

Create Automation

Loxone's home & building automation magazine

Nº2
2020



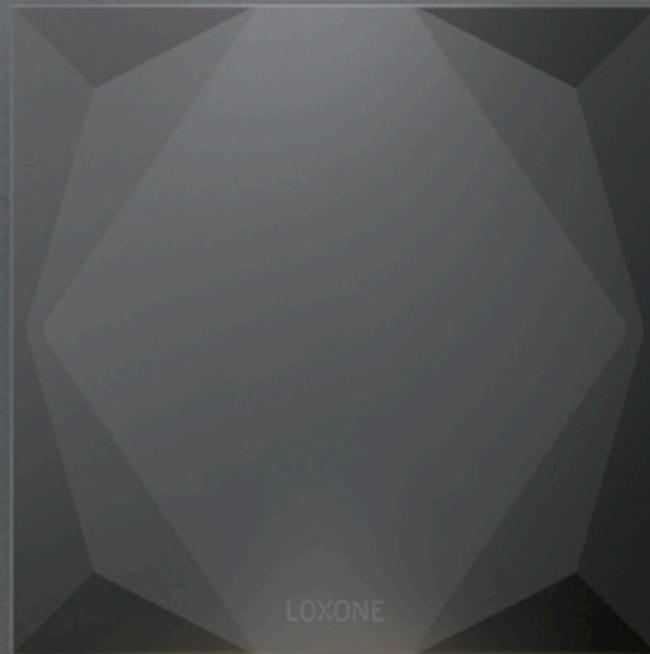
**Smarter living
in any building**

A house that
looks after itself

**Tradition brews
with innovation**

The Loxone
Experience Tour

Our most beautiful product. You'll rarely use it.



Touch Pure Anthracite

Control lighting, blinds, music and more.

Pictured in actual size.

Loxone takes care of most tasks in a building relating to comfort, safety and energy efficiency. This saves you up to 50,000 tasks per year and gives you back the irreplaceable: time. Time for all the things that you do for joy, not out of habit.

loxone.com

Create Automation

LOXONE

Martin Öller & Thomas Moser



» It's all about the sense of well-being when technology can perform numerous tasks daily. Without extra effort, I get back more time and peace of mind having everything under control.«

Introducing you to your new source of inspiration for a simpler lifestyle with technology: Create Automation Magazine!

The world of Loxone is not anything like your typical control system. It's the advanced solution for simpler control and intelligent automation for projects of all types and sizes.

The proof lies within more than 120,000

» With Loxone, we're able to share this unique comfort with the world.«

Loxone projects. No matter the style of building, there's a personalized solution

for any classic smart home, ultra-modern office such as Red Cross Headquarters in Barcelona or even one of the world's oldest breweries in Austria. We strive to enrich our lives with a new sense of comfort, security and energy efficiency. This deserves to be shared with the whole world: **Create Automation!**

We hope you enjoy browsing beautifully automated buildings, inspiring experiences, informative articles and much more within these very pages.

Martin Öller, Founder

Thomas Moser, Founder

Create Nº2 Automation 2020

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Light. Feel the energy.

Lighting brings a vital energy to your home, with the ability to completely change the look and feel of a room. Here, we'll share tips on creating fully functional lighting to light up your life in a whole new way:

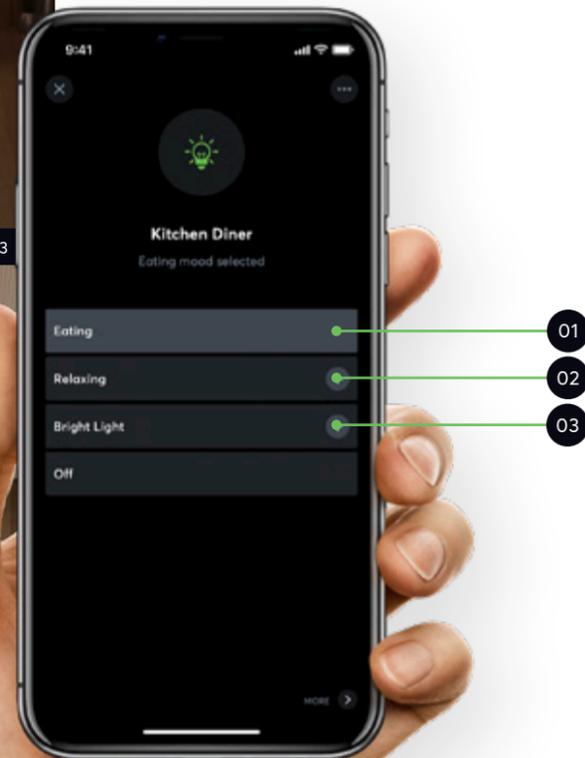




01
02



03



01
02
03

Plan in good time

In any house or business, lighting not only fills the room, but also helps fulfill our well-being. However, lighting design can be easily overlooked in any new build or renovation project. But you can certainly plan ahead and consider lighting design in the early phases of planning. This can save you from trouble in the end and from high costs that arise.

Design lighting to enhance every moment

You can get strategic with your lighting by adjusting it to suit any moment or task. Create individual lighting scenes by combining a range of lighting fixtures with different light intensities and colors. For example, easily transition from a brightly lit surface for preparing and cooking food to an atmospheric glow for dinnertime.



LED Ceiling Light



LED Pendulum Slim

Our tip: optimal lighting for office

Office work can be made easier with the right lighting. It can have a direct influence on performance and motivation. By strategically using a combination of direct and indirect lighting sources, you can adapt the space to the workplace and working needs.

Indirect lighting

Lighting that gently fills the background can be considered indirect lighting. This type of lighting will appear softer without casting harsh shadows. This creates a feel-good atmosphere. Our favorite light source to achieve this effect is LED Strip lighting.

Making the right choice

Task lighting & the basics

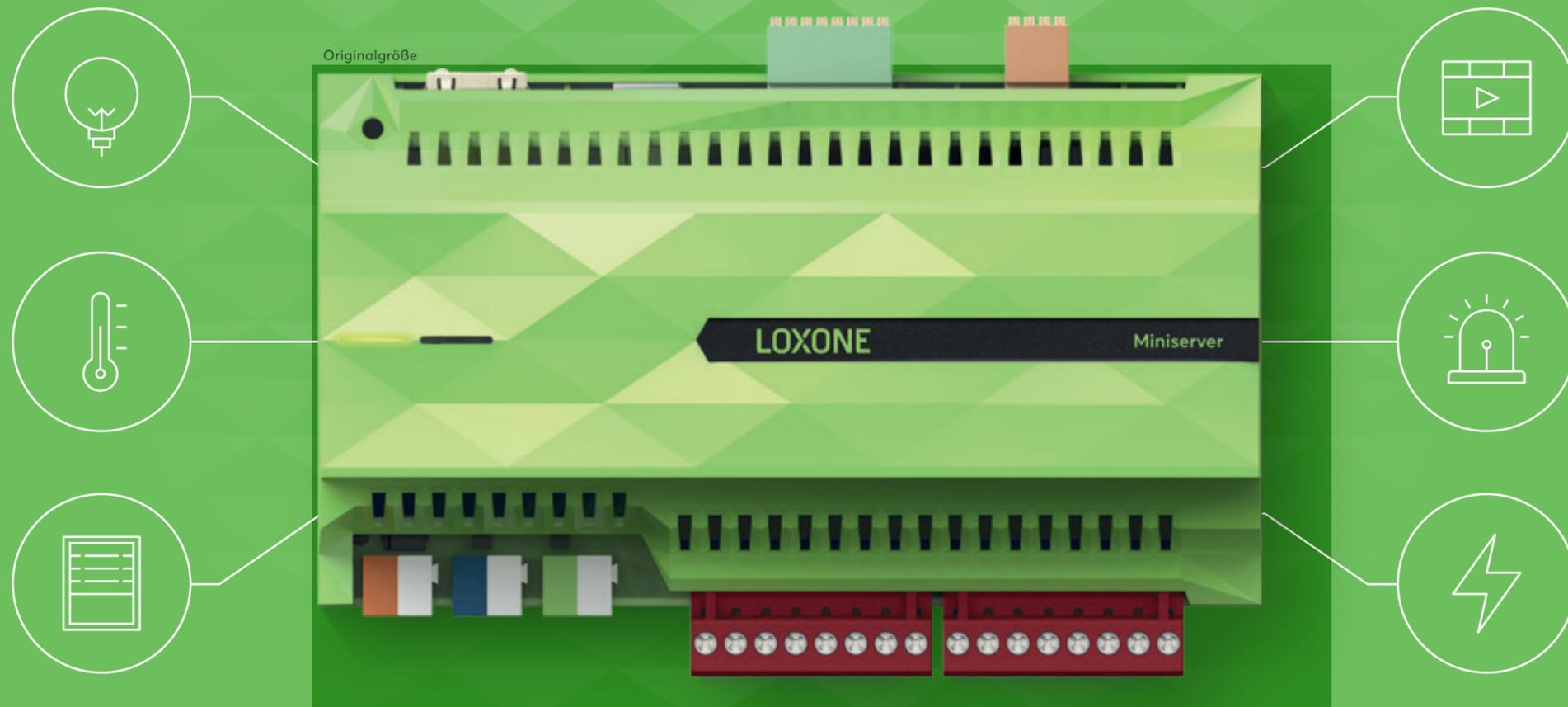
To achieve your basic lighting requirements and working needs, we recommend a comprehensive lighting system that can be controlled to vary in brightness. Get started with Loxone LED Spots and Ceiling Light for design that meets high functionality.

