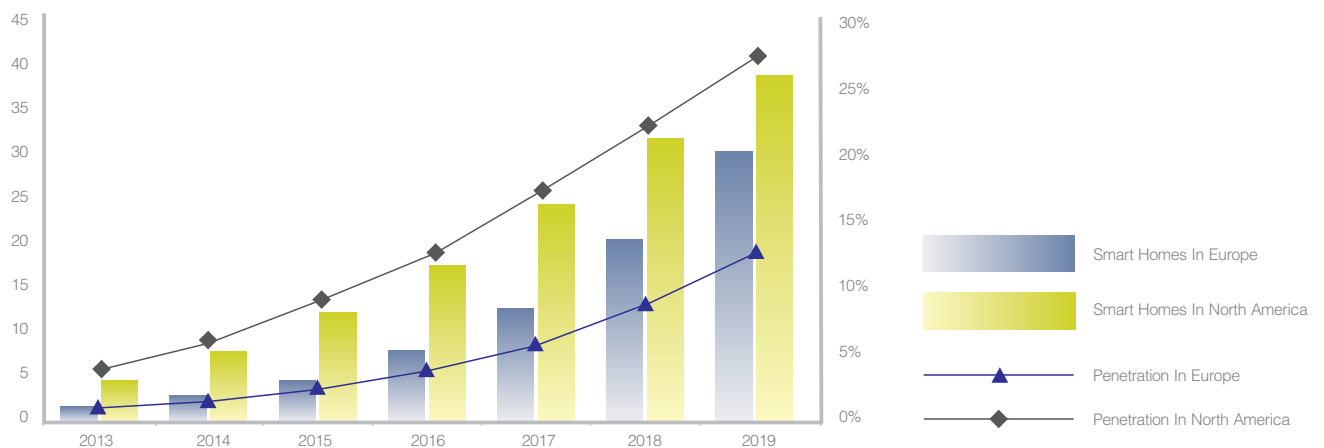
Market OVERVIEW

Although the popularity of home automation is increasing constantly, the market is still in its developmental stages. Currently the most developed market for home based automation systems is North America at 1.4 percent, followed by Europe at 0.2 percent. This figure includes multifunction and whole-home systems that consist of two or more smart home systems that can be controlled from a smartphone, tablet or PC.

