

HOME Smart Home

Life under control

SPY-WORTHY CHALET

A luxury lodge built to wow—automatically

KITCHEN CONTROL

Apps for the perfect meal every time

ON PAR

Driving innovation in unusual places

A Control4 publication
SPRING 2012

HAPPINESS IS SECURITY

Locking down safety & convenience

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When you blend tee-time with technology you get what many are calling a highly addictive experience for golfers in the Dallas, TX area. And a great place to drink and drive.

14 EAT. CONTROL. LOVE.

Mix one part home automation company with equal parts leading brand in luxury kitchen appliances and enjoy an entirely new way to exercise (and enjoy) the culinary arts.

27 SMART HOME, SAFE HOME

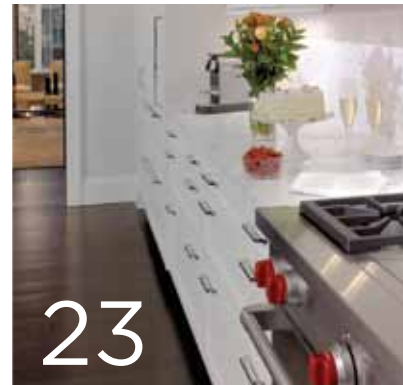
Today's secure home can be wired to watch itself. You can even answer your front door from your smart phone from anywhere in the world. Read on...

31 5 WAYS TO SAVE

People look to automation for many different reasons—comfort, convenience, peace of mind. But nearly everyone shares the same unexpected benefit of savings.

32 ONE HOT HAPPO

It's a ski chalet built for the James Bond-wanna be. And really now, who wouldn't want to BE? Take a thrilling ride through the automated lifestyle on a Nagano mountain in Hakuba, Japan.



EDITOR'S NOTE

Since Steve Jobs passed in October of 2011, I've been reminded again and again of his love affair with everything Japanese, and wondered if I ever might experience the intriguing island nation myself, first hand. While I've always relished international travel and sure, I saw *Lost in Translation* and loved it, there was still something that seemed a little too foreign for me—enough so that I'd probably never actually book a ticket considering I didn't know the language, not even a character! I was resigned to the fact that it would always be just a fantasy. But then suddenly everything changed: With an invitation to visit a ski resort town in the northern Japan Alps to film and document a mind-blowing Control4® installation, hosted by real Control4 customers, it was easy to answer with an unambiguous and very enthusiastic YES!

After a direct flight from San Francisco to Narita, my bleary-eyed self somehow managed to meet the driver that would take me on one last five-hour leg to Nagano, where I was warmly received by the chalet owners, Bernie Schiemer and Eloise Sutton-Kirkby. And yes, as their surnames allude, despite the international address, they turned out to be perfect English speakers—a native of Australia and England respectively. Turns out, Jobs hasn't the only gaijin, or "alien," to fall under the beguile of Japan! Bernie grabbed my bag and ushered me into my room and wouldn't you know it... even more than 5,000 miles from California, with a Control4 touch screen just inside the bedroom door and an iPad® running the Control4 app at my bedside, I really did feel perfectly at home.

In this issue, we take you inside this incredible abode, a cool Slovakian bachelor pad and a US property affectionately coined "Fort Knox." We also unveil the genius behind today's smart kitchen.

After reading, I think you'll agree that the pursuit for control and automation—no matter where you might be on this amazing planet—is always an exciting adventure!



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WHAT'S NEW?



New year. New control.

From blazing fast controllers to full-motion video intercom products, Control4 kicked off 2012 by ushering in a bevy of new control solutions designed to bring the whole family more pleasure—and peace of mind. Contact your local authorized dealer and ask for a demo. To find a dealer near you, visit control4.com.



Come On In...

Remember the 50's pop icon, Bobby Darin? The mid-century home he shared with Sandra Dee in Hollywood recently got a modern makeover that included a multi-room music system that the Rock-n-Roll Hall-of-Famer would have loved. (Thankfully they kept the sunken living room intact!) Look for the "Home Smart Home" video playlist on the Control4 YouTube Channel and take your own personal tour at youtube.com/control4fans.

Stay in Control

facebook.com/control4fans | twitter.com/control4 | youtube.com/control4fans



All for One and One for All

For when even families can't agree, there's the Control4 app, which transforms your favorite Android™ or Apple® device—from smart phones to tablets and yes, laptops, too—into your favorite whole-home control system. See it in action at control4.com/myhome.

YOU ASK. WE ANSWER.

Paul Williams, VP of Support Services, answers your questions

Q. Can home automation help make my home more safe and secure?

A. Absolutely! While a standard monitored security system offers protection and is a wise addition to any home, combining it with a home automation system is even smarter. Consider a few examples:

It's nighttime. Rather than return home to a pitch-black house, as soon as the garage door opens, your pathway lights illuminate on cue, ensuring a safe entry. Now no one in the family has to enter the house with trepidation.

Enjoy the peace of mind that comes from knowing that your child got home from school. A smart home can alert you via email or text—as soon as your child's pin code is entered to unlock the door. If the door opens while you're away, you'll know that, too. In these instances, knowledge is power!

Ever wonder if you really closed the garage door when you left the house? You can double-check right from your phone or computer.

Not sure you locked the whole house before bed? Remedy that with a press of a button. Every lock can be secured without having to leave the comfort of



your covers. Security professionals say that the two biggest deterrents to home robbery are light and sound. When

you're on vacation, you can set the home to "Mockupancy" mode so that lights, and even your TV, can go on and off automatically, as if you were home, to keep intruders away. For extra assurance, you can check your IP cameras from a mobile device or computer, no matter where you might be on the planet (provided it has internet access, of course).

Hear a thump in the night? Hit a pre-programmed button and lights inside and out will flash on and off so that you can make sure all is well.

Finally, a touch screen with intercom makes it easy to check on the whole family and broadcast messages throughout the house in a flash. When IP cameras are connected, you can identify who is at the front door from virtually every screen in the house, before you get up to open it.

In short, a home automation system is an amazing tool to help

keep your home safe and secure. And the added convenience and peace of mind that come from protecting your family treasures are truly priceless.



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GOLF REINVENTED

A little birdie told us about this unbelievable new hotspot in Texas

It is remarkable and not insignificant that so much creative language has been used to describe TopGolf. As a revolutionary take on the traditional driving range, it has drawn an estimated half-million newbies to the game, stirred up considerable buzz among investors, and is showing no sign of slowing down. Thanks in part to Diem Digital Interiors and Control4, TopGolf CEO Joe Vrankin ranks their latest location as the most advanced one yet.

In his New York Times blog, Bill Pennington described TopGolf as “a cross between the ambiance of a 1950s bowling alley and an episode

of *The Jetsons*.” Bob Carney mused in his *Golf Digest* column that it was, “a sports bar where golf happens to break out.” Much like one Yelper’s description of “Wii meets golf,” Robb Sidebottom, TopGolf’s national director of sales, calls it “a video game come to life.”

Perhaps the most straightforward handle is the one offered by Vrankin, former CFO of the Arena Football League. He calls it ‘golf entertainment.’

Still wondering exactly what it is? And what’s with all the elusive descriptors? To answer the latter, it is—simply put—the first of its kind. Not just for golf, but sports in general.

PHOTOS: TOPGOLF

Located about 20 minutes north of Dallas in Allen, Texas, this facility blends tee time and technology into what many are calling a highly addictive experience for golfers and non-golfers alike. In fact, 45 percent of TopGolf’s customers would be classified as non-golfers, i.e., they’ve never played on a traditional course or usually play fewer than two rounds a year.