Accent lighting

As the finishing touch to the best lighting design, we recommend setting accents in select locations. Pendant lighting, such as our LED Pendulum Slims, are well-suited for this task. They create islands of light that draw your eyes to highlight specific areas. ■

LOXONE LED-LIGHTS

- ▶ Pure, timeless design
- ▶ Warm white and colored light
- ▶ High luminosity
- ▶ Highlights a specific area
- ▶ Continuous, smooth dimming
- ▶ Easy installation



Loxone Miniserver

The brain behind automation projects

Loxone connects all components of the intelligent building similar to the human nervous system. All strands run to the central control, the Miniserver. This enables communication between devices to create automation of tasks relating to comfort, safety and energy efficiency. This process remains true for smart homes, commercial properties and a wide range of special applications.

Lighting mood for every moment

With customized lighting moods, you can create the right atmosphere at any time. Combine various fixtures with different colors and light intensities for endless possibilities.

Activate the lighting scene by simply tapping a Touch switch or right within the Loxone App.

Regulate temperature room-to-room

Choose to keep a comfortable 70° in the living room while the bedroom remains a cooler 65°. Or in an office space, keep a constant 68°.

The Miniserver has the learning capacity to maintain the heating & cooling needs for each room.

Shading thinks for itself

The Miniserver even knows how to control shading depending on position of the sun or wind conditions.

During summer, blinds will operate to block the sun to prevent overheating rooms. While in the winter, the blinds will operate to let in the warmth from the sun to help heat the rooms.

Experience music in new ways

No matter the scenario, you can choose the right music or variety of audio to enhance the experience. Wake up to your upbeat playlist or cook with your favorite podcast playing. You can create a different audio experience in every room.

Multi-room audio offers possibilities such as a doorbell, alarm siren and much more.

All-around protection, any time of day

At night, the Miniserver doesn't rest. It helps watch over the building and people safe inside. You can rely on protection around the clock.

In any case of an intruder, the system puts up a defense and informs you immediately by push notification, email or voice announcement.

Energy management with the highest IQ

The Miniserver puts the brakes on high energy costs. Make the most of solar heat, cut off unused power guzzlers and use stored energy in the most efficient way possible.

With the combination of a PV system and intelligent load management, you can fill up an electric car at zero cost to you.

ONE HUNDRED THOUSAND

Situated in Spain's distinguished Catalonia region, the 100,000th Loxone project makes a humbly significant statement. After 10 years, Loxone continues improving lifestyles worldwide by true automation. See how this Catalonian smart home meets all expectations of the Real Smart Home vision since day one...





With the Loxone Intercom, the family keeps an eye on visitors outside their door at any time from anywhere.

The construction of the building begins with high-quality wood with both excellent thermal and sound insulation. With the intelligent integration of a small pellet stove, minimal heat is needed to maintain a comfortable temperature inside when the outside temperature drops.

Optimal room climate

The ventilation system will know to kick on only when necessary. If a window is left open, sensors will communicate this information to the system which will then know to deactivate. Blinds also play a role in effortless heating by raising to make use of the sun's warmth. Or in the summer, blinds can lower to prevent the harsh rays from overheating the room.

Convenient operating modes

Life is made easier as the house adapts to everyday situations. For example, the house can activate an Away Mode as the last person leaves. This means the following will happen automatically once triggered by a triple-tap of a Touch switch:

PROJECT DETAILS

Location	Espinelves, Spain
Year built	2019
Living space	3,400 ft ²
Property size	20,000 ft ²

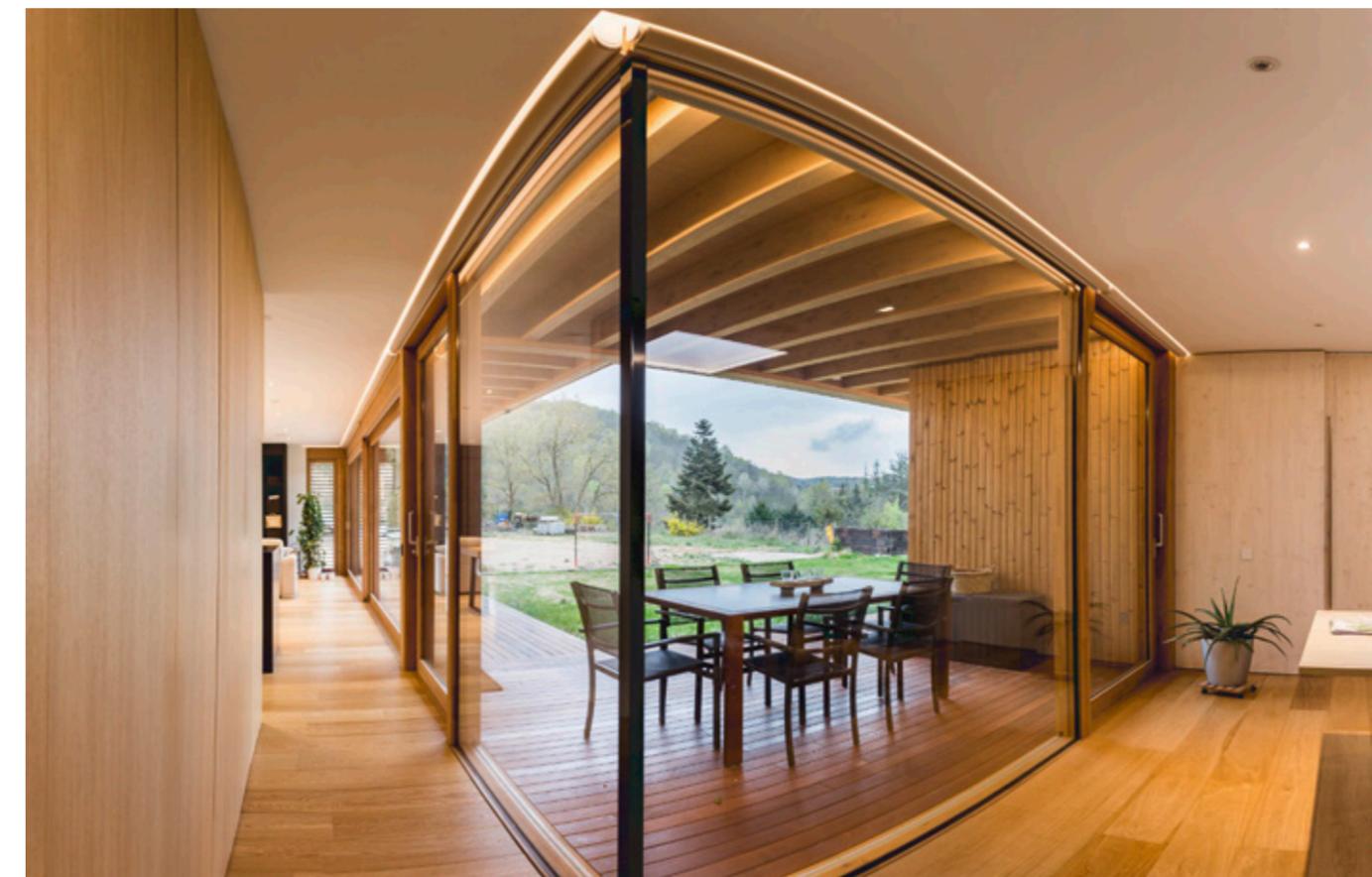
Meet the Creixan family. Their goal was to achieve the highest comfort possible for their new smart home. Family time is important to them, so these precious moments last even longer now while the home takes care of itself.



garage door closes, alarm is armed, heat & cooling efforts kept at minimum and all lights turned off. Similarly, Night Mode goes into effect when the last person goes to bed. The house will make sure everything is shut off for the night, leaving room climate efficiently controlled and security system on guard. If someone needs to get up in the middle of the night, a gentle blue light guides the way to the bathroom, for example, without being too harsh on the eyes or disturbing anyone's sleep.

Special audio experience

Another unique feature is the multi-room audio experience from room to room. Depending on the time or situation, the family chooses their favorite music for each room. Fortunately, Loxone offers many functions that are unthinkable for a traditional house. Seen in 120,000+ Loxone projects, today's living standards can be met and exceeded without costing a fortune. ■



Smarter living in any building

Beyond single-family homes, Loxone technology is a perfect match for large-scale residential and commercial properties.

Learn how smart technology is becoming a standard in every type of construction project, explained by Loxone CEO Rüdiger Keinberger.



Rüdiger Keinberger, CEO



» Ten years ago we started revolutionizing the world of home automation with the Miniserver. Today, it can handle the same tasks related to comfort, security and energy efficiency in buildings of all types and sizes. We're ready for Loxone to take the leap to transform hotels, restaurants, residential buildings and more.«

What type of buildings are automated by Loxone?

Rüdiger: All types, everywhere. The technology works in apartments, houses, hotels, offices, restaurants and more. We even know of churches, football stadiums or farms that automate their premises. So far, we haven't reached any limits with the flexibility of Loxone.

Why should a property owner rely on Loxone technology?

Rüdiger: Let's take residential construction, for example. If smart home technology is installed as a standard, the value will increase along with the appeal of the property. The technology wins you over even more by its simple installation. Plus, property management is simplified and the building is protected.

Residential units may have similar needs to smart homes, but what about offices?

Rüdiger: Any office can be fully automated, as each of our branches demonstrates. The environment has a strong impact on the performance of the employees. With the Loxone technology, the air quality is constantly monitored and refreshed. Especially with automated lighting, it helps support productivity. There are other benefits when it comes to access control, alarm systems or energy management.

Is there a unique benefit that Loxone can play especially in large projects?

