



AgilQuest's Smart Buildings in OnBoard 5.5.1

The Smart Occupancy capability of prior versions of the OnBoard® workplace management system reduces the amount of leased or owned office space to only what workers need just-in-time. These 20-50% reductions in corporate real estate cut tens or even hundreds of millions of dollars per year from your 2nd largest expense.

The new Smart Buildings capability in the latest version of OnBoard increases savings by reducing the amount of energy needed to serve the actual occupants of remaining office space to only what you need today. This additional savings of at least 20% electricity is on top of the real estate savings from Smart Occupancy.

OnBoard's new Smart Buildings capabilities also increase automation, thereby reducing the number of times and the ways a user must interact with the system to improve ease-of-use and drive up user adoption and utilization rates.

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Smarter use of building systems and users' time

Extend the value of existing building systems and reduce user effort

For organizations who have invested in hardware systems to manage individual resources such as conference rooms, OnBoard 5.5.1 extends the value of such hardware systems by broadening their reach and participation to the entire enterprise staff.



Devices such as Steelcase's RoomWizard perform well to manage the conference room which they are physically attached, but typically have no interface or mechanism for users all over the enterprise to interact with and use the device until they are physically present.

The Smart Buildings elements in OnBoard 5.5.1 communicate back-and-forth with devices like RoomWizard and extend the functionality of the on-screen buttons on such devices to participate in the global reservation system. OnBoard picks up the press of the "Start Early" button on the hardware device and sends that to the larger OnBoard system to update the reservation for the entire enterprise. Checking in on any OnBoard interface updates the physical hardware, so users can now check in to RoomWizard from the web, from their iPhone, or even just from swiping their badge at the front door.

These tighter integrations between the existing building systems and the real world use of those systems makes for higher efficiency and better user adoption as the building "does the work" more seamlessly instead of expecting users to take one or two extra steps.

Smart buildings now aware of presence and welcome users and visitors

Real time automatic check in

As employees and visitors enter a smart building by swiping their badge at a turnstile, OnBoard listens for these real time notifications and responds with automatic check in to reservations and welcome notices for each user.



By piggybacking on the existing user action of "badging in", the OnBoard automatic check in eliminates the need for users to manually do the same for desk reservations and meeting room bookings that same day in that building.

Without reducing the control and management of the space resources, this new ability greatly reduces the user effort required to interact with the reservation system, which increases user adoption and, ultimately, the utilization of the resources and the accuracy of the utilization data.

Buildings educate and prepare incoming employees and visitors

Personal assistance and “smarts” at self-service prices

Acting just like a personal assistant, OnBoard shares the “smarts” of the building with anyone who does not already have a reservation. When they swipe their badge at a turnstile or otherwise “badge in”, OnBoard looks for existing reservations for that person for that day in that building. If the person does not have a reservation, OnBoard sends them a message:

- How and where to make a reservation
- Where to go for help

By connecting the building systems with the reservation data, OnBoard now communicates with and assists occupants make best use of their time and efficient use of the space resources of the building without further taxing the support staff and resources. By automatically offering guidance and making the occupants “smarter”, OnBoard goes beyond a simple self-service system to keep costs low and assists users without requiring time and attention from support.

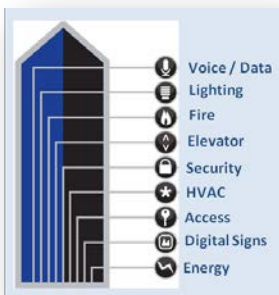
Assisting the users with personalized guidance and information increases user adoption (and therefore utilization rates) while reducing support costs.

Personalized service delivery with location intelligence

Knowing where someone is allows building services to be delivered just-in-time

Traditional building systems know an employee has arrived as soon as they swipe their badge, but do not know where that employee is working or meeting with others today. That means the building systems cannot tailor services any narrower than “entire building”. To improve building efficiency, OnBoard 5.5.1 now extends the intelligence of smart buildings to include the locations where each employee and visitor is scheduled to work and meet so service such as electricity, lighting, heating and cooling can be delivered just-in-time to meet the needs of the actual occupants without wasting anything on vacant space.