Current Market Penetration In Europe And North America

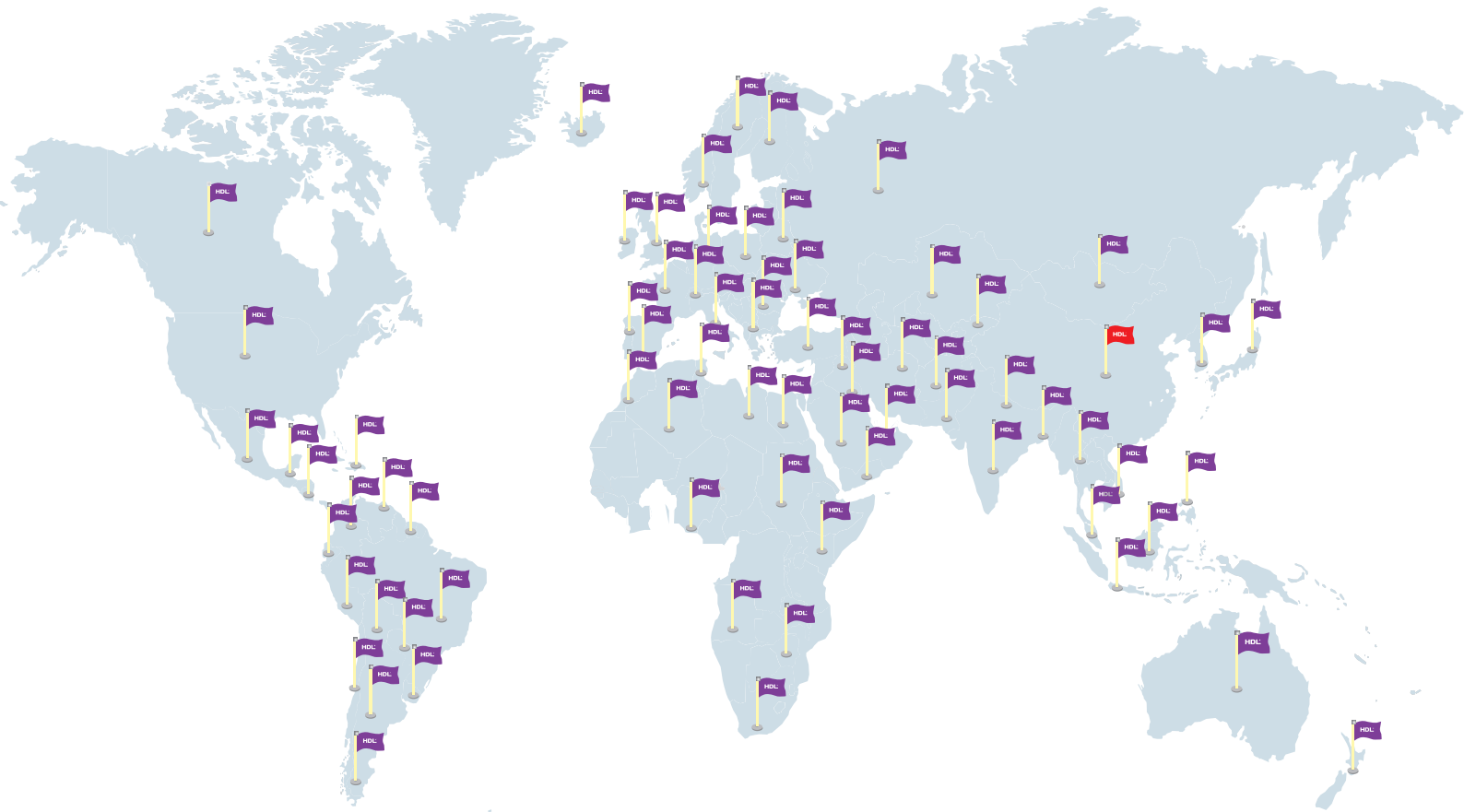


Projected Smart Home Penetration



Source: Berg Insight

Current DISTRIBUTORS



OPPORTUNITY

As automation becomes increasingly more popular, what was once a small industry dealing only with the elite has become mainstream.

However this demand for automation solutions has created a vacuum, which in turn has created enormous opportunities.

Since HDL began producing automation solutions, we have experienced year on year growth, and have expanded into over 80 countries.

As a growing brand we are looking for partners to join us on the journey to provide automation solutions to the world.

Who will use BUSPRO WIRELESS?

Buspro wireless has been designed to be used by both professional installers, and home owners who want to fit their own system.

Thanks to the systems comprehensive customization options complex scenes and sequences can be created, and 3rd party devices and appliances used.



With the HDL Buspro wireless system it's as easy as 1,2,3.

- Install your selected modules
- Install the HDL App
- Run the App!

Once the app has finished configuring the modules, its user friendly interface will set up your automation solution enabling appliances to be controlled, scenes built, and events scheduled.

Buspro wireless makes professional grade automation accessible to everyone.

Why are we THE BEST?

The Buspro wireless system has been created to provide users with the reliability of a wired system, but the flexibility of a wireless system.

By taking the best elements from both systems, we have created an easy to install, configure, and control solution which is suitable for practically any installation.



INNOVATIVE

Our wireless product range is constantly expanding, to take advantage of the very latest technological advancements.

