



**VBA** micromaster  
intelligent room automation solution

**control optimise automate**

# Introduction

How do you reduce your energy and labour costs without compromising the hotel's brand and guest service?

The solution is Micromaster

Quite simply, Micromaster is an intelligent, online room automation and building management solution, custom designed for the hotel industry.

Every room is micro-managed from a central control system. Room climate and environment settings are precisely controlled within hotel-defined energy consumption models, which can be easily modified on a global or individual room basis as required. Further, every room can be sub-controlled by the guest within the hotel's pre-set limits. The result! - Significant savings in energy and labour costs and at the same time increased productivity and security. Micromaster is capable of managing almost any energy load, from climate control, through to security and fire alarm systems.

*"Micromaster by VDA delivers the in-room controls that allow hoteliers to control and reduce their energy consumption and carbon footprint while continuing to deliver an enhanced guest experience. Micromaster's intelligent design allows it to easily link and work in concert with existing environmental management systems and controls throughout the property, delivering greater efficiencies and savings."*

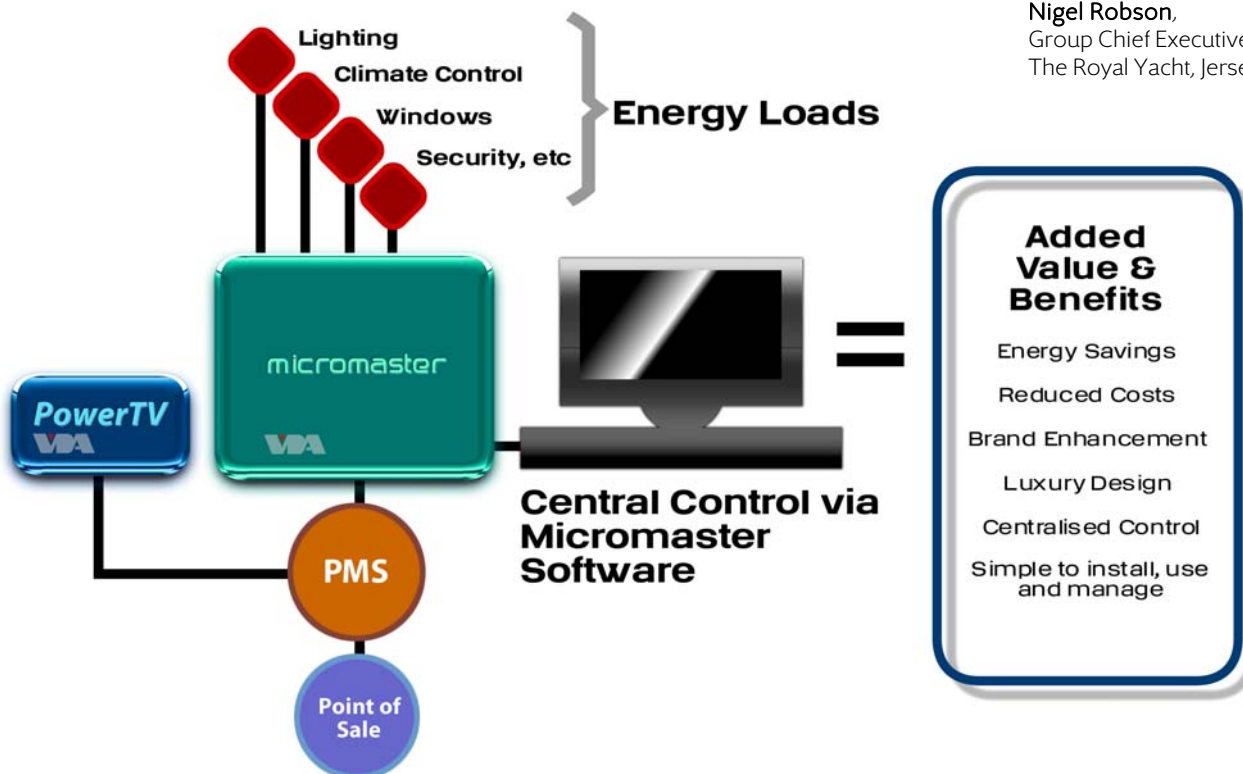
Arthur Little  
Environment Auditor and Consultant to the Hospitality Industry

The technical and cost-saving capability of Micromaster makes it a must-have for all new and modern hotels.

