



# Smart Hotel

The operating system  
for all building technology  
in the hotel







# The intelligently networked hotel

Would you like your guests to feel comfortable and offer them a unique vacation? Would you also like to optimize the organization and reduce operating costs?

The smart building automation system, myGEKKO, accomplishes this feat and offers a broad spectrum for more comfort, economy, and security in every hotel business.

Via myGEKKO, all technical tasks such as heating, air conditioning, ventilation, light, shading, and security technology are linked and can be centrally controlled. All components work together in a coordinated manner and across manufacturers. This simplifies operational processes, optimizes systems and devices, and reduces energy costs.

An intelligent hotel installation is a sustainable and future-proof investment that increases the attractiveness and value of the property and secures it in the long term.



# **Intelligent digitization: tomorrow's hotel today**

Intelligent networking in hotels helps to reduce operating costs and save energy and makes it easier to manage building use.

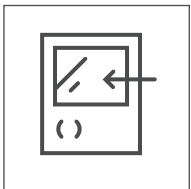


## For a future-proof business model

Nothing is more important for a hotel than satisfied and happy guests.

The increasing demands of guests call for innovative solutions that guarantee a smooth process. With an intelligently networked building control system, every hotelier is able to offer his guests a tailor-made dream vacation.

Optimal comfort paired with comprehensive security ensure that every guest feels comfortable.



## For central visualization & operation

The user-friendly and clear dashboard from myGEKKO visualizes the entire intelligently networked hotel system on PC, smartphone, or tablet.

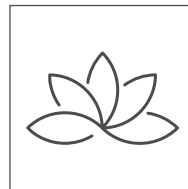
The uniform user interface enables quick and easy administration of all tasks. In addition to central control, myGEKKO also enables direct access to building services in different rooms, areas, or houses. These optimizations can be carried out inhouse without any problems and without special know-how. This gives the hotel the opportunity to quickly implement customized regulations and settings. The automated, needs-based control of building technology also helps to significantly reduce personnel and operating costs.



## For a reduction in energy costs

Sophisticated energy management not only gives you an overview of all details of energy consumption, but also actively helps to save energy, and therefore, costs.

Energy is only used as needed and is efficiently regulated. Savings potentials are revealed and consumption is better planned.



## For happy guests

A decisive factor of a smart hotel is enthusiastic guests.

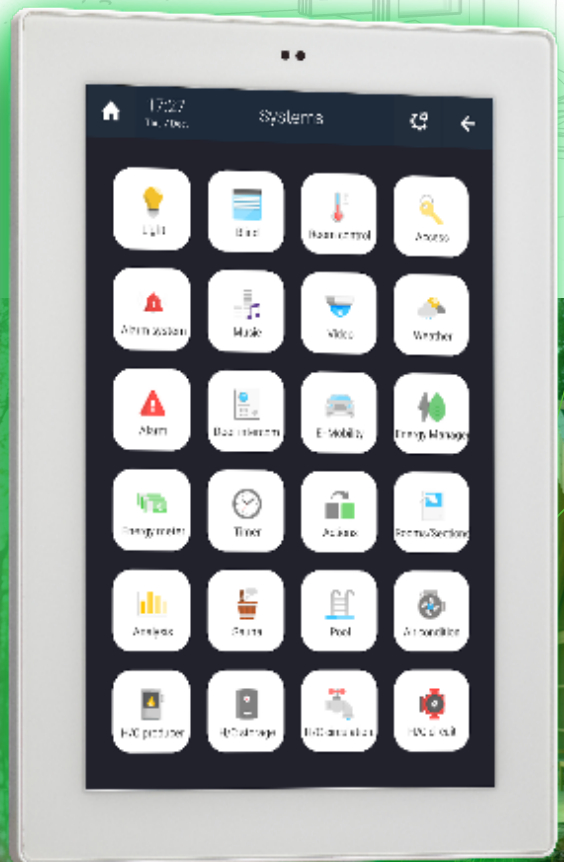
myGEKKO offers intelligent functions that create experiences and lasting added value: with an intuitive operating concept that is optimally geared to the needs of current and future guests. Even entire room scenarios can be changed with just one tap.