Rüdiger: In large construction projects it is crucial to work as efficiently as possible. With Loxone, the integrator can do much of the programming and other preparations beforehand while in the office. On the construction site, all that's left is wiring up and then putting it into operation. With our Tree

technology, you can save significantly on wiring. All of this combined increases efficiency.

How many properties are automated by Loxone?

Rüdiger: Loxone is installed in more than 120,000 projects worldwide. Residential and commercial properties are currently our biggest growth segment. Last year, 700,000 residential units were built in Germany in residential construction. This is our next big target. ■

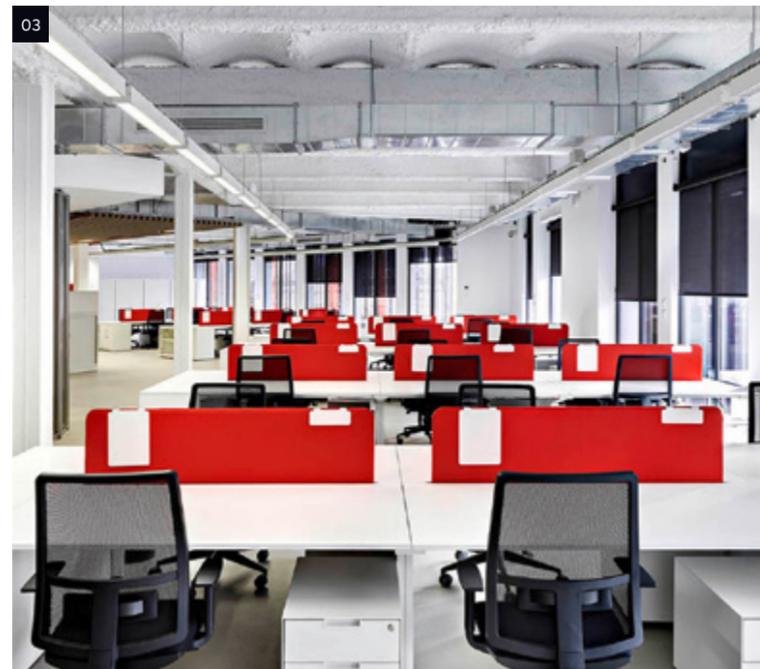
Image: The headquarters of Träumeland, the leading manufacturer of baby Mattresses located in upper Austria. The Loxone technology facilitates the daily work of more than 100 employees.

No one size fits all



Red Cross Headquarters in Barcelona. Matthias Church in Budapest. Lighthouse in Sydney. Luxury apartments in Montenegro.

These are just a few examples of the flexibility and power of Loxone automation. Each project gets a completely individualized approach.



01 | The Levels

The Levels contains 152 premium apartments that make up the site's six brand new buildings. All of which contain Loxone technology as a standard. With an open interface, the flexible system gives owners the opportunity to integrate other technologies for endless possibilities.

02 | Träumeland

The Austrian company Träumeland, which translates to "Dreamland", is a leading manufacturer of baby mattresses. The company relies on Loxone automation throughout the entire office complex, including its warehouse. The system monitors energy consumption, manages a payment system for employees' food and beverages, provides access control needs in different departments and much more.

03 | Red Cross Headquarters

The project originated from the need to monitor and regulate air quality throughout the company headquarters. With Loxone, Red Cross realized they could achieve so much more. Another solution was the monitoring of water consumption, which could be automatically cut off in case of an incident. Additionally, the management team has the ability to trigger announcements throughout the building, for example, during an emergency.



04 | Hofstetten Brewery

In one of the oldest breweries in the world, a range of automated tasks is taken care of by the power of seven Miniservers. Lighting control, temperature regulations, crucial health and safety monitoring features and more. Even the conveyor belt is controlled by Loxone, knowing when to stop before it becomes too full.

Tip: The brewery specially brews Loxone Beer, which is always available at our Loxone Basecamp. ■

Hofstetten Brewery

Tradition brews with innovation

One of the oldest breweries in the world, established in 1449, the Hofstetten Brewery in Austria has been operated with Loxone technology since 2015.

Regulated temperature for best results

For any type of beer, temperature plays a key role in the brewing process. Therefore, temperature control must be as precise and reliable as possible. A task well-suited for Loxone technology. For example, the barley silo will always rest at a constant 50°F, while the beer tanks remain at a cooler 36.5°F.

Protecting the grains & the employees

During any chance of abnormal temperature change, a push notification will be sent out to inform the management team and the brewmasters. They can choose whether to disarm the alarm or take further steps for protection. This

PROJECT DETAILS

Location	St. Martin in Mühlkreis, Austria
Founded	1449
Miniservers	7 (Gateway/Client)
Beer varieties	23 (as of Nov. 2019)
Loxone Partner	Gahleitner GmbH & Co. KG



» Not your typical large-scale project. The flexible Loxone system solves every requirement. We no longer need multiple systems to take care of the same tasks.«

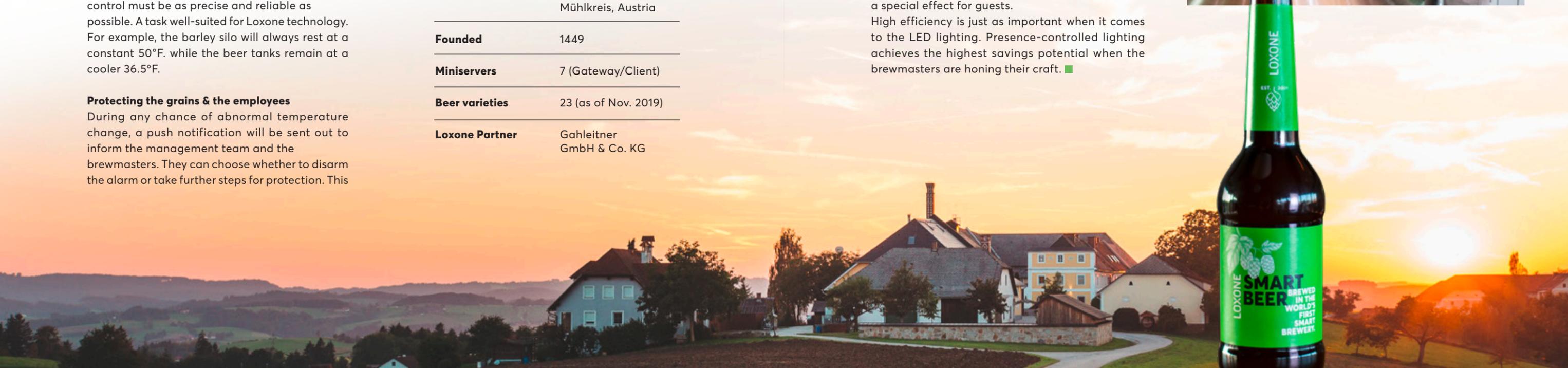
Hans Joachim Gahleitner, Loxone Partner

is especially important for employees' safety as it is for the grains. In case of an emergency, such as a fire, an alarm will go off throughout the building.

Brewhouse transformation

In September of 2016, the brewery opened its doors to a whole new brewing environment. Since then, LED lighting has played a role in providing optimal task lighting for everyday duties and dramatic lighting for special events. Even the exterior lighting creates a special effect for guests.

High efficiency is just as important when it comes to the LED lighting. Presence-controlled lighting achieves the highest savings potential when the brewmasters are honing their craft. ■



In our DNA: Create Automation

"It's not the size that matters, but what's on the inside that counts." – This statement speaks truly to Loxone technology.

Whether it's a two-bedroom apartment, a family home, an office or even a hotel complex, there is a Loxone solution for it.

The goal: buildings that know what to do by themselves

In a time when a car knows how to park itself, we believe that a building should be able to take care of tasks related to comfort, security and energy efficiency. By taking care of everyday tasks automatically, an automated building could give back time to people.

Understanding "smart" technology

Surrounding today's new technology gimmicks and distractions, we focus ourselves on people and their lifestyles. How does technology influence lifestyles? How can we help improve people's lifestyles, while technology remains in the background?

Unfortunately, the topic of automation is often misunderstood. Many people wrongly associate it with common "smart" technology that actually compromises its functionality. It's easy to fall into this technology trap, thinking just because something is possible, we should be using it in our daily lives. We firmly believe this is not the case. Loxone is taking a different approach that simplifies technology and lifestyles.

The evolution of building automation

Examining the history of building automation, we categorize it into three periods:

1.0 || The Bus System Era:

In this period, the home relies on many buttons and switches. Essential functions, such as lighting, rely on manual control.

2.0 || Technology Overload:

This period is known for apps and voice commands. At this point, technology competes with the lifestyle. Operation of the home could be more efficient.

3.0 || True Automation:

Here, the building knows what to do by itself. The goal is to take care of many tasks for people to save them time and give them comfort. ▶



**Auto-
mation
1.0**

Bus System
Era.



**Auto-
mation
2.0**

Technology
Overload



**Auto-
mation
3.0**

True
Automation
begins!

One complete ecosystem instead of individual products

Loxone offers many possibilities for integration of products and solutions that can work together. For example, this could be the connection of any device in the network, an HVAC system or lighting fixtures and much more. Free scalability and flexibility of the system opens up possibilities for buildings of any type or size.

The stability and reliability of a Loxone solution is fundamental to us. This is why, for every type of application, we specially developed our own products. For example, this could be LED Spot lighting that brightens up a room in your presence or the Loxone Music Server that knows just what playlist you want while cooking. This enables us to not only create a unique overall experience, but also guarantees a smooth interaction of all components for many years to come.

Designed for life

No matter the Loxone product or software, it is designed to perform reliably for years to come. At a time when one trend chases the other, this future-proof benefit is hard to find. But at Loxone, it forms the foundation for each new software version as well as every selection we make in the materials and design of every product.