At the entrance, three TVs display TV programming or TopGolf leaderboards, and sometimes both. You can also view real-time scores of TopGolf patrons.

A GREAT PLACE TO DRINK AND DRIVE

TopGolf stands for Target Oriented Practice Golf. It is essentially a driving range with microchip-embedded golf balls. Each chip registers the ball to its user, enabling it to track their score.

Players play in individual hitting bays that are not unlike what you find in a bowling alley, in this case, six at a time. Different games are simulated, including things like your basic nine holes.

But what has really made it such a success is its ability to bring in droves of non-golfers. While TopGolf attracts a core of avid and even professional golfers seeking to improve on their skills, the casual atmosphere, an indoor restaurant and three full-service bars also draw a broader demographic of entertainment-seekers.

As a result, more than 45 percent of its customers are categorized as non-golfers, meaning they play real golf less than three times a year if at all. This is a significant number

when you consider that the first six sites alone average over 1.2 million players.

ALLEN, TEXAS: THE LATEST, LARGEST & MOST ADVANCED TOPGOLF YET

The latest facility to go up is the Allen, Texas location: a three-story, 65,000-square-foot complex that is the fourth nationwide for TopGolf. The other three include Alexandria, Virginia; Chicago, Illinois; and Dallas, Texas. The three

PHOTOS: TOPGOLF



WHAT ARE YOU GOING TO WATCH TONIGHT?



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Thanks to the programming smarts of Diem Digital, controlling 10 televisions throughout an expansive venue is an easy task.

original locations in the United Kingdom make it a grand total of seven.

Control4 dealer Diem Digital Interiors designed and installed the Allen project, which wrapped this June 2011. “The entire facility is controlled by Control4,” says John Dorsey, Diem Digital Interiors president. “I am proud of our team’s Control4 design and we’re elated to have played a part in creating TopGolf’s premier facility.”

The project began two years ago, when one of TopGolf’s main

investors approached Diem Digital Interiors to design a Control4 system for the new Allen facility. The original vision was video distribution: to have everything from the marketing to the drink specials integrated into the facility’s many screens.

What resulted was even more impressive. Along with the original scope of work, Diem Digital Interiors set up every hitting bay with two televisions. The bottom TV displays players’ scores and the top TV functions as a regular

TV, featuring local and national sports games.

As simple as that seems, the difference has been spectacular. A major sporting event would normally affect business, with people opting to be where they could watch the game. Now, a scheduled game drives business to the Allen location. In fact, when the Dallas Mavericks were in the NBA playoffs last year, Diem Digital Interiors sales rep Derek Wilson said, “The Allen location was packed.”

PHOTOS: TOPGOLF

A WALL OF SCREENS, A DESK OF IPADS

A video wall in the manager’s room controls everything. Six Control4 screens are run by a single iPad. Sidebottom cites this as his favorite feature, “To wirelessly control the whole system from an iPad is pretty cool.”

From the iPad, the staff can control the entire facility, including remotely switching which DIRECTV channel is playing on each of the 240 televisions, individually or all at once. “We don’t have to spend a lot of time turning on all our A/V equipment. That allows our staff to focus on running a facility, not turning on TVs.”

Additionally, Diem Digital Interiors can train TopGolf staff and do programming changes remotely. Even this is remarkably easy: Staff can be trained to run the entire facility in under 30 minutes. “We are very proud of that,” says Dorsey.

Sidebottom agrees: “Control4 takes the complicated steps of A/V away so that all we have to do is hit buttons that accomplish what we need them to.”

EVENTS AT TOPGOLF

“This technology has given us the ability to wow potential corporate clients by demonstrating that our A/V solutions are as technologically advanced as our state-of-the-art gaming system,” states Sidebottom.

Corporate events at TopGolf are no small potatoes. Hosting Fortune 500 companies such as AT&T, a venue of this size can bill out at tens of thousands of dollars. A \$60,000 price tag is not unique.

Some of the features include: a video wall in the VIP area, four leader boards distributed throughout the facility, and



Everything from the marketing to the drink specials are integrated into the facility’s many screens.

individual control over every TV. If there’s an event—a concert, game or presentation—video can be pushed to any or all of the TVs, with the same applying to audio.

“Having the Control4 system and demonstrating its ease of use and features makes our clientele comfortable that they will be able to accomplish everything they need during their time at our facility,” says Sidebottom.

CONTROL4: THE ONLY WAY TO GO

Sidebottom recalls the decision to go with Diem Digital Interiors. After reviewing a slew of proposals from automation vendors, the decision was made to trust the experts at Diem Digital to design the TopGolf system. “They felt Control4 was the only way to go,” he recounts. “They were right.”

He adds, “It’s pretty impressive to be walking through a very large facility and to see the televisions turning on one right after the

other... with the music suddenly filling the air during that process. It brings a level of energy to the place before anybody ever walks in.”

Wilson and Dorsey agree, joking that, “The facility is alive. It turns itself on.”

Whether it’s the energy it brings or the efficiency of operations, it’s working for TopGolf. TopGolf now generates 200,000 visitors per site and Vrankin recently announced he hopes to have 50 sites in five years.

Likewise, Bill Pennington, in his “On Par” column for *Golf Digest*, heralds TopGolf as “the future of driving ranges.” At the grand opening for the Allen site, Mayor Steve Terrell told the *Allen American*, “It’s a concept I firmly believe will start sweeping the nation pretty rapidly.”

“I am comfortable saying we have an aggressive expansion plan,” says Sidebottom. “If you watch TV, you’ll probably continue to hear about us. If you aren’t watching TV, get a Control4 system and tune in!” ■

BITS & PIECES *For big laughs & little-did-you-knows*



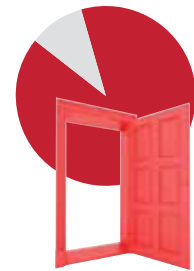
Lighting accounts for 20% of all electricity consumed in the U.S. 50% of that is wasted with inefficient light sources or lights on in unoccupied rooms.

Environmental issues are a major concern in the running of Buckingham Palace. A Combined Heat and Power unit (CHP) helps to cut energy consumption; LED lights reduce electricity use; and double-glazed skylights reduce energy loss.



Property crime makes up slightly more than 3/4 of all crime in the United States.

90% break-ins involve the use of a door, 34% of which happened to be the front door.



In 1998, one of the first examples of selling media content through the mobile phone was the sale of ringtones by Radiolinja in Finland. Soon after came other content, like news, video games, jokes, horoscopes, TV and advertising.

For Black Friday sales, the iPhone® continued to lead all mobile device traffic at 6.58 %, followed by Android devices at 5.20% and iPad at 4.71%



Au revoir, Monsieur Jobs
Steve Jobs told former Apple CEO, John Scully that if he hadn't started Apple, he might have been a poet in Paris.

RADIO dominated the 1920s, with roughly 3 million Americans owning radios by 1923. Most listeners still used crystal sets with earphones to receive news and bulletins, advertising and music.



Chicago's 1933-1934 world fair depicted an automated home in the "Homes of Tomorrow" exhibition. It demonstrated modern home convenience and creative practical new building materials and techniques with twelve model homes sponsored by several corporations affiliated with home decor and construction.



As of Oct. 4, 2011, the Apple® iTunes® store served its 16 billionth song download.

103 inches

That's the size of the largest plasma television in the world, made by Panasonic. Price tag, you ask? Reach into your pocket for about \$70,000.