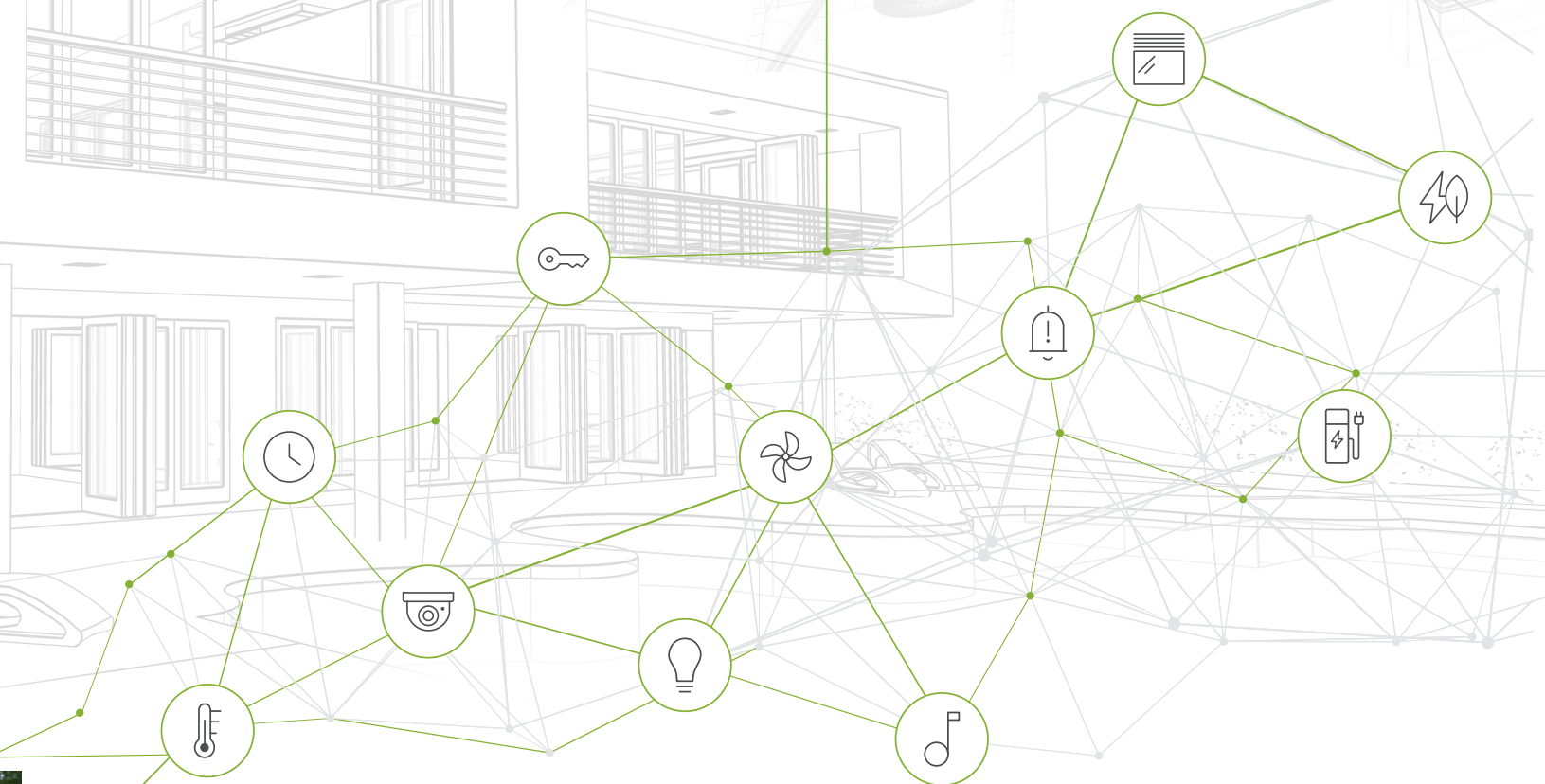
This makes the hotel a fascinating experience for satisfied guests and ensures long-term customer loyalty.

# The operating system for your hotel

Intelligent hotel technology needs a brain. The operating system, myGEKKO OS, takes over this function for our systems: individual, personalized, and expandable at any time.

The heart of digital buildings of all types and sizes is the myGEKKO OS operating system. It networks all tasks and systems with one uniform control concept. It can be adapted and expanded at any time, and requires no previous knowledge. An operating system could not run any simpler, more flexible, or more intuitive. Exactly as it should be.





## Easy and intuitive

Instead of having to deal with a programming language, myGEKKO OS offers you a graphical programming environment. Professional regulations are incredibly easy and intuitive to implement.