For example, the Miniserver, as the "brain" behind every Loxone solution, has no moving parts and is designed to work every second of every day.

Simple standards and recommendations

Based on our experience of over 120,000 Loxone systems installed, including experience within our own everyday lives, we have developed clear and simple standards and recommendations.

Out with the complicated switches

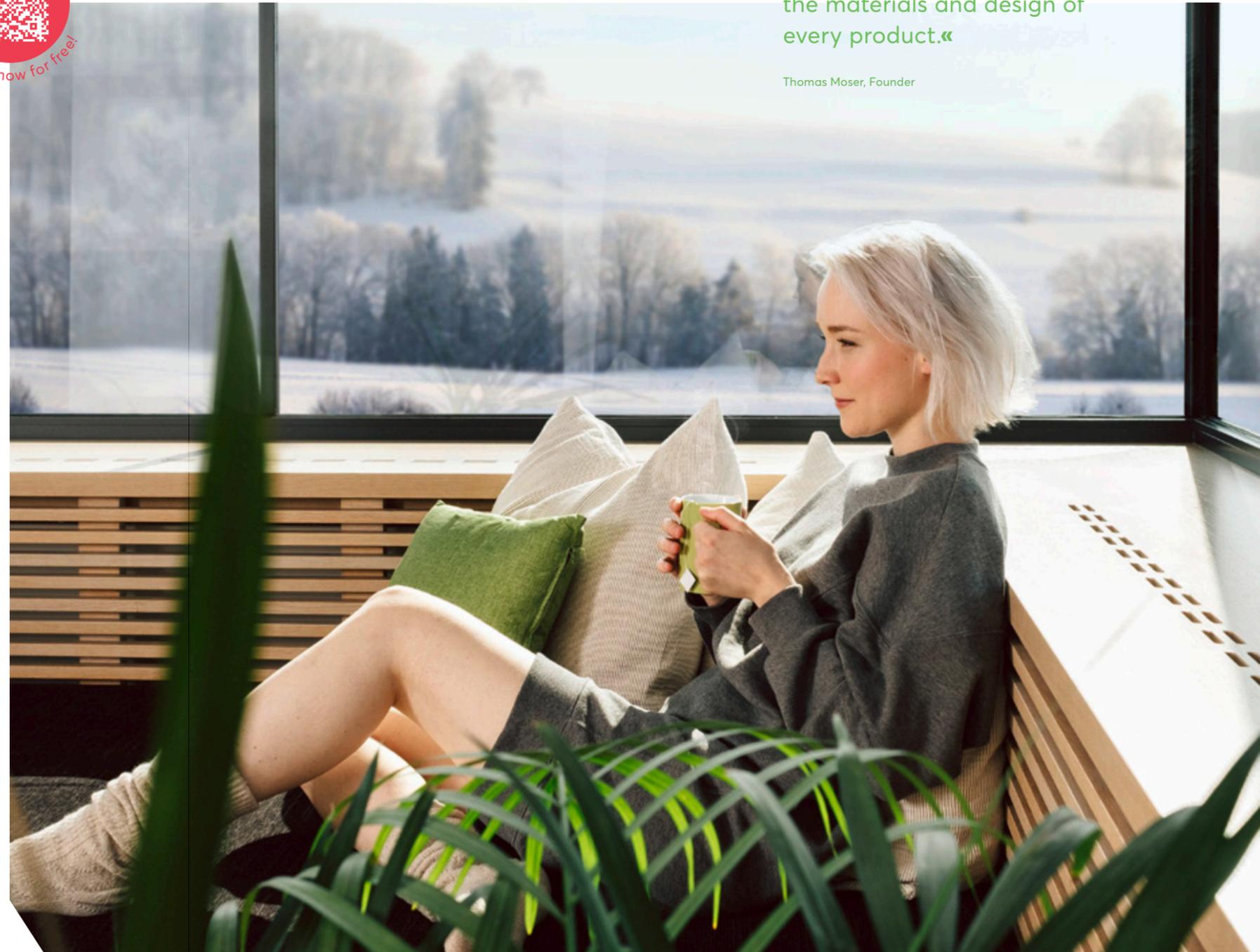
This idea is transparent in thousands of Loxone projects every year. We can easily tidy up the walls by removing the chaos of complicated switches. Instead, this brings intuitive control across all rooms.

This concept not only makes life easier, but also makes planning more straightforward. Previously, the question of how many switches needed was always answered with the look of confusion. In most cases, people overestimate, resulting in rows of complicated switches. We are putting an end to this.

Loxone takes over the need for so many switches by handling tasks automatically. However, when your needs do change, you can still manually control essential functions with just a tap on a Touch switch or within the Loxone App. ▶



A tour of our Loxone Experience Center will properly introduce you to the world of Loxone automation. Tours can be done in-person or video. Register now at: loxone.com/experience



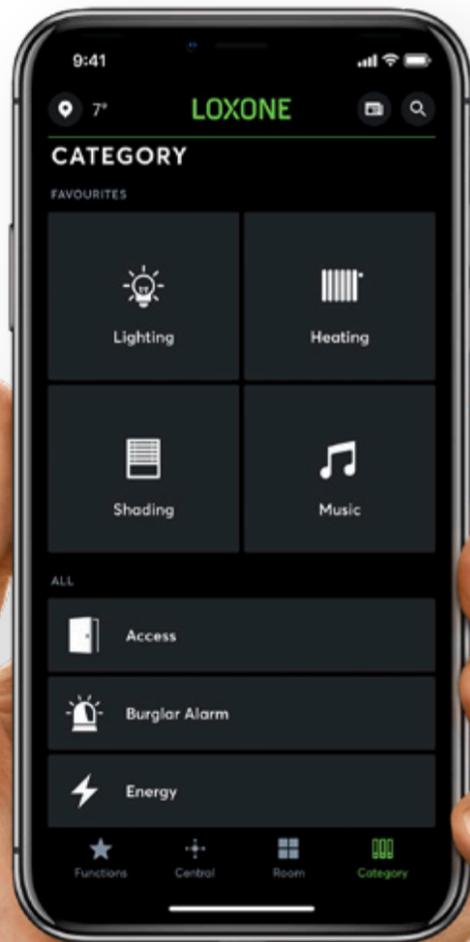
» Designed for life.

This philosophy is the foundation for each new software version as well as the selections we make in the materials and design of every product.«

Thomas Moser, Founder

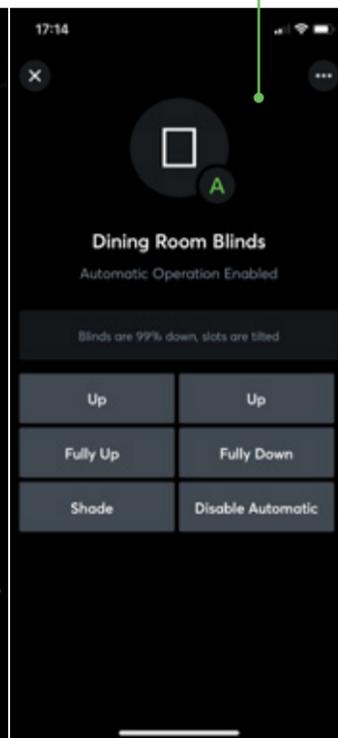
The Loxone App

Loxone relieves users of daily tasks and thought processes by simply taking care of them automatically. However, there may come times when your needs change. For that reason, control in the Loxone App is available at no extra cost.



Music
Choose your favorite playlist or streaming service to play in any room. Each room can create a different experience with the Music Server and Loxone App.

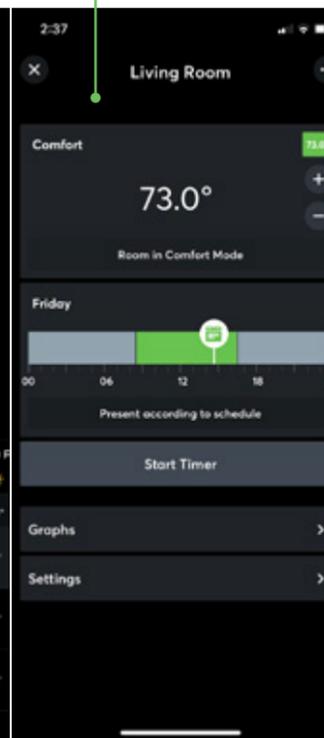
Shading
Right in the Loxone App, you can raise or lower your blinds, awnings or curtains at any time.



Weather
Connected with the Loxone Weather Station and Weather Service, you get precise weather data and forecasts for your exact location.



Temperature
Forget outdated thermostats. In the app, you can schedule heating and cooling times and specify a temperature for each individual room.



Access Control
See and speak to any visitors at you door directly through the app. Missed a visitor? Check the stored photo in your app to see who was there.



Push Notification
Door bell rang. Sauna's ready. Burglar alarm triggered. These notifications and more can be sent to you free of charge. You have control of what notifications you'd like to receive.

» We wanted to change the world.«

Martin Öller



Today, Thomas Moser and Martin Öller reflect on how it all began in their own homes. With a desire to make living more comfortable and make a positive change in the world. Now, people can get back the one thing that is irreplaceable: **Time to enjoy life.**

For over 10 years, you've been creating automation with Loxone. How did it all begin?

Tom: Officially, it began 10 years ago. But unofficially, it all started long before that. We were working in a basement to find the solution that, today, makes thousands of people around the world happier.

Martin: As an experienced technician, building a house at the time, I thought I needed a system that was state-of-the-art. I soon realized that this didn't always mean that it would contribute to quality of life. Despite the latest technology, I had a house that was still "stupid". This needed to change, and that's how Loxone was born.