The first remote control was invented by Nikola Tesla in 1898. He used a radio controller to operate a small boat at Madison Square Garden. Tesla called his boat a "teleautomaton."

Developed in 1955, the first wireless remote control, called the "Flashmatic," worked by shining a beam of light onto a photoelectric cell.



CLOCKWISE FROM TOP LEFT: THE ENERGY CONSERVATION ENHANCEMENT PROJECT; FBI, 2008 NATIONAL CRIME REPORT; HTTP://WWW.ELISA.COM/ON-ELISA-CORPORATE/HISTORY; THE HUFFINGTON POST; HTTP://WWW.BM.COM/US/ENV; WWW.WINDFELDDALLO.COM; PHOTOS: I STOCKPHOTO.COM; MATT YONE
CLOCKWISE FROM TOP RIGHT: LIBRARY: THINKQUEST.ORG/THINKQUEST.ORG; HTTP://USERS.MARSHALL.EDU/~BROOKS/1933_CHICAGO_WORLD_FAIR.HTM; WWW.TESLASOCIETY.COM; WEB.ARCHIVE.ORG; HTTP://PANASONIC.COM; WWW.ENGADGET.COM; PHOTOS: JOHN SCHNEIDER; CENTURY OF PROGRESS RECORDS, 1927-1952; UNIVERSITY OF ILLINOIS AT CHICAGO LIBRARY; PANASONIC



Eat. Control. Love.

A perfect recipe of
culinary arts and control

Now you'll know the
instant the kids leave the
refrigerator door open.

PHOTOS: SUB-ZERO AND WOLF

Introducing the
smart kitchen
that delights
gadget geeks
and foodies alike



It's where we go to get our day started, sometimes to snack and often to prepare a celebration. Many feel it is the heart of the home. No matter how you slice it, one thing is clear: The kitchen brings people together more so than any other room in the house. But the latest generation of kitchens is about much more than sleek and austere design or a splash of color in the cabinets. The new smart kitchen has taken into account the relationship between the room and its residents.

From being notified as guests pull into the driveway to cueing the dinner party music and lighting with a simple touch of a button, Control4 has long made setting the perfect entertaining ambiance a cinch. But what happens when you mix a home-wide automation system with the world-class kitchen appliances of Sub-Zero and Wolf, the food preservation and preparation specialists? You get a perfect blend of technology and art that delights gadget geeks and foodies alike.

SMART PRODUCTS FOR A SMART KITCHEN

"Basically, you can take your kitchen with you anywhere in the house," laughs Sub-Zero engineer Steve Nackers. And vice-versa, points out his wife Kirstin: "We can control just about every aspect of the house from the kitchen through the Control4 remote control."

Notably, the smart appliances are as easy to navigate as they are innovative. "At first, Kirstin was worried that the house would take control—that it would be a situation like *The Terminator*," says Steve. "She was afraid it would be complicated. It's a testament to Control4 that it's not at all. Now she absolutely loves it. The kitchen is the first thing she shows people when they come over."

The Control4 smart kitchen is designed around the Sub-Zero Built-In Series refrigerators and the Wolf E-Series ovens. Both integrate seamlessly with a Control4 automation system, effectively

making the kitchen a command center for anyone who spends even a little bit of time there.

THE SUB-ZERO BUILT-IN SERIES REFRIGERATOR

The smart kitchen will not only alert you that the fridge door is open—it will report how long it's been open. You can choose to be alerted either with a text message or by having the house lights pulse on and off.

"That's something I do myself all the time," says Steve. "I'll shut the fridge with my leg and I won't realize that it jammed and is still open a couple inches. Of course, you never notice. And before you know it, the ice cream's melted, the chicken gets frostbitten from thawing and refreezing and you've leaked all this energy."

Additionally, the fridge can be programmed for party mode to increase ice production and adjust cooling to accommodate the traffic increase. Conversely, it can be programmed for a long weekend away. In this mode, food preservation settings ensure that food stays as fresh as possible. For longer stays, vacation mode will reduce energy consumption and cooling to a minimum to make sure the fridge is food-ready upon return.

For Orthodox Jews, a Sabbath mode can be pre-scheduled. On this setting, neither the fridge nor the freezer will respond directly to user actions, per the standards of the kosher authorities at Star-K. The lights, compressors, and fans that normally are affected by door openings will now function in compliance with Sabbath rules.

Other conveniences include the option to connect with a system that can communicate with external parties, in which case, the smart



Sub-Zero is all about keeping food fresher longer, and this takes it to another level.

refrigerator can provide error code information prior to a service visit to ensure that the service tech is informed before they even enter the home.

THE WOLF E-SERIES OVEN

The Wolf E-Series Oven is also designed around the idea of cooking confidence and perfect results every time, and now taking the kitchen wherever you go. It enables the user to monitor cooking from anywhere in the home, so

they can entertain or multitask worry-free.

"My wife is a pediatrician and sometimes works night shifts," says Steve. "So, I'll just make a pizza, right? And I swear, this happens every time. While the oven is preheating, I'll take the dog out. Then, when I get back from the walk, I completely forget about the oven." With the smart oven in place, Steve now gets a text to his phone that the oven is done preheating.

The smart oven also has alerts for when it shouldn't be on—an

PHOTOS : SUB-ZERO AND WOLF

THERE'S SOME SHINY, NEW HARDWARE IN OUR KITCHEN.



THANK YOU TO ALL THE CUSTOMERS WHO GAVE US THEIR HIGHEST RATING.

*"Sub-Zero ranked Highest in Customer Satisfaction with Refrigerators."
"Wolf ranked Highest in Customer Satisfaction with Ranges, Cooktops, and Ovens, Two Years in a Row, Tied in 2011."*





“The smart oven includes a temperature probe—it will show you the temperature in the turkey on the TV!”

especially handy feature for families with small children. Other alerts include options for when the timer is almost finished and when a piece of meat has reached optimal cooking temperature. “I have a large family that is spread out and Madison, Wisconsin where I live, is the most central, so I typically host Thanksgiving,” describes Steve. “As we all know, turkeys take three or four hours to cook. Well, the smart oven includes a temperature probe—it will show you the temperature in the turkey on the TV! So I can watch the Packers game and know that I’m not overcooking the turkey.”

MORE SMARTS PLEASE

Kirstin recalls another time Control4 once saved the day: “I’d



Keep tabs on your turkey even as you are watching the big game; get a text alert on your phone or your TV when the bird is done.

baked a cheesecake the day before a friend’s party, but had to go out of town that night. I accidentally

left the cheesecake cooling on the counter and never put it in the refrigerator. We were able to open the garage door remotely, so my sister could get in and get the cheesecake into the fridge. After she left, we were even able to double check that she’d closed the garage door!”

THE CONTROL4 SMART KITCHEN—THERE’S AN APP FOR THAT

The Control4 smart kitchen is not only a forerunner in connecting to smart appliances, it is also the first to provide homeowners a way to enhance their overall system through touch screen applications for the home. The same way you do with your mobile phone, homeowners can now add more

functionality and fun to their Control4 system by downloading different apps.

Want to pull up a recipe for apple pie? With a touch of your finger, source America’s best on the Control4 touch screen on the countertop. Then liven things up with Brazilian pop music or NPR while you dice the apples. Meanwhile, a simple button click will let you check who’s at the door when you’re elbow-deep in dough.

From a babysitter app that lists emergency numbers on a touch screen in the kitchen, to a reservation app that will square off your dinner plans, to a weather app that tips you off as to how warmly to dress, Control4 adds smarts to virtually every aspect of your home and kitchen.