## Tailor-made and yet modular

myGEKKO OS is adapted to the wishes and needs of the hotelier for every building project. Smaller areas and additional systems can also be digitized step by step.

## Reliable, secure software maintenance

Software updates can be made free of charge via a USB stick, on which all data is backed up weekly. And if you have any questions, you can contact the myGEKKO support.

## Individual and customizable

The software is pre-installed on the myGEKKO, but you can design the user interface yourself at any time. Based on your needs.

# Smart in planning

myGEKKO guarantees technical planning security. This is ensured by networkable products that meet the highest international standards.

Planners have a difficult job, and myGEKKO makes it easier. This means that the selection of installation systems can be tailored to the needs, demands, and wishes of the client - without having to worry about networking. Finally, every common installation system can be connected to myGEKKO. And every task that meets the technical challenges of a modern building, too.







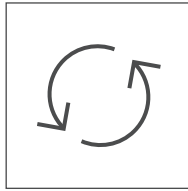


# Smart implementation

myGEKKO does not use a special programming language for parameterization.

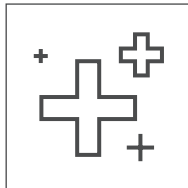
All settings, regulations, and logics are configured directly via the user interface.

The technician is therefore able to carry out the entire installation of a building - regardless of size - without programming knowledge. myGEKKO always offers concrete support in the development process and comprehensive advice on the implementation of the project.



## Flexible & expandable

myGEKKO adapts to any construction project and takes the wishes and needs of hoteliers into account. The system remains open and flexible and grows with the hotel and the demands of hoteliers and guests. This means that smaller areas can be digitized and additional systems integrated step by step.



## Durable & safe

Software updates can be retrieved free of charge via our service portal and simply carried out using a USB stick, for example.

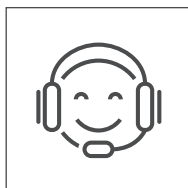
All data can be backed up regularly and automatically on an internal or external storage medium. It's better to be safe than sorry.



## Excellent support

Nothing is more nerve-racking than being left alone with questions. myGEKKO knows that, too. If you encounter a problem, we can help with support access that can be activated with a click.

Your electrician or the myGEKKO Service team member will then check the system with you and make adjustments - live and in real time.



## Smooth process

Once the system has been installed, the specialist will configure it for you and explain the functions of your Smart Hotel step by step.

Simple explanation, brilliant application - myGEKKO.

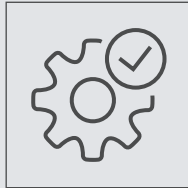
# Smart use

The myGEKKO digital hotel also offers numerous advantages for hotel managers and employees. The intelligently networked hotel technology creates comprehensive transparency and thus control over all systems and functions in and outside the hotel.



Due to the combination of all decentralized control systems and the corresponding visualization of related system parts, it is possible to immediately rectify any faults that may occur or to make the necessary optimizations.

This does not require an external specialist, as the hotel manager is able to make changes themselves due to the transparently displayed visualization on myGEKKO. Intelligently networked interfaces to supply technology such as energy and water, room technology, operating technology, and booking systems allow evaluations and controls to be integrated as automated processes.



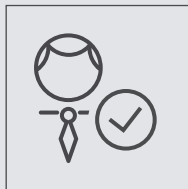
## All-in-one box

Simplify everyday life, optimize organization - For myGEKKO this means: One system controls everything. All installed tasks in the hotel can be operated centrally and using the same concept; links can be created as required. This way, you can easily and quickly gain an overview and save time and money.



## User-friendly

Chaos costs money. Thanks to myGEKKO, all systems in the hotel can be standardized and thus easily and effortlessly controlled: via an intuitive user interface and an easy-to-read dashboard. Special know-how is not necessary; myGEKKO is understandable for everyone in the team, and therefore, easy to use.



## Individual

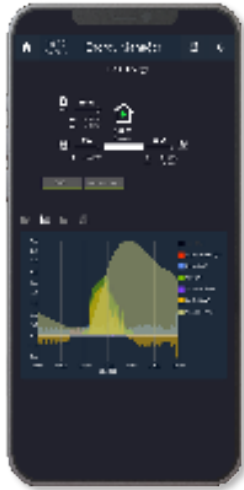
Because not everyone in the hotel does everything, the myGEKKO system can be individually adapted. Time and button functions can be tailored without programming knowledge. The administrator also independently unlocks the usage rights. So if the waiter can only operate the systems in the dining room, this is also possible.