The stylish interaction of Micromaster enhances the experience ensuring the loyal guest will return to the hotel time after time.

*"One of the things we particularly liked about Micromaster is that it is very easy to use. Everything is centrally managed via one computer and our front-of-house staff have had no problems operating it thanks to the simple touch-screen function. But we also really liked the VDA team. Not only did they offer us great design flexibility but they gave us confidence that they could deliver what they were promising. Since deploying Micromaster we have seen a huge reduction in our energy use and therefore in savings on our energy bills."*

Nigel Robson,  
Group Chief Executive of  
The Royal Yacht, Jersey



*“Exactly how much you save will depend on how much energy you use now. But you will be surprised at the difference a few simple changes can make. For example, just turning the heating down by one degree can cut 8% off your annual heating bill.”*

### The Carbon Trust

# Features

## Optimise Energy

**Micromaster constantly monitors all controllers, peripherals and alarms. By only using heating and lighting when necessary, it makes the hotel more energy efficient, reducing carbon footprint and costs.**

The system can be configured to reduce the room temperature whilst the guest sleeps. Micromaster reduces the temperature by 2% (which is unnoticed by the guest) on the current temperature the guest has set. At a preset time in the morning the system returns to the guest setting. This is individual to each room and unlike competing systems it is not a “global” setting whereby all rooms are set identically irrespective of the guest comfort setting.

Micromaster can be intelligently configured to accommodate the position of the sun, and will deliver more heat to the shaded side of the hotel, whilst reducing the heat supply to the warmer side of the building and vice versa, dependant on the time of day.

## Security

The ‘key card’, issued to the guest via reception, has built in secure technology that is unique to each individual card. This card acts as both the door key and also the energy control. Additionally, the card can be used as an internal credit card for making purchases at the bar, restaurant, hotel gift shop etc, and purchases will be automatically charged to the room. The card can also grant access to specific floors, car park and public areas only, thus enhancing hotel security.



**Each room can have its own independent temperature profile for every hour of every day. The energy conservation program allows six ambient temperatures to be preset.**



**The system can be profiled to automatically switch off the air conditioning when a window is opened in the guest bedroom in line with Hotel policy.**



**Preset ambient lighting can be programmed in corridors to only switch on when a person is present and return to the reduced lighting state when there is no activity.**



**Room Access: Using Smart Tag technology, Micromaster is able to manage and memorise the structure at various levels. The key can have a temporal expiration date and can handle a number of categories such as guest, service personnel, management, etc. All this can guarantee a maximum security level.**



# Guest Experience

Micromaster offer a variety of controller ranges to compliment the hotel's style. Our latest range - Vitrum (shown here) - is also our most revolutionary. Made from glass the controllers respond to the gentlest of touches.

By default, the glassware units remain dimmed in a stand-by state until a guest's presence is sensed, whereupon they illuminate automatically to display the controls. The stand-by state also aids the guest in locating the controls in the dark. The touch-sensitive controllers use an 'iPOD- style' action to make adjustments.

With technological advances, guests expect more when they stay at a hotel. Micromaster is able to deliver more than expected in terms of service and satisfaction. By being able to monitor In-room statuses such as 'Do Not Disturb' and 'Make Up Room', hotel staff will be able to provide a better service. By setting the right ambient temperature and lighting, guest satisfaction will increase. This will, in turn, improve client retention and help drive revenue higher.

With more hotels being built and brands competing to have the best product, each brand seeks to enhance their guest experience and set them apart from their competitors. VDA's Micromaster just may be that unique edge that will improve your brand and keep your guests coming back for more. It could even make the difference between a hotel qualifying for a 4 or 5 star rating.