For the green-minded foodie, there are also apps that focus on energy efficiency and management. Now, you can better understand where to save. For example, some apps can help your smart appliances work with your thermostat to heat the house less as soon as the oven starts heating up. In areas where electricity prices vary throughout the day, the smart refrigerator can also save money. With a single touch, it can target the cheapest times of days for using energy.

“Our appliances are designed to be very energy efficient,” remarks Steve. “Any advantage we can give to the green consumer, we put in there. Whether it’s features, software or intelligence, we make it as environmentally friendly as possible.”

So, there you have it: In addition to all the other firsts, the Control4 smart kitchen may very well be the first kitchen to earn the approval of both the Barefoot Contessa and Al Gore. ■

PHOTOS : SUB-ZERO AND WOLF

PHOTOS: WEBARCHIVE.ORG

YESTERDAY'S KITCHEN OF TOMORROW

So what did the “Kitchen of Tomorrow” look like more than 50 years ago? General Motors’ “Frigidaire Division” gave viewers an elaborate sneak-peek in “Design for Dreaming,” a short film produced for GM’s annual auto show, Motorama.

A masked prince takes our heroine on a journey of what’s to come. The fanciful, futuristic assembly of prototype appliances and culinary conveniences include the Electro recipe file (“Put a card in the slot and onto the screen pops a picture of just how your dish will look, plus all the ingredients you need to cook,” our heroine sings.); battery-controlled serving carts; an ultrasonic dishwasher (“No need for the bride to feel tragic, the rest is pushbutton magic,” she belts.); a range that cooks with induction coils and



never gets hot; a free-standing rotisserie-style oven with a plexiglass dome for a cover (“Don’t have to be chained to the stove all day, just set the timer and you’re on your way.”); and glass-walled rotating refrigerator/freezer (Pictured below.) dubbed the ‘Roto-Storage Center.’

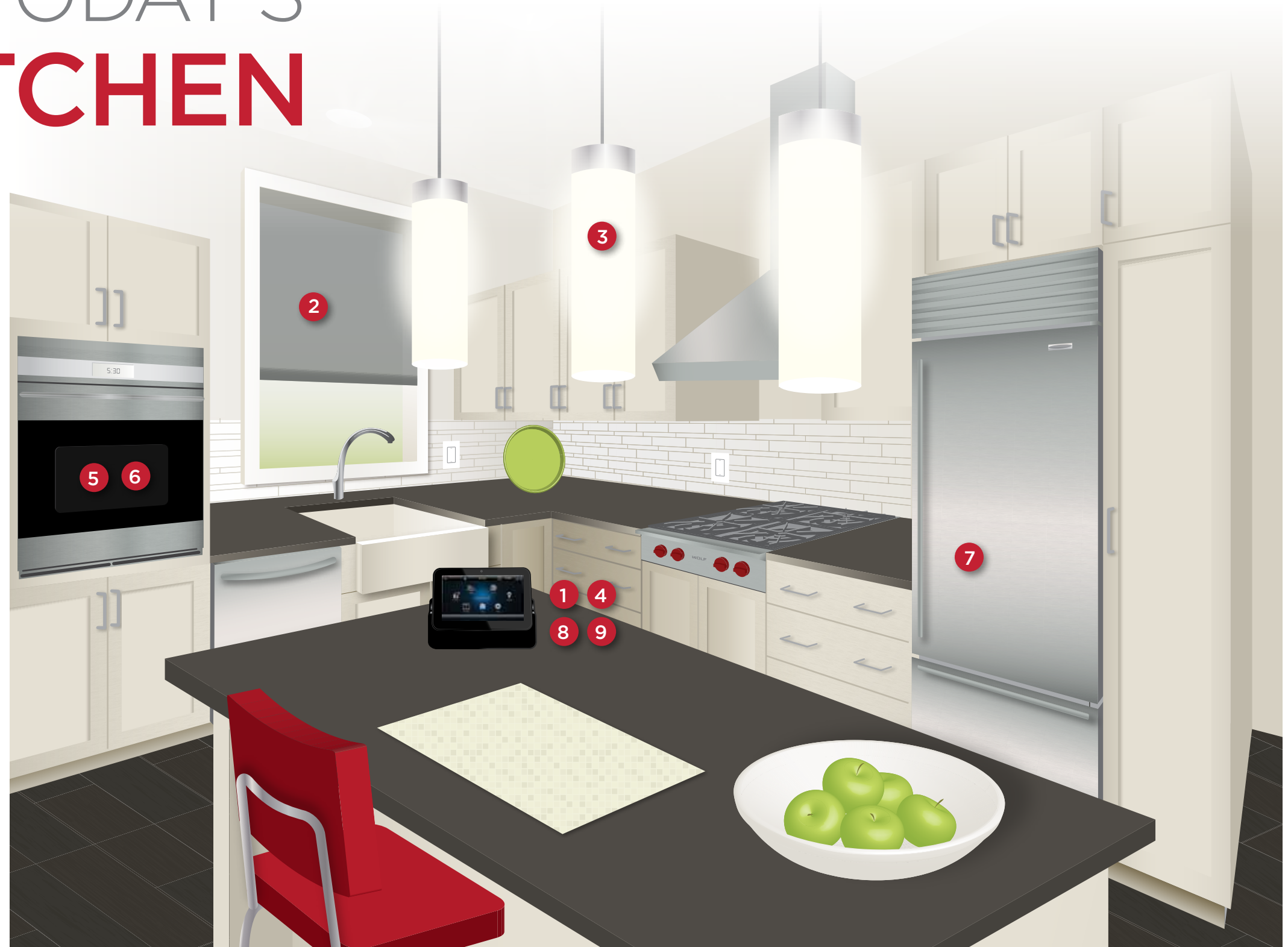
The exhibit turned out to be one of Motorama’s most popular ever, and no wonder: “So whether you bake or broil or stew, the Frigidaire kitchen does it all for you.” Bon appetit!



STEP INSIDE TODAY'S SMART KITCHEN

What's cooking in a smart kitchen depends entirely on what kind of intelligence you'd like to serve. Here are just a few examples:

- 1 Access your favorite recipes from a touch screen in the kitchen. Or make dinner reservations at your favorite restaurant.
- 2 Automate your shades to close as the sun sets. Open as the sun rises.
- 3 Program one-touch buttons for optimal lighting: one for "Cooking Prep," another for "Entertaining."
- 4 Send appliance maintenance and service requests through the Control4 system.
- 5 Set oven lights to flash in other rooms when the preheat is complete.
- 6 Send a notification to the living room TV when the roast has reached optimal temperature.
- 7 Program the ice-maker to increase ice production just in time for the party to commence.
- 8 Request alerts that report your energy usage.
- 9 From a touch screen, queue up the perfect playlist as your guests sit down in the dining room.



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The PT-7020C4 offers the latest in HD audio decoding and video scaling, and plenty of inputs for every imaginable type of source component. It features the detailed level of control you expect from a flagship processor, including fully-integrated Control4 home automation capabilities.

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- 3D capable HDMI with full color OSD over live video
- Professional balanced outputs and inputs
- Full-function Control4 subsystem acts as the cornerstone of a complete home automation system

PA 7-350 Seven-Channel Power Amplifier:

- 350 watts-per-channel with all-channels-driven @ 8 ohms
- Energy efficient, ultra quiet class H design
- Balanced inputs
- Unrivaled power reserves and musicality
- Largest seven-channel amplifier in its class
- Massive toroidal power supply

* All Sherbourn products come with 5-year warranties



Sherbourn Technologies, LLC | Franklin, TN

Extraordinary LIVING

The newest Ritz-Carlton Residence is on the corner of luxury and innovation

When the Prism Development Company decided to take a landmarked building and integrate it into a new residential high-rise on Chicago's famed Magnificent Mile, they didn't just bring the building up to date. They brought it a few steps into the future.