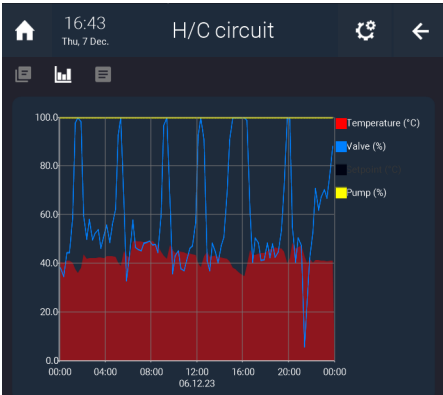
## The hotel in your pocket

myGEKKO makes it possible to manage your hotel remotely. Your smartphone turns into a hotel in your pocket, and you will be immediately notified of an alarm. You can react quickly and efficiently anywhere, anytime. And you know around the clock if everything is fine at the hotel.

# One hotel. One control. Everything under control.



- › myGEKKO dashboard visualization
- › 0% programming, 100% personalization
- › Display of all tasks
- › Access level for operators, technicians and maintenance
- › In-house and remote



17:09 Do, 7. Dez. Pool

Main operating mode: Auto mode

Operation mode: Bathing

Refilling: Off

Backwash: Locked

Vacuum cleaning: Off

Heating pump: On

17:10 Do, 7. Dez. Air condition

Climate | Wellness

Supply air		Exhaust air	
Setpoint	Actual	Setpoint	Actual
16.0 °C	16.1 °C	15.0 °C	19.0 °C
540Pa	423Pa	540Pa	621Pa

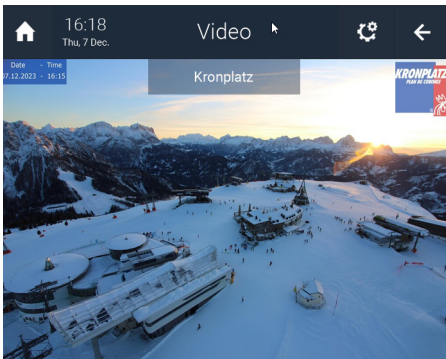
Outside air: 100% Min: 25% Quality: 43% Min: 58%

Heating: On Recirculated air: On

17:07 Do, 7. Dez. Light

Floor 0 | Reception

Primary color: 60% On





## Timer

- › Lighting
- › Spa/swimming pool area
- › Access
- › Tempering different zones



## Pool

- › Backwash cycle, dosing values, and pool temperature
- › Monitoring and alerts
- › Energy analysis



## E-mobility

- › Charge management for electric cars
- › Up to 16 charging stations can be managed
- › Charge approval with badge
- › Billing tool for users
- › Monitoring and alerts



## Garden irrigation

- › Irrigation control
- › Dependencies (weather, rain, usage)
- › Water management, including storage



## Spa area

- › Fully/partially automated lighting
- › Acoustics
- › Optimal temperature control of the treatment rooms



## Saunas

- › Full/partial automated sauna control
- › Emergency call functions
- › Temperature monitoring
- › Monitoring and alerts



## Energy monitoring

- › Cost overview
- › Power consumption
- › Heating/cooling consumption
- › Cold/hot water consumption
- › Monitoring and alerts



## Videos

- › Video surveillance
- › Video call stations
- › Remote doorways



## Rooms / Suites

- › Variable room automation
- › Intuitive room operation by the guest
- › Heat/cold/air/light/shading
- › Central overview and control



## Heating system

- › Adaptation of heating systems
- › Minimally invasive interventions
- › System extensions
- › Monitoring and alerts



## Ventilation system

- › Adaptation of ventilation systems
- › Monitoring and alerts
- › Exceeding/falling below setpoints



## Power optimization

- › Intelligent peak load optimization
- › Cross-trade solution
- › E-mobility, laundry room, kitchen, spa, refrigeration equipment



## HACCP monitoring

- › Constant measuring cycles and automatic recording of the minimum data storage
- › Alarm forwarding when the temperature is too low or too high
- › Feedback of door openings
- › Centralized overview



## Experience creation

- › Mood-dependent lighting concepts
- › Music as a thematic experience
- › Prepare personalized room automation for the guest



# One hotel, one system



The central operation and monitoring of the entire hotel system via the dashboard enables the quick identification of optimization potential, the control of energy consumption, and the improvement of the quality of the building operation.