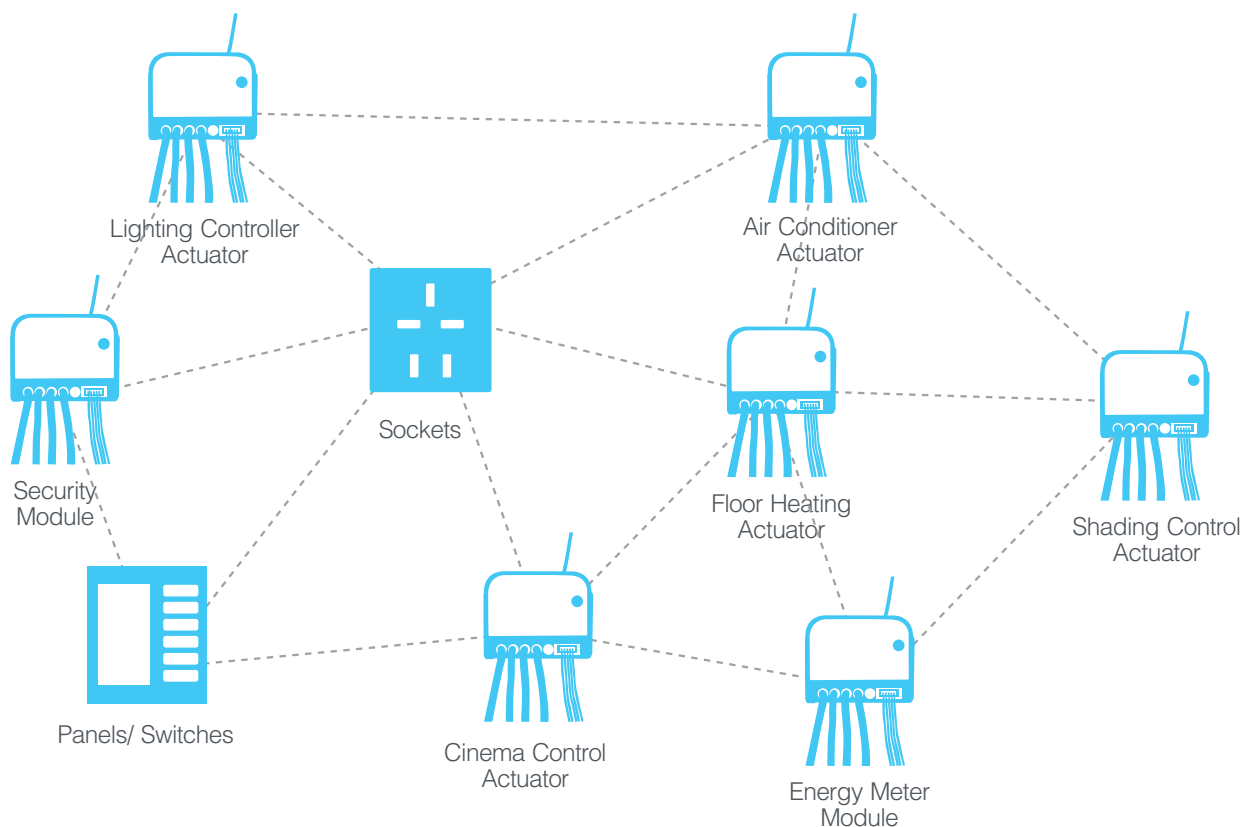
Two of our latest developments are mesh network topology, and the elimination of the neutral connection.

The mesh NETWORK

A mesh network is simply another way of saying that all the modules and devices in the system can 'talk' to each other. This means that even if a module is removed or breaks down, the system can continue to function.

An added benefit of this method is that the signal reliability is increased, and signal degradation is eliminated. Even if thousands of Buspro wireless modules are used across vast distances, because each module acts as a repeater, the signal is guaranteed to get through.

If the network experiences outside interference from rouge transmissions, simply adding a single module will ensure network stability and signal integrity.



No neutral **CONNECTION**

Often homes which were built before the 1980's, were wired without a neutral connection.

If a standard automation solution was to be installed into a building with no neutral connection, every room in which an automation module is present would need to be rewired.

The HDL Buspro wireless system was specifically developed to make rewiring a thing of the past.

With Buspro wireless, installation is simple and straight forward. In the majority of cases it is no more difficult than installing a standard light switch or plug socket.

Buspro wireless democratizes automation, making it affordable and available to all.

Global NETWORK

HDL has a truly global presence which is constantly increasing. This is enabled via our policy of emerging market penetration, and our determination to provide the global community with the very best in automation solutions.

Currently HDL has over 200 core distributors, and 1300 home system integrators working to bring automation to a wider audience. In addition to this we also have training centers spread across the globe which invest in human potential, guarantying that our products are serviced and installed by those who meet the exacting HDL standards.

At HDL we regard our global network as a family which enables us to bring not only energy savings to households, but reduce the environmental impact of human habitation.



**Whoever you are,
Wherever you are,
And whatever building you use,
HDL has an automation Solution for you.**



HDL[®]

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