The Ritz-Carlton Residences, Chicago, Magnificent Mile is the latest addition to the Ritz-Carlton suite of luxury residential homes. What sets this one apart? Each of the units comes with a Control4 touch screen equipped with the Integrisys IntelliPlex™ Portal, a cutting edge innovation that gives residents one-touch access to the building's services and amenities through an easy-to-use graphical user interface.

From the sleek, in-wall Control4 touch screen residents can retrieve messages, connect to the concierge, make a service request with building management—all with the touch of a finger.

PHOTOS: JOHN FAIER



Catch the last few minutes of the game in the Media Room. The concierge will send an alert to your TV when your car is ready, *above*. Custom designed kitchens by Mick deGiulio, *left*, set the stage for private dinners prepared by the Club chef, who is as close as one tap via the Control4 touch screen.

and uphold what The Ritz-Carlton is known for—always going above and beyond.”

The Control4-powered IntelliPlex system will connect residents with as many as 12 full-time staff members as well as the private 12,000-square-foot Landmark Club on the 10th floor, which features a grand salon, a club dining room, a boardroom, a wine/billiard room, a screening room, a fitness center and a spa services area.

Additionally, with full integration of Control4 technology, residents will be able to personalize their own home with control over everything from audio, video, lighting, climate and even window blinds.

“I strongly believe that everyone has a need for technology. Our job is to simplify the process,” says Velazquez. “It isn’t just technology for technology’s sake. This is technology that enhances quality of life.”

The first move-in is scheduled for spring 2012. A showcase of the homes will follow on April 19, 2012, consisting of an opening night gala hosted by Traditional Home Magazine for the benefit of The Art Institute of Chicago. ■

PHOTOS: JOHN FAIER

“For example, residents can request valet services on the touch screen,” describes Integritys Principal and Control4 dealer George Velazquez. “While they catch a few more minutes of the game, they can be notified on their TV screen when their car is ready.”

The idea was simple: to extend front door services to every room in every residence. “In a hotel, you pick up the phone to call the front desk with your needs,” points out Velazquez. “With IntelliPlex, you’re basically getting the luxury hotel experience in your own home through a simple touch screen.” Even away from home, he adds, residents can still access many of the innovative features through an easy-to-use web-based portal, from a computer or a smart phone.

Residents will also be able to use it to check weather and news headlines, much the same way as with a smart phone or computer—except these messages will span everything from building

“This is technology that enhances quality of life.”

bulletins and notes about package deliveries or maintenance requests to international news. As George describes it, it will be like “combining the features of an iPhone with the amenities of a Ritz-Carlton hotel.”

“This exceeds typical residential design,” says Margo Dahmani, Director of Marketing for The Prism Group, the developers of the building. “We are at the high end of the residential market in Chicago, and the brand of our building meant that the technology packages had to be at the top of the spectrum. We are excited that we can offer it to our residents

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Smart Home, SAFE HOME

Smart locks don't just secure the front door, they've got control and convenience locked down, too

PHOTOS: BEYOND HI-FI

As an industrial automation engineer, it was hard for Morgan Leon* to get excited about his home security system. It was incompatible with his other automation systems; it concentrated control with the monitoring company, and it offered little in the way of customization or innovative intelligence. He

wanted a solution that would be as simple and personalized as it was seamlessly integrated. Control4 and a set of smart locks would give him all of that—and earn his house the nickname “Fort Knox.”

Leon is typical of more and more homeowners who are looking for—and getting—integration between their home control and security

systems. Gone is the notion that a safe home is simply one that secures the house from would-be intruders. Today's smart home empowers owners to control and monitor their premises in myriad ways thanks to the happy marriage of smart locks and home automation. “I wanted it all,” says Leon.

*Name has been changed to protect the identity of the customer



Morgan wanted a minimal contemporary look for the front door. Baldwin fit the bill with the brush nickel finish sans keypad, *above*.

PHOTOS: BEYOND HI-FI

GETTING SMARTER BY THE DAY

Since their advent, smart locks have evolved dramatically. Once a clunky mechanical device, they grew into electronic locks before moving on to their current form: a truly intelligent device that incorporates modern microelectronic controllers with the lock mechanism.

Consider that the first mass-market lock widely available in North America was the Weiser Powerbolt in the mid-1990s, which

remained the go-to lock for a decade. It wasn't until the mid-2000s that Kwikset adopted its own version for Black & Decker. However, it would still take until about 2007 for the next big development, when Schlage launched its own residential platform that included both lever and deadbolt versions. The success of Schlage's lock established a new standard in the electronic lock category.

A rapid-fire series of innovations have followed, including Kwikset's 2008 launch of its new Smartcode

platform, followed by a host of others, most notably products from Schlage, Kwikset and Baldwin that added radio frequency (RF) capabilities. Yale recently released its own version, the Real Living Locks, which include the ability to integrate with a home automation system and to pass information back and forth to the controller via low-power RF. Specifically, once a pincode is entered into the lock's keypad or touch screen, that information can now be transmitted to the controller. In turn, the controller

uses its intelligence to either log information and/or trigger events for the homeowner.

So what does this look like in real life? Imagine this: You come home after work, punch in the code on your lock's touch screen, and before you're even past the landing, not only is your alarm disarmed, your Control4 home automation system has turned on your favorite TV station, adjusted the thermostat to the ideal temperature, and created the perfect post-work ambiance with the lights. It's a little more of what Leon had in mind when he set out to replace his security system.

UNLOCKING POSSIBILITIES

Leon originally contacted Beyond Hi-Fi co-owners Joe Allen, Matt Shoemaker, and Rocky Snider to install a single controller system for a home entertainment system. When he became aware of what

else was possible, he proceeded with lighting control, followed by a Control4 OS 2.0 upgrade with an integrated security and camera system replete with smart locks.

"He is technically minded, like I am," commented Shoemaker. "He is inspired to create a home that feels and acts like a member of the family. He loved the additional notifications that smart locks offered up to him and challenged us to integrate every feature."

When all was said and done, Leon's two-floor, 4,000-square-foot home was equipped with a Control4 system that enabled him to command everything—from the security system, cameras and door locks to the lighting and music—with the touch of a single button. Now, when he arms the security system, the house goes to sleep: All of the audio, video and lights turn off; every lock checks itself and bolts automatically on demand. When he disarms the system in the morning, this process happens in reverse.

"In this day and age, homes have many complex independent systems running at any given time," says Allen. "These include lighting, sprinklers, security, cameras, A/V, pools, fireplaces, and much more. The strength of Control4 is its ability to talk, listen, and manage all of these different systems while providing an interface that is intuitive and easy."

The following are some of the key security features that got Allen and Shoemaker jokingly calling the Leon residence "Fort Knox":

KEY FOB

Much the same way a keyless entry system works on a car, a key fob is a keychain-sized gadget with buttons that, in this case, unlocks a

home—but that's just the obvious programming preference. When the Leons get home from grocery shopping, their key fob opens the garage door, disarms the security panel, unlocks the smart lock in the garage entry and turns on the lights, audio and video to their preset preferences.