What was your goal

Tom: We wanted to change the world (laughs). Sounds silly, but it was never about money. Economic success is merely the confirmation that we are doing the right thing. We are often compared to start-ups, wrongly so. Right from the start, we wanted more than an idea. We wanted the real deal. Our goal is to improve quality of life step by step, and to do so sustainably.

What types of challenges did you face?

Martin: We are united by fundamental values, especially toward our customers and employees. But the beginning was still difficult. I remember all too well the decommissioned village hall building which held our first company headquarters. A crumbling facade, leaking windows and creaking floors. Many of the past job applicants may have wished to turn back at the time (laughs).

Tom: The funding phase put us to the test. Actually, the beginning was a continuous thunderstorm with danger of flooding. We were refused financing

from the bank. However, we overcame that. It is still a milestone for me today that we are free of investors and external shareholders. We enjoy being free to decide what to do. This freedom is part of our recipe for success.

Are there any moments that you look back on today?

Tom: Christmas 2009, when the light shone for the first time in my home thanks to the Miniserver, the "brain" of the system.

Martin: Also in 2010, when our first Loxone product was sold.

Tom: Wow, yes. The beginning was very exciting.

Martin: We were always accompanied by friends and family who were supporting us all the way.

Tom: Yes, we were often viewed as if we were gambling away our homes. But it wasn't like we were trying something outside our studies that wouldn't have mattered if it didn't work. We were already in another phase of life. When we started with Loxone, it meant something for us: to be or not to be.

"To be", as it is for you now, must be challenging.

How do you make decisions?

Martin: If we made average decisions, we would have average products today. The biggest enemy is, and remains, mediocrity. There is this saying that has shaped me: "You should be grateful for what you have achieved, but that satisfaction is a danger. Only when you make unconventional decisions do you get a really promising result."

Do your employees share this passion?

Tom: Enthusiasm is certainly part of our philosophy. We also pay attention to this during job interviews. Otherwise, it would be like a butcher putting a vegetarian behind the counter.

Thomas Moser



What do you think about today's smart homes?

Martin: The topic is still too technical. In our opinion, it's not about embellishment, it's about comfort. Do we really need a camera in the fridge? This is exactly where our products differ.

Tom: It is all about the satisfaction of automation taking mundane tasks off your hands. We provide solutions that simply improve lives at home, in the office, in hotels and anywhere else you may wish to have an automated environment – no more, no less.

How has Loxone improved your life at home?

Martin: An essential benefit: you simply don't have to deal with as much anymore. Everything functions automatically.

Tom: And the most striking thing is how little it attracts unwanted attention. Meaning no technical bells and whistles in the foreground, and no bundles of remotes and complicated switches. Only the essentials.

What do you want for the future?

Martin: For our idea of a building that knows what to do on its own to spread over the entire globe. Ultimately, it should make millions of people around the world happy because it takes a lot off their hands in their everyday lives.

Tom: We are always asked, "Where will the journey of Loxone go now?". I can only say that we're on a long journey and whenever the world thinks we can't go any further, then we really get going! ■

Complete ecosystem

Finally fulfill the dream of an all-around intelligent building with a Loxone automation solution. Get all the essentials from one source, with certainty that everything simply works and lasts as it should. It all starts with the Miniserver **1.**, communicating between all products for the most efficient operation.



2. Security

The foundation of all-around security includes products such as an Alarm Siren and Motion Sensors. You can always integrate any security products on the market.



3. Access control

Control access to your front door by simply entering a code or using an NFC Key Fob. Or if you're not present, you can always choose to grant access to your visitor right from the Loxone App.



4. Pool

Yes, you can even integrate your swimming pool. For example, this gives you convenience of automated backwash, rinse and filter cycles.



8. Lighting

Our lighting product range is constantly growing and improving for endless possibilities with LED Strips, Pendulum Slims and more.



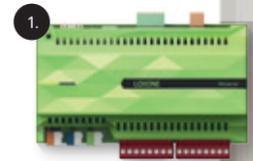
9. Multimedia

Easily control your favorite music and home entertainment devices in each room. You can create a different experience room-to-room with functionality for doorbell, text-to-speech and more.



10. Shading

More than sun protection. Blinds automated by Loxone can support heating and cooling efforts, play a role in security and also provide privacy at nighttime.



1.

5.

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1.

3.

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9.

10.

4.

5. Air quality

Sensors continuously record levels of humidity and temperature to always keep you comfortable. Controlled ventilation supplies fresh air when needed.



6. Temperature & climate control

Connect to any heating & cooling source to keep temperatures under control. Depending on several factors, the system will know how to regulate itself.



7. Energy management

In efforts to save energy, the building will know the best way to repurpose heat from the sun, disconnect power guzzlers and more.





A house that looks after itself.

Crime statistics show that a burglary occurs almost every minute. More than just a one-time event that affects our homes and families, it can have a lasting impact on our lives. The level of security in your home can be a real deterrent or prevention of burglaries.

What does Loxone safety & security look like?

On guard. Ready to protect.

A Loxone Smart Home is always on the lookout. It's a case of always being prepared but hoping it never needs to spring into action.

Imagine this: you and your family are on vacation. Your home may be empty, but it certainly doesn't appear that way to on-lookers.

Sophisticated home automation means your home doesn't give any clues to potential burglars that you're not home. While you're away, your home mimics your presence – turning lights on and off, opening and closing blinds – just as it would if you were home. By realistically recreating these actions, it's very unlikely that a potential burglar would think that no one is home. For opportunistic burglars, this presence simulation feature quickly reduces the chance that your home will be a target.

Lights, shading, action!

If a burglar does try his luck, your home will immediately spring into action – bright, flashing lights, blasting alarm tone – all in an effort to send them running.

You can't hide from me!

There are many ways a burglar could potentially find their way into your home. Whether it's through a window or an unlocked patio door. Using a range of sensors, your home will know when something seems off.

Smart Home 1:0 Burglar

If your home detects an intruder, a three-phase alarm is triggered to alert you. This gives the burglars as little time as possible to take off with any of your belongings or do any harm. ▶

Security in 4D

At a glance, Loxone covers four types of security. Your home not only protects yourself and your loved ones, but also your data privacy and the building itself. Feel safe and secure all-around.

Burglary protection: send burglars on the run

Like an invisible shield, your home knows how to scare off intruders. While you're away from home, it acts as if you were there by turning on and off lights and opening and closing blinds. These functions are also used in defense from any detected intruders.

Family protection: everyone is safe & sound

In addition to protecting residents from burglars, your smart home will even protect against potential

dangers such as fire. You will be informed by a flashing light, loud alarm and call to your phone.

Building protection: it protects itself

Your home even uses sensors to detect if any doors or windows are left open. Sensors are also used to detect possible water leaks or excessive temperature. No matter the situation, your home will notify you immediately.

Data privacy: your smart home, your data

All data is stored on your Miniserver within your own walls. Loxone components all interact together flawlessly without needing to connect to the internet or the Cloud. ■

1. Silent alarm

As a first measure, you will receive a notification through the Loxone App. If ever a false alarm, you can disarm the system, which the home will then acknowledge and respond.

3. Visual alarm

The final phase, your home raises the shades for full visibility to neighbors or passersby. The home is now "transparent" to any crime happening inside while ceiling lights are flashing.

2. Audible alarm

In the second phase, a call will be made to your smartphone as your Music Server blasts a loud alarm tone to warn any intruders.



More independence

Enhanced accessibility for everyone

"Ambient Assisted Living" – This term is often associated with building automation. More specifically, it refers to the technical solutions that support people who may have disabilities on their way to a more independent lifestyle. Find out how sensible it is to create a more independent life with Loxone:



» The flexibility of Loxone is one of the biggest advantages for me. I can always respond and adapt to the needs of the owners and residents of each project.«

Stefan Konrad, Loxone Partner



Easy transition from full to partial care

LifeHelp aims to aid in the transition for people with disabilities from needing full care to becoming more independent with partial care. So Lebenshilfe provides living space and additional support from their care staff. Partial care is best supported by technical support from Loxone automation.