The Smart Buildings release of OnBoard has applied the value of just-in-time phone switching and extension mobility of prior hoteling versions to the building services capabilities of this new 5.5.1 version. This combination of OnBoard’s location intelligence with the building’s user presence awareness to create significant new value in delivering only the service needed by the people actually in the building and for only the time they actually need them. All of this additional efficiency comes from the single existing user act of badging into the building.



By providing just-in-time services without requiring any further user interaction, user adoption and space utilization increases while service expenses are reduced and sustainability is improved.

Smart building integration reduces proprietary vendor lock-in

Participation in building communication framework increases flexibility and reduces costs

Smart buildings using a communication framework can provide OnBoard with presence detection without the need to integrate directly to specific hardware. While OnBoard has always offered integration with occupancy sensors and counters, the new version 5.5.1 can receive and act on the same presence detection from framework-capable devices.

As devices within the smart building systems detect the presence of occupants (or lack thereof) and report the data to OnBoard, the reservation system can take action to provide services or, in the case of no occupants, turn off service to a specific area of the building.

This framework-based approach provides a broader array of choices and quicker evolution for organizations while continuing the high value and vendor-agnostic philosophy from AgilQuest's OnBoard.

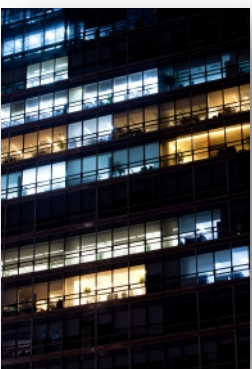
Check out halts unneeded services in Smart Buildings

When occupants no longer need space, the building can turn off services that would be wasted

When employees or visitors use an OnBoard interface to check out of a workspace or meeting room, they are indicating they no longer need that space for the day. In prior versions of OnBoard, that space would immediately be made available to anyone else needing such a desk, office or meeting rooms. This drives utilization above 85% and often above 95%.

The new Smart Buildings version of OnBoard also sends the check out event to other buildings systems with the expectation they will turn off unneeded lighting, electricity and HVAC.

The combination of OnBoard and intelligent building systems can trim the space, the used energy and the wasted energy to the minimum actually needed without impacting productivity.



Auto-bump releases unused space and turns off unused energy

Presence detection and reservation system work together to identify and turn off unused services



OnBoard's existing Smart Occupancy capability waits for users to check in and demonstrate they are actually using the workspaces and conference rooms they have reserved. If no manual check in is received within a given grace period, OnBoard automatically releases that space for others to use. This "auto-bump" feature drives high utilization rates and prevents resource abuse.

The new Smart Buildings version of OnBoard takes auto-bump one step further: if no check in occurs within the grace period, the desk or meeting room is released for reuse and the building is notified to turn off services until they are needed.

The utilization rates are increased by releasing the reservations and energy waste is minimized by turning off electricity, lighting and HVAC when no one is actually using specific desks or rooms.

Precise automatic check in control

Settings to balance automation and ease-of-use for each organization



Users want systems to be as easy to use and as effortless as possible. Since version 5.4, OnBoard has offered automatic check in for organizations where user adoption was a priority. When an employee or visitor badges in or checks in to the first reservation of the day, all other reservations can also be marked as checked in so that one user interaction is all that is needed.

OnBoard 5.5.1 for Smart Buildings adds settings to restrict automatically checked in reservations to just workspace ones for organizations where greater control over conference rooms is needed and manual check ins for those higher use resources is required.

Organizations are now in complete control of how much to automate and how much to require to balance ease-of-use with resource management.

For more information on Smart Buildings, visit our website at agilquest.com/smart-buildings, or contact one of our experts at agilquest.com/contact-us.

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