MOCKUPANCY

If the day gets long or the Leons are on vacation, the lights will initiate what Allen calls "mockupancy." Essentially, a sequence of lights will turn on and off to create the impression that the house is occupied. These will occur randomly throughout the evening, but are carefully designed to simulate movement from one area of the house to the next. For example, the lights will turn on in the master bedroom followed by the hallway, kitchen, and den—as if someone was walking from one end of the house to the other. "It doesn't look like a disco party," points out Shoemaker. "It's very realistic."

THE ALWAYS-HOME PERCEPTION

Leveraging the front door camera, the system creates an "always home" perception for strangers who come to the house. If the doorbell is rung or the system senses motion, Leon gets a notification through his phone. He can then decide to interface directly with whomever is at the door by placing a call that transmits through a camera above the door. He can then speak directly to the visitor, see them through the camera, and if need be, unlock the door remotely. "It's reassuring to be alerted when my family comes and goes from home

or when an uninvited solicitor comes up my driveway,” says Leon.

USER CODES & NOTIFICATIONS

The smart locks installed at the Leon house are custom-programmed to work with Control4 lighting and A/V control to provide each user a personal code that activates a unique welcome scene.

Notably, these can be configured to unlock only certain entrances. For example, when the neighbor comes over to use the shop and garden tools, the entry code he’s been provided works exclusively for the garage exterior door. For extra measure, the activation of his code will also verify the status of the other locks, automatically locking them if necessary. The same goes for others who have

even more limited access, such as the landscaper whose entry code only grants access to the garage.

The individual user codes also mean that Leon can keep track of the comings and goings of anyone else enters (or attempts to enter) the home. For example, the system lets him know when his teenage daughter comes home from school or leaves to go out. By combining Control4 with Baldwin locks Home Connect Technology, the system can also automatically time the locking of all the doors with an exit delay, followed by a text message alert to Leon that the house is fully locked down.

“I take great comfort in always knowing my family is safe and secure,” says Leon before concluding: “Every house should have at least one smart lock. The peace of mind is priceless.” ■

PHOTO: YALE LOCKS



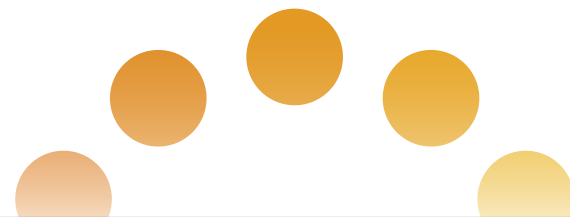
The Yale® app for Control4 systems makes it easy for homeowners to add, schedule and delete user codes, setup access privileges by day/time, check lock history or current locked/unlocked status.

FIVE WAYS TO SAVE AUTOMATICALLY

Heed these home control tips and you might notice a little less cash leaving the checking account every month

1 Sunrise. Sunset. Repeat.

Not to jack Tevye’s line from Fiddler on the Roof, but do the days ever go swiftly! With pre-programmed events for—*you guessed it*—sunrise and sunset, a Control4 system can automatically turn outside lights on and off, and even adjust for the seasons. In short: Set it, forget it, see savings.

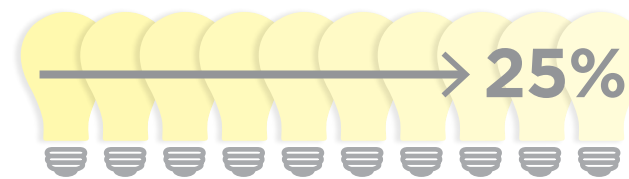


2 Caught in in-action!

Those kids work hard to leave all the lights on—but throw a motion sensor into the mix and all that work can easily be undone! Installed in places like bathrooms and playrooms, motion sensors trigger lights only when needed. And promise to turn them off when not.

3 “Goodbye! You’ve got savings!”

This one-button wonder saves money and time. Imagine you’re out the door in a hurry: Just push the “Goodbye” button on your Control4® keypad and it’ll turn off your lights, arm your alarm, reset your thermostat, and shut off other electronic devices, too! Here’s to never forgetting anything!



4 Dim & Dimmer.

Dimming lights by 25% (hardly noticeable to the eye) is smart because it reduces electricity consumption by 20% and smarter because it quadruples the life of your bulbs. Ambient light sensors can automatically adjust lighting levels so you never use more light than you need, but always have just enough.

5 Get with the program(mable T-stat).

Heating and cooling account for about 56% of the energy use in a typical U.S. home, making it the largest energy expense for most homes. With a Control4 programmable thermostat, makes it easy to pre-program it to set back 10–15 degrees when you’re not there—and even turn it up from the office just before you head home.



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ONE HOT HAPPO

A ski chalet with
secret-agent style
AND smarts

Against the majestic backdrop of the Japan Alps, right on the crest of the Nagano Olympic ski slopes, you'll find the unmistakable One Happo residence—a strikingly gorgeous silhouette of a chalet. But this exclusive Alpine residence in Asia boasts so much more than its jaw-dropping good looks. If you're lucky enough to step inside, design and architecture aside, it's clear that One Happo goes above and beyond your "average" world-class home.

PHOTOS: ONE CHALETS



In each en suite bathroom, you'll find an iPad or touch screen next to the tub. Queue up your favorite music and stream it through the ceiling speakers as you soak your cares away.

“I’m not ashamed to admit that we set out with utter perfection in mind for all aspects of building One Happa, but the home automation aspect is the piece that has guests consistently enthralled.”

Buzz on the mountain about this property began the minute construction commenced in the summer of 2010. The owner, Bernie Schiemer, had a very clear and grand master plan for this unique pocket of the planet: To create a world-class ski lodge that would not just put Hakuba firmly on the map for the discerning luxury traveler... but also, as some insiders knew, for the James Bond wanna-

be. (And really now, who wouldn’t want to BE?)

Bernie envisioned iPad tablets discreetly positioned throughout the property, all within easy reach, as a moment might mandate: Dim the lights with a finger swipe; command a 3D plasma TV to descend from the ceiling at the touch of a button; call up thousands of songs or movies, from any corner of the house, to create just the right

mood for your guests.

But this James Bond fantasy was never meant to be just a fantasy. Today, Bernie’s vision is a very real—and really amazing—ski chalet, part of One Chalets’ collection of luxury rental lodges. Undoubtedly Asia’s most exclusive Alpine address. The zenith of world-class ski accommodations. And despite its fantastical features, it’s powered not by James Bond gadgetry, but by one very robust Control4 home automation system.

A “KILLER IDEA” WITH INTERNATIONAL INTRIGUE

Luxuries aside, one mission that absolutely had to be accomplished in the building of this chalet was what Bernie calls “intelligent sustainability.” “The goal was to shrink One Chalet’s carbon footprint and minimize power wastage,” he explains.

Enter The Automated Lifestyle Pte Ltd, a Singapore-based company that provides a full range of automation and control solutions for hotels and homeowners alike. But hang on... from Singapore?

Indeed. Bernie looked all over Asia Pacific for a suitable installer before deciding on The Automated Lifestyle. Much like Bond’s own Q, a team of specialist engineers were flown in from Singapore on six different occasions and spent more than four weeks wiring the house to be the next generation of home automation. “We were very fortunate to work with them,” said Schiemer. “Nothing was too much trouble for them and they greeted each new challenge with enthusiasm.”

“We understood his vision,” said James Chan, Technical Director of The Automated Lifestyle. “And environmental sustainability is a

PHOTOS: ONE CHALETS



subject close to our hearts. We were excited to dive in.”