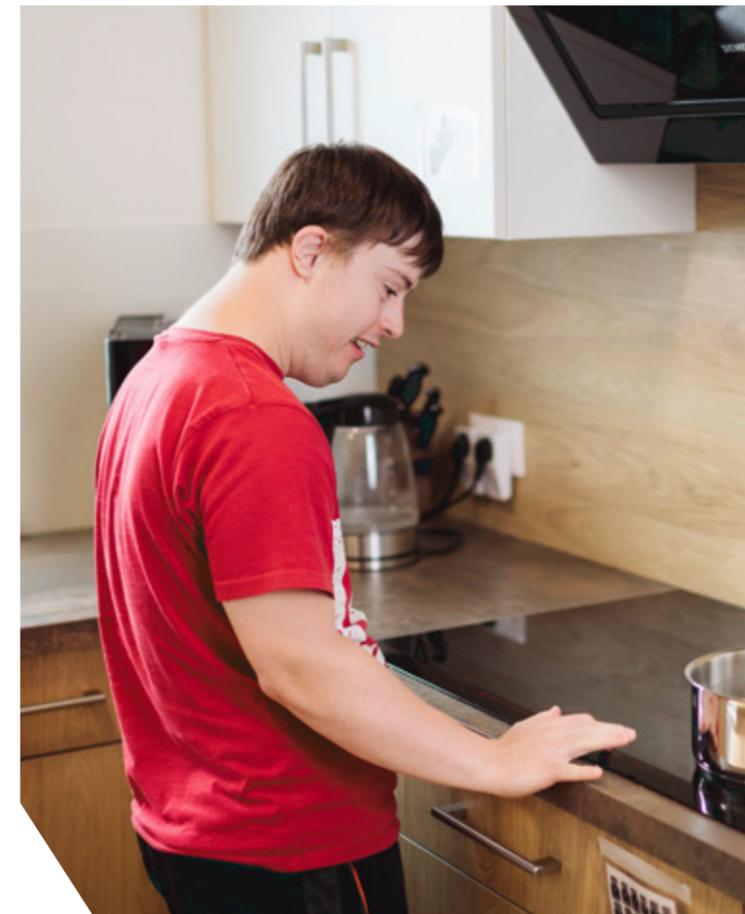
24/7 security

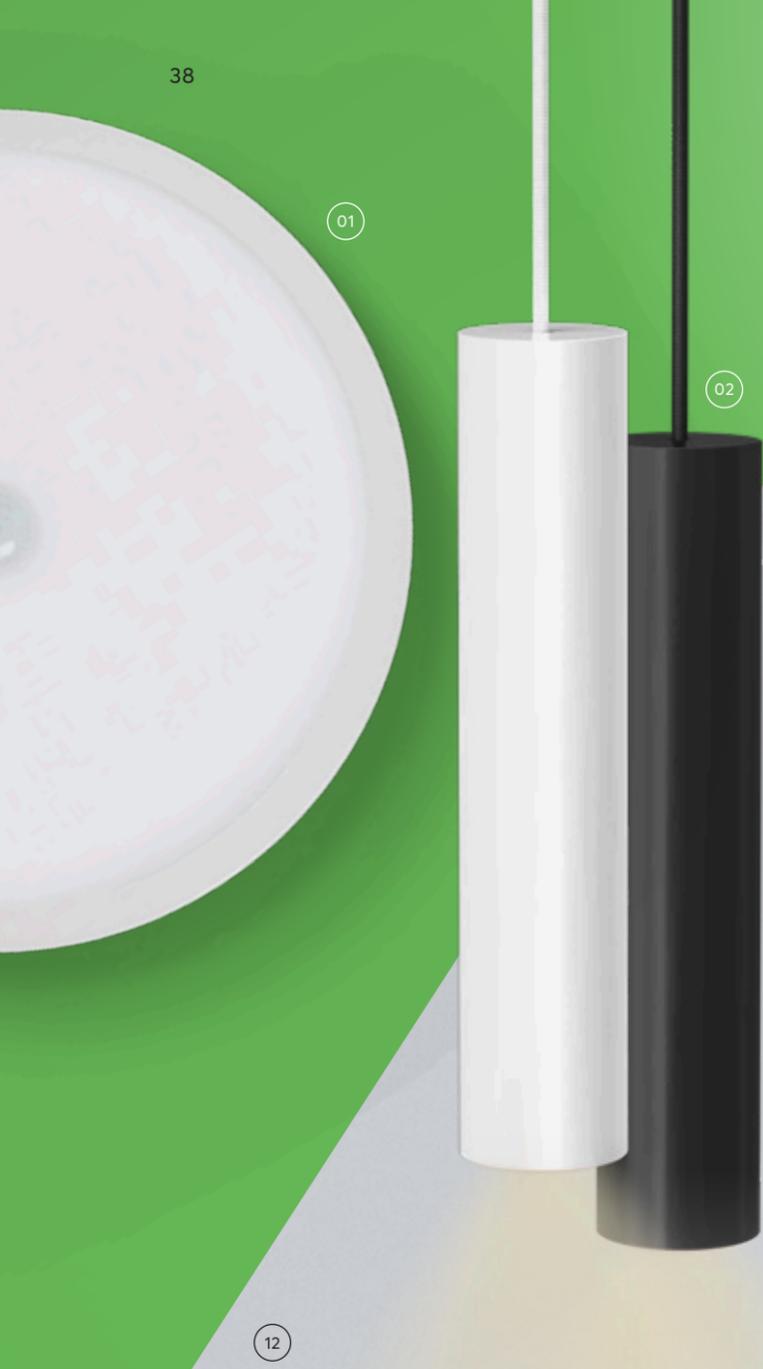
With more independence comes more need for security. This all-around protection is provided by a range of sensors and monitoring of windows and door handles. One highlight feature is control of the power supply to the stove and coffee maker. Both appliances are automatically disconnected once the resident leaves the home. Presence is easily detected if keys are hung at the magnetic holder next to the door.

Long-hold tap instead of a double-tap

Following Loxone standards and recommendations, a double-tap could typically activate a nightlight from the Loxone Touch. However, experience from the residents at LifeHelp has shown that a long-hold tap is an easier motion in most cases.

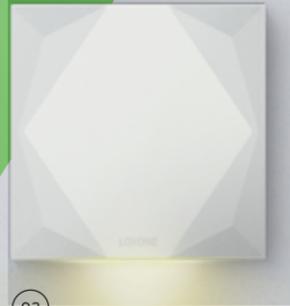
"The flexibility of Loxone is one of the biggest advantages for me," states Loxone Partner Stefan Konrad, "I can always respond and adapt to the needs of the owners and residents of each project." ■





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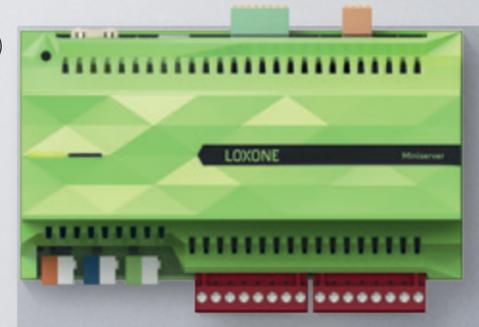


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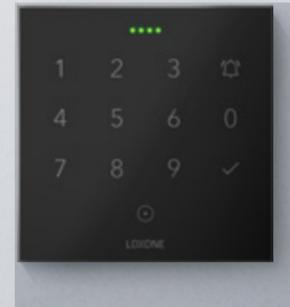
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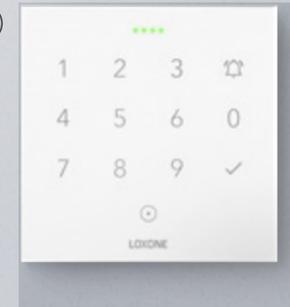
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09



10



- 01 **LED Ceiling Light RGBW:** The all-in-one ceiling light with an integrated motion sensor.
- 02 **LED Pendulum Slim:** Adds a special touch to any room.
- 03 **Touch Pure:** Timeless design, intuitive control.
- 04 **Touch:** The next generation of a Touch switch, in 1-gang box size.
- 05 **Key Fob:** Encrypted fob for convenient access.
- 06 **Miniserver:** The brain of every Loxone solution.
- 07 **Miniserver Go:** The intelligent solution for renovation and retrofit.
- 08 **Remote Air:** The wireless remote for control of any function.
- 09 **NFC Code Touch:** The perfect access control solution.
- 10 **Music Server:** A different audio experience from room to room.
- 11 **Touch Surface:** Transform any surface into one unique control element.
- 12 **Wall Speaker:** High-quality in performance and design.
- 13 **Touch Nightlight Air:** An all-in-one alarm clock, nightlight, ambient light source and intuitive switch.
- 14 **Touch & Grill Air:** The first grilling thermometer to integrate in smart homes.

Products made for all

We design our products with passion and attention to detail. For us, it's equally important that our products are made from high-quality materials, are convenient for our Partners to install and are user-friendly for anyone who interacts with them.

13



14



11





Beneath the surface

A few years ago while installing a pool, a question arose: How could we control the counter current for the pool from inside the pool itself (like you can inside a hot tub)? A step further, how about a switch that was also a part of the smart home system and could be activated with just a single touch? This thought was where the idea for the Touch Surface was born...

A symbolic start

One of the Loxone founders, Thomas Moser, made a recommendation one day: "Why don't we integrate controls into the surrounding concrete of the pool? Then with just a simple touch, you can switch on or off the counter current."

"That sounds good, let's do it," answered Loxone's other founder Martin Öller, "I'll think of a few reactive symbols and mill the stone." A prototype was in place, components ordered, wiring ready and the experiment was in

motion. The result was a practical and simple solution using a technology that is found within every smartphone today. Guests had a "wow" moment when they saw it in action.

Time to turn to the kitchen

Having proven itself, the poolside switch, then known as the "Pool Stone", was resurfaced a few years later. A similar question arose during the planning of the first Loxone Showhome in Kollerschlag, Austria: Can we somehow integrate something into the kitchen countertop so that we

Do you have a unique project that uses the Touch Surface?
Send us a photo and short description:
marketing@loxone.com





01

don't always have to reach for a switch on the wall when our hands are messy from preparing food?

After turning to the original planning of the "Pool Stone", the concept was there, it only needed to be refined to suit the standards of a Loxone Smart Home. So more ideas soon followed; we could integrate LEDs to integrate the status. Challenges were tackled like finding a way to prevent accidental activation such as if a hot pot or pan is placed on it.

Building a prototype

Martin phoned a friend from Strasser, specialists in stone kitchen countertops, "Hannes, we have an idea. We need samples with different milling designs." Almost instantly, stone samples were stacking up with the research and development team. Next step, soldering and experimenting with the 3D printer for the first designs.

"After just 14 days, the first sample was in our hands. We were thrilled with how it worked and sure that our customers would be too. And, of course, it had to be installed in our own kitchens as soon as possible."

The Touch Surface was now firmly underway and further improved from the original Pool Stone.

Works in the kitchen, works anywhere

With the realization of the idea of being able to integrate control directly into a surface, new ideas quickly emerged of other scenarios or surfaces.