- **All rooms can be monitored from a central location in reception, allowing management to be fully aware of who accessed which room at what time and the room status.**
- **An intelligent card holder ensures that only the right key card can energise the room. Lights automatically switch off when the guest leaves the room. In addition, selected lights can be set to switch on when the guest enters the room to create an welcoming environment.**
- **The in-room guest controls can be tailor-made to fit the design and theme of the hotel. We have a range of devices on offer to suit every tier of clientele.**



# Central Management

Micromaster can play as big a role in the management of the hotel as you want it to. It can be fully woven into the fabric of the hotel to be able to manage other areas such as public spaces, meeting rooms, back office, etc.

At the central management point, the control software has been developed specifically to be simple and intuitive in use. The system integrates with most PMS systems, including Micros Fidelio, Opera and others. This, in combination with touch screen technology, makes life easy for users of the system and its simplicity also means that training times are very short.

This is important in the hospitality industry where there is a considerable turnover of hotel personnel, and this can help operators and managers take full advantage of all the capabilities from the outset.

## Reassurance & Security

But the system is not just about saving energy; it's also about offering reassurance and added security. For example, the system reports SOS alarm calls from any disabled room and, of course, alarm and security system integration can be extended to all the other guest rooms and common areas like public restrooms and toilets.

Alarm status can also include anti-flooding sensors, gas sensors and smoke sensors. Lighting and heating can be controlled centrally as well and can be preset depending on the occupancy of the rooms.

Micromaster has been successfully installed in over 1,000 Hotels across Europe including:

Arora International Hotels

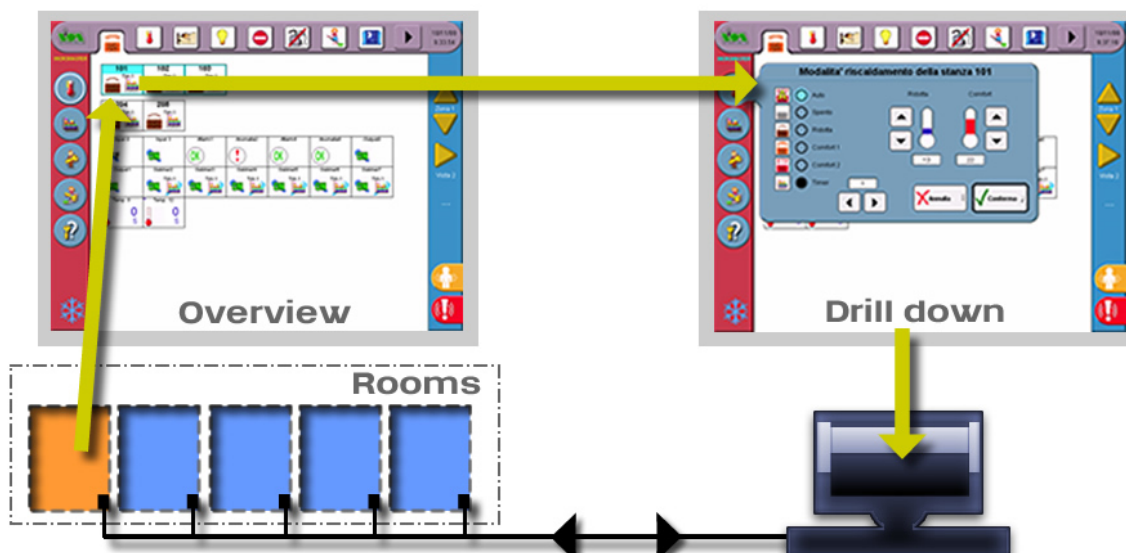
Best Western

Brown's Hotel

Hard Day's Night Hotel

The Royal Yacht

Sofitel Luxury Hotels



For the hotel operator, Micromaster gives a remote overview and total control of all room system settings, which can be centrally adjusted as required.

**Micromaster  
Monitor  
& Control**

# Room Controls



**Micromaster Control Box**  
Installed next to Room Fuse Box (out of sight)



**Door Access Control**



**Intelligent Card Reader with Do Not Disturb button**



**Air Conditioning Temperature Control**



**Controller for managing up to 4 lights independently or simultaneously**

But that's not all! Micromaster can be seamlessly integrated with VDA's PowerTV to enable guests to control their room environment via the TV interface using the remote control.

For an interactive Micromaster demonstration please visit [www.automatemyhotel.co.uk](http://www.automatemyhotel.co.uk)