And a very deep and most vivid dive it was, as this chalet found itself featured in an Italian lifestyle magazine before its owners had even moved in. “We are really proud of the end result,” said Esther Wong, Marketing Director, Automated Lifestyle. “How everything works together seamlessly. And how our installation did more than just deliver the ‘wow factor.’”

LIVE AND LET AUTOMATE...

Thanks to the programming power of Control4, the system also turned up (and down) the heating and cooling—automatically. Hakuba is known for its extreme weather conditions. Not just freezing winters, but sweltering summers, so this was a big deal for Bernie.

“The automation of the blinds, lighting and heaters optimize light and heat in the house, through every season,” explains Esther. “Of course, all this would not have been possible without Control4.”

In fact, the Control4 system is so user friendly, the owners themselves programmed all 30 blinds to operate on their own throughout the year. “We program our comfort settings at the beginning of each season and let One Happo do the rest,” said Bernie. Each blind lifts or drops at a designated time every day, and at different schedules for each season. On top of that, air-conditioners and heaters are programmed to turn off whenever optimal temperature is achieved, which translates into savings, no matter what the season—a major coup in these parts of the world.

But don’t think for a nanosecond that the system could ever control the owners: “We travel a lot and



The expansive wine room, including multiple bottles of Dom Perignon, is climate controlled by the programmed shades, which open and close accordingly—and automatically—all year long.

are often away from home, so while on one hand we wanted the home automation to manage a lot for us, on the other hand, we wanted the ability to override the system at any time. It was critical for us to be able to control just about everything in the house, from anywhere in the world,” Bernie continues. “It just makes sense.”

“And the feeling of arriving home after a long journey to a toasty house when it is minus 10 degree Celsius outside is amazing,” adds Bernie.

THE SPA THAT LOVED ME

Undoubtedly, One Happo showcases the absolute cutting-edge in hi-tech home automation that makes it easy to “go green,” but James Bond would never sacrifice luxury. To that end, you’ll find plenty of automation touches

designed especially to dazzle and delight.

“The house is a private residence, but we do open it up for selected rentals for about 6 weeks over the ski season,” explains Bernie. “We want everyone who stays here—ourselves, guests, friends or family—to have an amazing experience.”

The Experience—and yes, we’ll capitalize that E, thank you—starts the second you wake up, not to a shrill alarm, but to the gentle sunlight let in by the automated blinds, followed by the music of your choosing to rouse the senses before the TV kicks in with the morning news.

The music, by the way, can move with you to any part of the property—to the gym, bedroom, dining room, the viewing deck... With one tap on a touch screen, you can access a media library including thousands of movie

and music titles—something to suit even the most discerning entertainment enthusiast.

On the ground floor is a huge state-of-the-art gymnasium, a far-infra-red sauna and an 8-person onsen that faces out onto the Happo mountain. And why, yes... it is automated to shut off when optimally filled—and to clean itself once you’re suitably soaked.

Up one floor, in all five bedrooms, you’ll find a 3D plasma screen that descends from the ceiling at your command. Tap on the iPad next to your bed and you’ll turn the same TV into an Apple MacMini-

powered computer where, perhaps after a long day on the slopes, you can check your email or browse the web. That same iPad will let you control blinds, lighting, under floor heating and why, look... there’s a one-touch button option called “Duvet Day,” which will automatically close the blinds and lower the lights, creating just the right atmosphere for those times when all you want to do is enjoy a good old-fashioned hibernation.

On the third floor, western red cedar, black granite and glass frame a perfect version of paradise looking out over the Happo



Ah, the panoramic view from the state-of-the-art gymnasium alone is bound to get any blood pumping!

mountain. Cook in the kitchen, relax at the marble bar and lounge

Q&A WITH OWNER BERNIE SCHIEMER

Q. Tells us about the control features you’ve incorporated into One Happo.

A. We’ve gone for a combination of the ‘functional’ with the ‘fun’. Functionally the roof, driveway and ground heating are all managed through an automatic snow sensor management system. This has eliminated the need for any snow clearing, which was previously a big expense and headache for us. We have also automated the blinds for energy management, lighting controls (we set all lights 80% capacity), which not only lowers electricity demands but extends bulb lifetimes by up to 300%. We implemented a comprehensive security system, plus the floor heating and air conditioners all turn on/off at preset times and/or temperatures to further enhance the energy efficiency of the house.

As for the fun, we have large LCD screens that retract from the ceiling of each room, via iPads or touch-screen. Guests have jokingly called these the Playboy televisions, and they never fail to be impressed. An eight person hot-tub which fills, heats and cleans itself; iPad manipulated lighting and media (audio and visual) throughout, and a gymnasium with internet access on each cardio machine, great for checking emails on your morning workout.

Q. What are your favorite features?

A. From the point of view of someone who needs to travel on business frequently, I appreciate the world-class security system we have in place: a network of cameras, plus the option to receive an text to my mobile phone every time someone enters, which is great if I’m not there and/or my

family are. The peace of mind this brings is invaluable to me. We have hundreds of on-demand movies and thousands of songs available at the touch of a screen so there’s never a dull moment. Again, this is a feature that guests love.

The far-infra-red lamps on our top level deck doubles our living space during the Winter months, we can sit out there comfortably warm, with the direct view of the Hakuba Olympic ski slopes directly ahead, controlling music playlists from our iPads... a pretty cool experience and something I don’t think we will ever get bored with.

Q. Now that you’re moved in, what’s the final word?

A. Amazing! We look forward to going home. Through all of my research into home automation there is simply nothing like this in the world. We love it!

PHOTOS: ONE CHALETS



A heated outdoor deck on the third level keeps you comfortably warm even in the chilliest winter.

in the living area by the fireplace. Or, for that matter, outside on the sprawling deck: Far-infra-red

heat lamps, also connected to the automation system, will keep you terrifically toasty as you breathe in

the fresh mountain air—and sip a cocktail—wearing only a sweater.

MAKE YOUR SCENE

And then, there was light. Easy control of the LED lights gives you quick and convenient access to lighting control with one-touch buttons that turn off groups of lights with a tap on an iPad or touch screen. Turn off the entire house on your way out the door. Or, if you've already found yourself comfortably tucked into the 600-count Egyptian cotton sheets, no problem—turn off the lights two floors down from exactly where you are.

And just as every hero brandishes his or her own signature style, every One Happo visitor can customize his or her guest experience by choosing a “mood”

PHOTO: ONE CHALETS

from a menu of pre-programmed environment scenarios. Want to get the blood pumping for a day on the slopes? Press “Party.” Ready to unwind after chasing the bad guys? Opt for “Cocktail” and all you have to do is pour the martinis. There’s also “Cook-Along” if you’re ready for a culinary adventure in the fully equipped kitchen, including three ovens, two refrigerators and why yes, the wine room, featuring more than 700 imported global wines, from iconic to boutique labels.