"On the patio table! I need better control than the remote control that I, and my children, find way more complicated than it should be."

"How about at the coffee table? I would then have control always at hand for the lighting and volume."

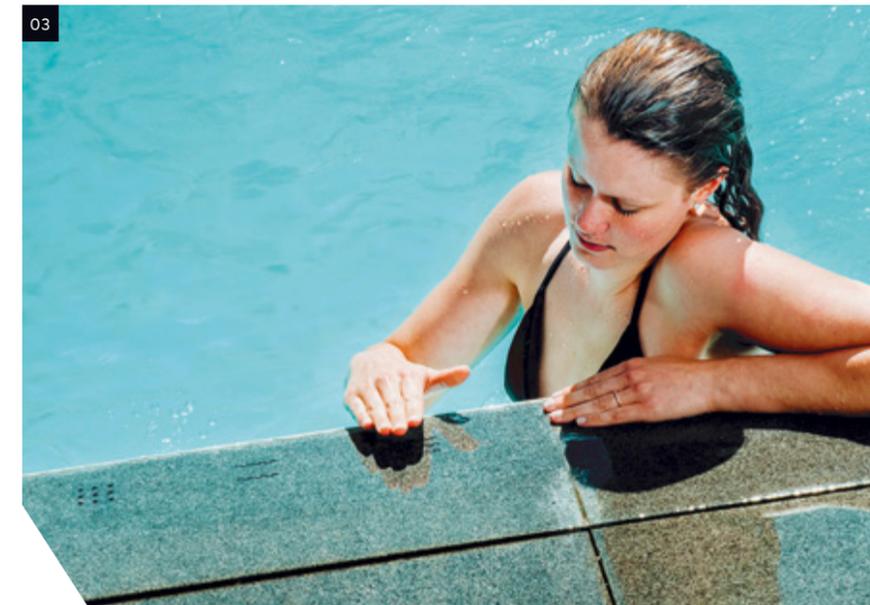
When the first prototypes were handed to Loxone employees for testing, their creativity and imaginations were fueled

even further. For example, a music-loving employee decided he wanted to install a switch behind the tiles in his shower.

What would you transform?

What started years ago as a pool-side project has now resulted in an award-winning product available to everyone in the form of the Touch Surface. Turn almost any surface into an intuitive point of control in a Loxone building. With either wired or wireless options, you can have built-in control for kitchen countertops, tables or other furniture. Let your imagination run wild and work out the possibilities with your local Loxone Partner.

Feeling inspired? Find more ideas and videos at loxone.com



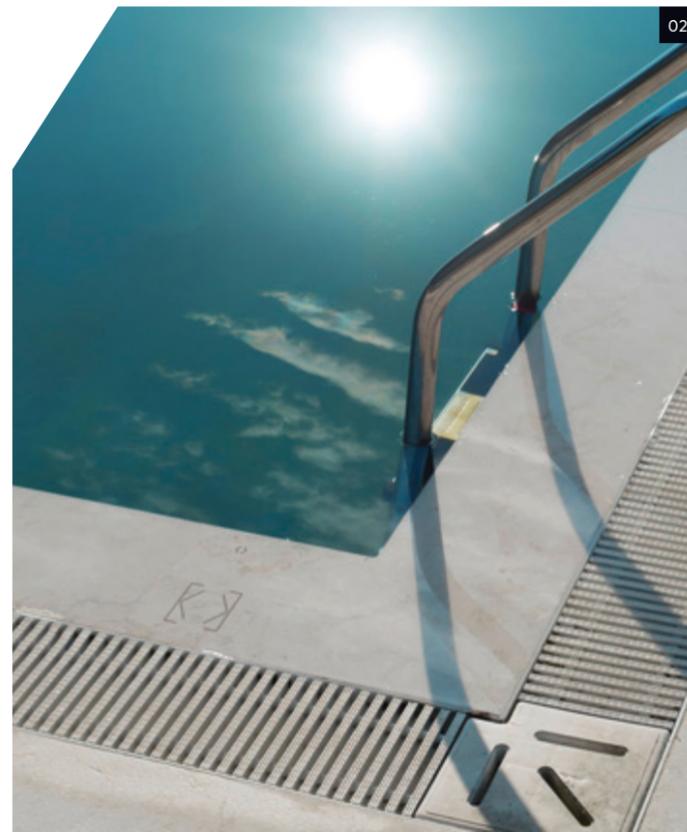
03



01 Practical use in the kitchen, especially with messy fingers while cooking.

02 Pool-side control with the Touch Surface.

The original prototype of the **03** Touch Surface ("Pool Stone"), still used today.



02

TOUCH SURFACE IN FOCUS

- ▶ As if by magic, furniture becomes a control switch
- ▶ For intuitive control of lighting, shading, music...
- ▶ Five capacitive control points
- ▶ Freely assignable LED status lights
- ▶ Built into stone, ceramic, wood, glass



Goodnight & good morning

The bedroom is our place of comfort. Where we recharge for the next day. A Loxone Smart Home supports your night's rest with the perfect temperature and a gentle nightlight. Then you can begin your day on the right note and full of energy.



Night Mode Function

At bedtime, just a triple-tap on the Touch switch next to the bed will let your home know it's time to shut down for a restful sleep.

This means all lights and music deactivate throughout the entire house. At the same time, your home turns off all TVs and more to avoid using unnecessary standby power. In addition, your home ensures the temperature and lighting in the bedroom are conducive for sleeping.

Plus, you're kept safe. Your home locks all entrance doors and lowers all shading. It makes sure the garage doors are closed. And if any windows and doors are still open, your home will notify you. Then, the burglar alarm system activates itself to ensure safe, restful sleep. Motion sensors, which normally automate the lights, now serve to detect intruders and raise the alarm.

Subtle nightlight

If you should get up at night, your home will light up the way with soft, dimmed lighting – there and back.

Pleasant temperatures

Living Room: 70°F
Hallway: 67°F
Bedroom: 65°F

These are suggested temperatures, for a conducive level of comfort in different rooms. In a Loxone Smart Home, each room is at the desired feel-good temperature at the right times. Even at night. This is because the temperature can vary; in the bedroom it can be lowered once you get into bed for a more comfortable sleep.

A refreshing way to wake up

Let the first rays of the morning sun gently wake you up by automatically slanting your blinds in the bedroom. Instead of the annoying old school beeping alarm tone, your favorite radio station or personal get-up-and-go

playlist fades in. Even if you are not a morning person, this is a great way to start the day.

Loxone Touch Nightlight Air

In a Loxone Smart Home, you can be woken up in a way that suits you; with your favorite music or with the Touch Nightlight Air. All it takes is a stylish element on the bedside table. For example, let dimmed light and birds gently twittering awaken you. As the name suggests, the Nightlight Air also provides soft night lighting. The intuitive concept of the Loxone Touch – with just five touch points for operating lighting, shading and music – also finds its way into our new product. The timeless design with its glass surface gently blends into your room. Set the wake-up time to one that is convenient for you with just a tap on the glass surface of the Nightlight Air. The Loxone Air technology allows the Nightlight Air to be positioned anywhere in the bedroom. ■



TOUCH NIGHTLIGHT AIR IN FOCUS

- › Integrated color light
- › Digital display of clock and alarm time
- › Integrated Loxone Switch Standard
- › High-quality glass surface
- › Speaker for alarm clock
- › Freely positionable, thanks to Air technology



Wired or wireless.

Loxone offers an all-around solution supporting numerous technologies with the goal of providing you with an unmatched living experience. We'd like to introduce you to our top two technologies, Tree and Air. We like to think of them as the neurological pathways of a truly automated building.



TREE



Up to 50% less wiring



Quick and easy installation



100% developed for true automation



Updatable



Fully encrypted communication



Minimal energy consumption



AIR

All-around functionality in record time

With the development of our Tree technology, we pursued a clear goal: to reduce the wiring and installation time. Coupled with the know-how of Loxone Partners, the integration of Loxone Tree devices – from LED Spots to motion sensors and Touch switches – can be achieved with an unparalleled ease-of-install.

"Ever since I was introduced to Tree technology, my building automation projects have been completed much faster, saving time and money. It's impressive how products communicate perfectly together."



Norman Joris,
Loxone Partner



Sarah S.
Loxone Fan

Ideal for renovation or retrofit projects

Loxone Air technology is a benchmark of innovation, especially for those looking to incorporate home automation into their existing walls. If there is no opportunity to pull the wires, then Air technology is your best choice.

"After moving into my new smart home, I realized a few things we missed while planning. In our basement for example, the lights didn't turn on automatically when we moved. So we contacted our Loxone Partner and he was able to retrofit a Motion Sensor Air in just a few minutes. We were surprised and happy with how quick and easy Air technology had made the whole process."

Olympic Panorama



With surroundings perfected by the nature of Vancouver Island, this masterpiece doesn't try to compete. Located in Sooke near the British Columbia capital Victoria, this Loxone Smart Home opens its doors to all that its location has to offer – the forests, the sea of Juan de Fuca Strait and the Olympic Mountains – and operates by Loxone technology with zero distractions.



Nature draws your attention with every step. Starting at the front door, glass windows make sure the views of Juan de Fuca Strait and the Olympic Mountains give you a lasting impression from the very start. You won't notice the smart security features and sensors that keep the home safe. Smart security is the first measure of comfort in the home.

As you walk inside, you are welcomed by Loxone technology with zero distractions. This means smart lighting, room temperature, music and more are already automatically set and working together to deliver the best possible experience inside. The home works with nature very efficiently – using weather and seasonal data, measuring levels of natural light – to know how it should adjust room climate and lighting on its own. A huge energy saver, and time saver for the homeowners.