So whether you truly are an international jet-setter with a briefcase full of disguises, or just a regular person who enjoys nothing less than the best, the One Happo home is a must for your do-or-die list. Between the majesty of the mountain, the magnificence of the house, and the cutting-edge high-tech system, a stay here is bound

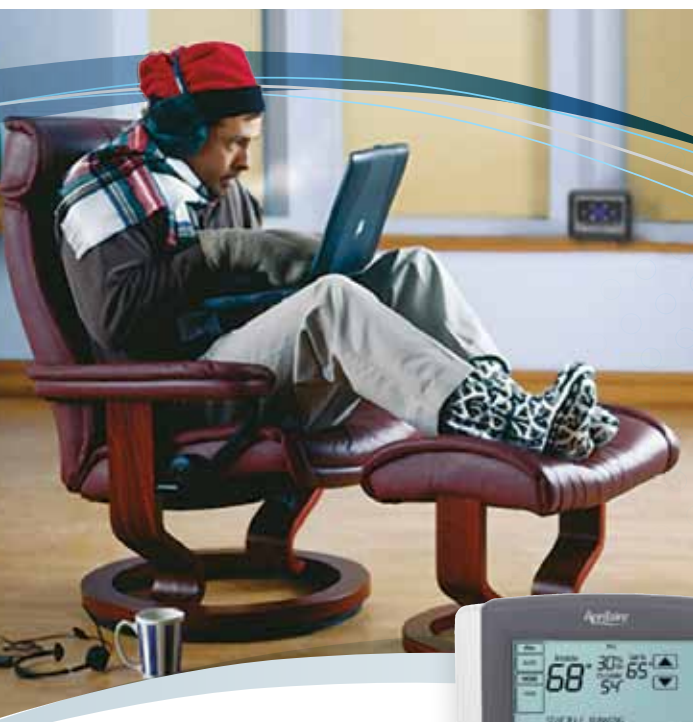
PHOTO: ONE CHALETS



Entertain with elegance and ease. A one-touch button titled “Time to Dine” will set the perfect scene.

to leave you stirred... never shaken. For more info on One Happo, visit onechalets.com. And for more info

on inspiring automation solutions, check out www.automatedlifestyle.com.sg. ■



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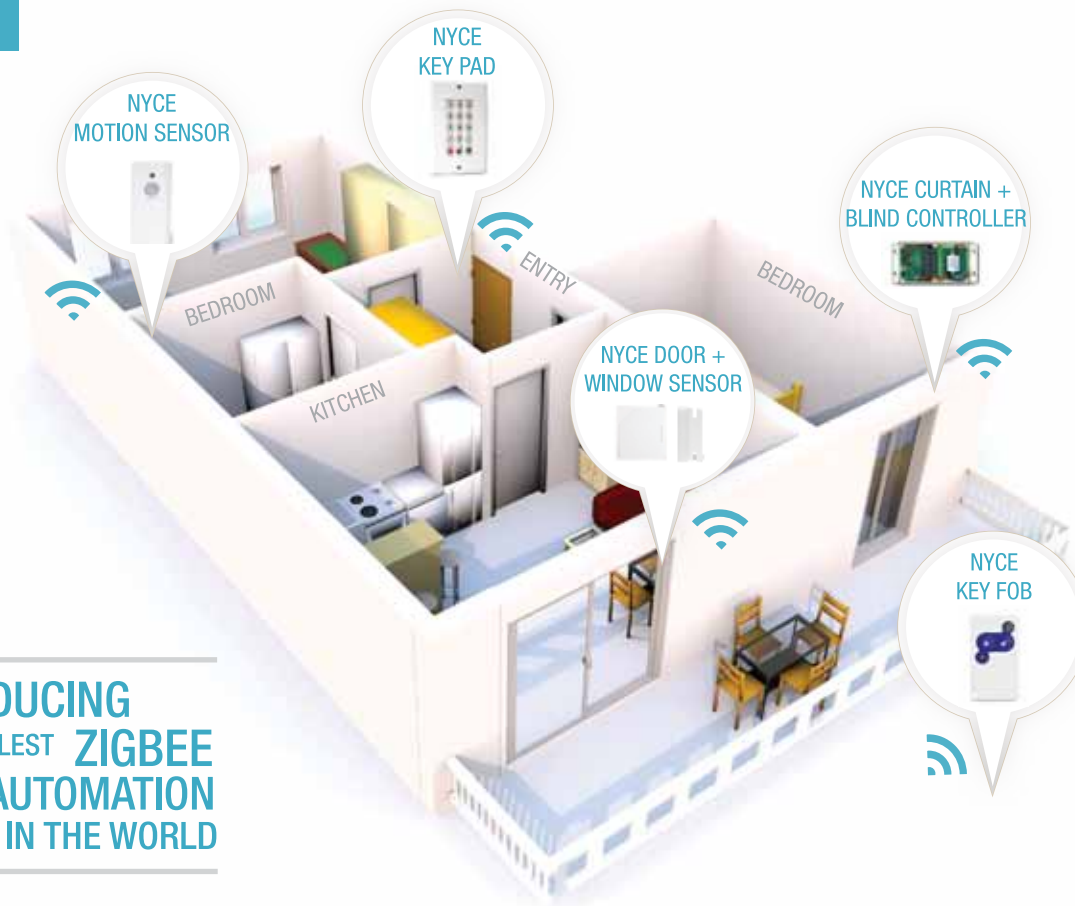
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Mixing it up in SLOVAKIA

This amateur DJ has gone pro with automation—right down to the iRobot vacuum cleaner

In Slovakia, home automation is still uncommon, with a few exceptions among the younger generation who are friendlier with technology. Case in point: Juraj Klucka is a 30-year-old who works as a financier by day and moonlights as a DJ by night. While he someday may be headlining bigger venues, right now, he mostly plays at the parties he hosts at

his place. So, naturally, when he had a Control4 system installed, automating and integrating his music was a top priority.

Control4 dealer Martin Husar, the director of Dibon S.R.O. in Ulany nad Zitavou, Slovakia, knew exactly what to do. He installed a multi-room system that controlled everything from the heating to the blinds,

the 30 lighting circuits, the fireplace, the intelligent vacuum cleaner and all the audio and video devices including the DJ console. Along with Control4 technology, Martin used Tecomat, Foxtrot, an Integra receiver, a Samsung 50" plasma display and an LG clima.

Juraj can now control everything from his remote control, touch panel, iPad or iPhone. With one command, he can activate several modes, ranging from "relax" to "party" to "cinema" to "clean," all creating a corresponding ambiance with preselected lighting, heating, music, fireplace—or the Roomba iRobot vacuum cleaner that starts up in "clean" mode. Another nice touch is when Juraj gets home: With a single command, the hallway lights automatically come on and the television flips to his favorite station.

Naturally, music can be had and controlled just about anywhere in the house. The DJ console is integrated into the system, so that the music booms in every room



Because the DJ console is integrated into the control system, it's easy to pipe music into every room during a party.

during a party. When Juraj is taking a shower, the system automatically runs his favorite radio station. When he is using the bathroom—same thing (and the room automatically ventilates when he is done). When he turns the music on, the volume on his 5.1 sound system is at the perfect level, regardless of how loud it was left at the night before.

"He uses the full potential of the smart house," remarked Martin. "He likes new technology and like to show it off, so he was very excited about this, especially how easy it was to use everything." ■



PHOTOS: DIBON S.R.O.

A "Clean" button kicks on the iRobot vacuum cleaner so that the kitchen floor is left spotless post-party.

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“Very comfortable and high tech.”



These were words shared by one impressed traveller on Trip Advisor. “Very plain and simple,” documented another about the in-room control system, delighted that even she “could understand [it]!” In each room at 45 Park Lane, Dorchester Collection, a Control4 system gives guests the ability to control lighting levels, room temperature, music, wake-up calls and more. “When guests open the door to their rooms, the lights will gradually come on and the drapes will open to spectacular views of Hyde Park,” said Mark Campbell, Park Lane’s CIO. “Our intention was to offer a very personal automation experience for each guest.” Job well done!

PHOTOS: DORCHESTER COLLECTION

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