Favorite outdoor features

Imagine how much maintenance must go into this outdoor haven with a pool, hot tub and pond. Thanks to Loxone technology, this backyard becomes more like paradise and less like work. Integrating Loxone extensions with pumps, valves and controllers makes it easy to automatically switch on or off the pool heater and even the pond waterfall. And once the pool reaches its target temperature, the text-to-speech function of an integrated audio system can announce that it's ready for you to dive in comfortably.

Even outdoor tech like lighting and audio comes into play, bringing each area of the yard together for a cohesive experience. Music, pool lights and landscape lights can work together without delay to create lighting moods that complement that jaw-dropping view. ■

Many uses for multi-room audio



Music is significant to us – it touches our soul and influences our well-being. Audio can form the basis for many useful functions beyond enjoying music in multiple rooms. It starts with the Loxone Music Server and speakers. Here are five reasons to use audio in every room:



1. Different music in different rooms

While dad listens to classic rock in the office, mom listens to her podcasts in the living room and the little one falls asleep to her favorite audiobook in the nursery. All while the son jams out to music in the basement. Different audio sources in different rooms are easily controlled by Loxone.

2. A new kind of doorbell

When someone rings the doorbell, instead of a classic doorbell, a customizable sound is heard from the multi-room speakers. If music happens to be playing, it stops briefly to play a notification. As an alternative, the doorbell can be muted and replaced by a flashing light, especially helpful for those living with children, a deaf family member or even a dog.

3. Scare off intruders with a loud alarm

At the sign of an intruder, a loud alarm tone will play through the speakers in every room. This is the intruder's warning to run away and not try his luck.

4. Immediate alarm in case of potential danger

Time is of the essence when it comes to potential dangers such as fire or water leak. In the most extreme cases, speakers can be lifesavers, sounding an alarm immediately. You can react in time and make sure everyone is safe.

5. Wake up to the sound of your choice

In a Loxone Smart Home, you won't get woken up by the classic, annoying alarm clock. Instead, your morning playlist can give you a jumpstart through your bedroom speakers. Whether it's a gentle, nature sound track or motivating get-up-and-go music, the choice is yours. ■

Learn more about the Loxone Music Server at shop.loxone.com!



MUSIC SERVER IN FOCUS

- ▶ 100% developed for a Loxone ecosystem
- ▶ Choose your music for each room
- ▶ For burglar alarm, alarm clock, doorbell and more
- ▶ Storage capacity for up to 250,000 songs

LOXONE



The Loxone Experience Tour



01

- 01 A glimpse inside the Loxone Experience Center.
- 02 Demonstration of the Touch Surface in the kitchen.
- 03 Lighting mood activated in bedroom.
- 04 Loxone team member guides guests through a tour.



02



Interact with a complete ecosystem

Throughout the tour, you will be guided with demonstrations of essential functions such as intelligent lighting moods, Night Mode, security alarms and more. Along the tour, you'll be able to interact with products such as the Touch Pure, Intercom, Touch Surface and more.

Tour highlight:

Built into almost any surface, the Touch Surface will give you plenty of creative inspiration. In our Experience Center, you'll learn how a kitchen countertop and shower tile can be transformed to enable extra control of essential smart home functions.

All your questions answered

As you experience the impressive features with curiosity, you may come up with many questions along the way. Whether you're looking to get onboard as a Loxone Partner, or maybe you'll be looking for a partner as a homeowner. Our team members will answer any questions and help get you started.

Ready to schedule your own personal tour?

Our team members schedule in-person and virtual appointments daily. An Experience Tour is a real eye-opener to the world of true automation and its benefits for your upcoming smart home or building automation project. We're ready to help you realize your dream smart home or building with Loxone!

Experience Loxone:

loxone.com/experience ■

Welcome to the world of Loxone automation: the Loxone Experience Center. Inside, you'll experience a complete ecosystem of technology working together to achieve unmatched comfort.

Are you planning for a new build or renovation? We offer the opportunity for potential Loxone Partners, other business partners and homeowners to take a tour of our Loxone Experience Center. Located just outside of Philadelphia (Garnet Valley, PA), you can feel what it's like to have Loxone take care of many tasks for you within an automated home or building.

Personal tour with a Loxone team member

With the option of visiting in-person or joining through video, our team members make it easy for you to experience Loxone automation in the way that suits you best.

» It's all about the experience. See what life is like when tasks relating to comfort, security and energy efficiency are all taken care of for you. A Loxone Experience Tour does just that.«



03



04

Elevated living experiences

Architecture & technology in harmony



When it comes to the living comfort in your home, smart home solutions play a key role along with the architecture. So when architecture and technology merge, unique moments happen that were once unthinkable. In the following interview with architect Marcel Amrhein from ARKD, he reflects on this symbiosis:



Marcel, how do you see home & building automation changing in recent years?

Today's intelligent building, seen some time ago as the building of the future, has definitely arrived in the present. I can still remember when I joined the team at ARKD. The topic of automation was just starting to take off. In the beginning, the focus was on the automation of commercial properties. In the private house sector, technology has only established itself in recent years.

In the past, consumers had to be recommended solutions for automation and that's how they would become introduced to it. But today, it's the customers that are approaching us with initial discussions with interest in automation.

What do you think the reason is for this change

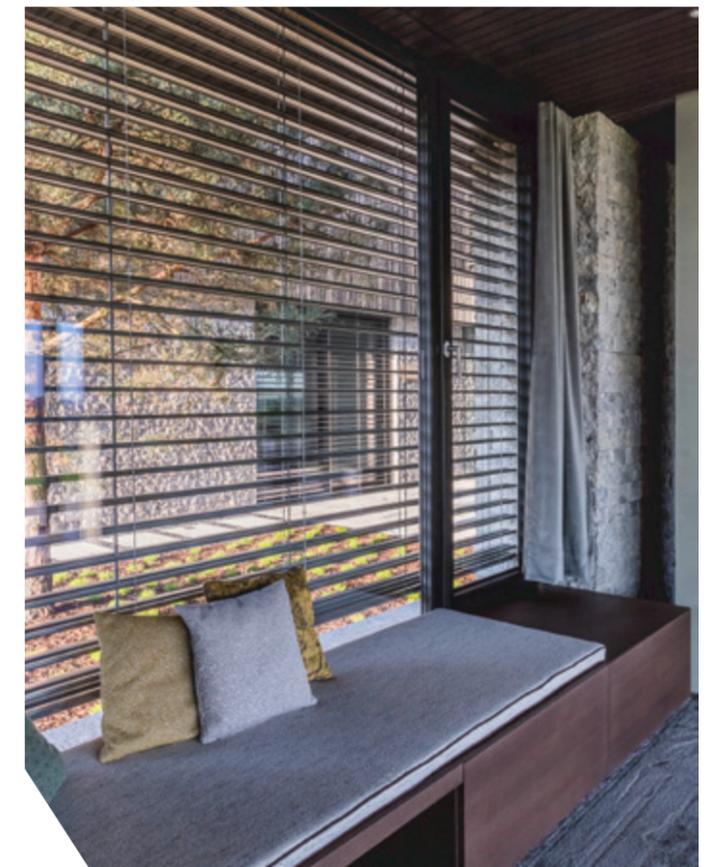
For one thing, the standards are becoming higher for heating, cooling and shading. While on the other hand, we are becoming more comfortable in our jobs and everyday lives. For example, we no longer want to worry about which one of ten switches needs to be activated in the evening to create a relaxing atmosphere. To maintain the simplest operation, the use of intelligent automation technology in homes is now essential.

How does that look in your practice? How do you integrate automation into the planning process?

To the same extent that the use of building automation has increased, we have also adapted our own planning process. Where it is, of course, ideal to implement the use of intelligent



technology early in the initial design. Thinking ahead, for example, I would need to know where I want to highlight an area with the lighting or in which rooms I would like certain music. As architects, we're always learning how to improve and think ahead. Another reason is because new technologies are constantly being developed. For me personally, atmospheric lighting and sound systems are becoming more and more important in the design process. For example, a recently built house has a courtyard, which I designed as an outdoor atrium. When it came to the design and choice of materials, it was important to consider how to use the lighting to set the scene, especially in the evening to flow smoothly with the interior. Specific elements such as the stone facade and which lights should shine were factors to consider to create the perfect ambience. Electricians can simply save lighting moods so that once activated, the right combination of light circuits



ABOUT ARKD

Founded	1991
Location	Linz, Haslach
Employees	40
Number of projects	70+ /year
Most remote project	Croatia

will work together. In the past, you would never have ► the luxury of creating such a mood because you would have to actually activate ten light circuits, each individually. Much more time and effort. Automation is now my standard for planning.

Do you live in an intelligent, automated house?

Yes, I built one about five years ago. Heating, cooling, shading and lighting are all automated. However, at the time, I didn't consider a sound system. I regret that now. ■



Cloudfree: your walls, your data

At Loxone, we've made the conscious decision to never collect or analyze the data of Loxone users. We believe that everyone has the right to unrestricted privacy within their own walls, whether that means in a smart home or commercial building.

Your data, safely stored

In any building automated by Loxone, your data stays where it belongs – locally, on your Miniserver. It's the central device, the "brain", on which your data is stored and logic is processed. Data is never collected by the Cloud so sensitive information is kept private.

No need for internet connection

A Loxone system can do its job without the internet. While some functions such as remote access or weather data and push notifications do require a connection; you can still enjoy all significant benefits without one, in terms of comfort, security and energy efficiency.

Everyone has the right to the privacy and protection of their personal data. This is something that we, at Loxone, consider and protect in 100% of what we do.

When it comes to the data of our customers, we follow our principle:

Your walls, your data.