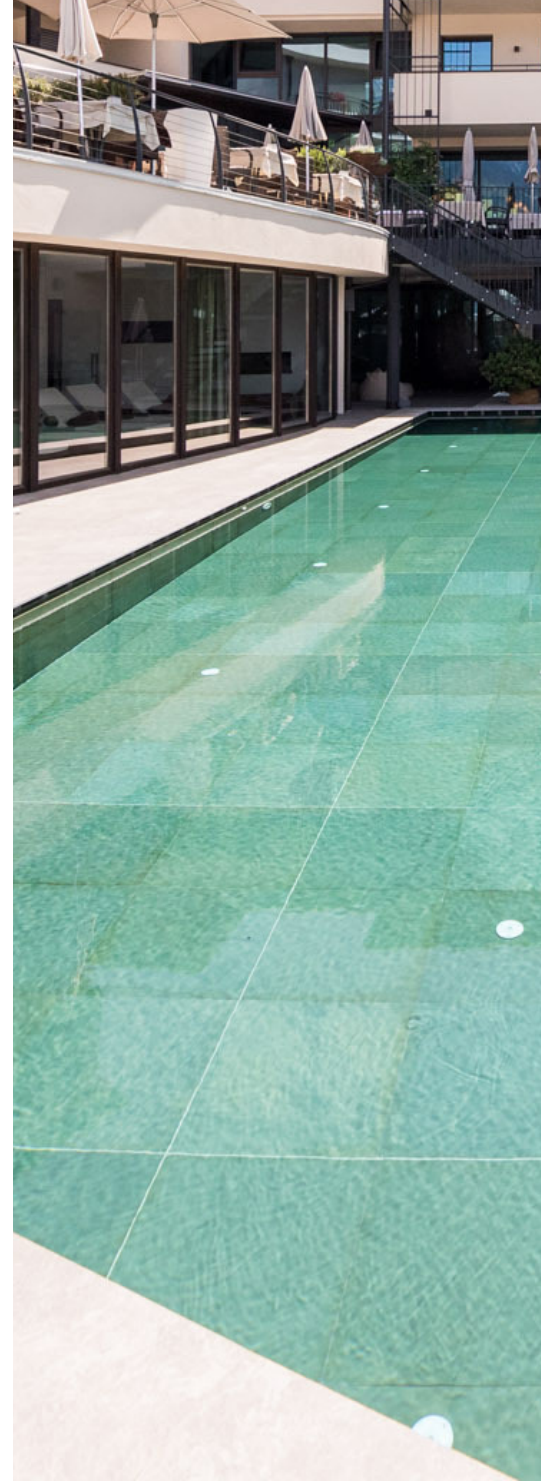


The myGEKKO dashboard shows the status of all systems and any irregularities.

These can then be edited directly on the computer. This ensures perfect control over all systems.

Access and attendance checks are possible thanks to targeted access authorization for several groups (employees, suppliers, guests) by time and zone (e.g. room, garage, technology, etc.).

Simply connect your guest management program to the myGEKKO control. This enables you to simplify and accelerate workflows and processes in your company.









# Everything for the guest



One advantage of smart myGEKKO technology is the individually adjustable room temperature, which enables guests to have an unforgettable, personalized experience.

The presence-dependent regulation of light, shading, and indoor climate prevents the rooms from being illuminated and heated when they are not occupied or when the guest is away.

The ventilation, which can be controlled via timers or air quality sensors, ensures a pleasant indoor climate at all times.





# Wellness at the push of a button



Control the entire wellness facility of your company conveniently from a controller.

From swimming pool technology with backwash function to the control of water temperature and cover control to light play, background music, and video surveillance.

The monitoring of chlorine, redox, and brine value with immediate alarm also runs via myGEKKO.

The complex water analysis saves you a lot of fresh water. In the sauna area, myGEKKO enables the automatic regulation of temperature and humidity with appropriate pre- and post runs. Temperature sensors ensure the desired operating temperature and protect against excessive temperatures.

Indirect light, soothing light colors, and playlists can be easily controlled via myGEKKO.



# Controlled sensitively



Thanks to myGEKKO, the legally prescribed cooling temperatures can be easily and seamlessly monitored.

Kitchens and storage rooms are sensitive areas. Everything has to be right here: ventilation, temperature, energy consumption. myGEKKO has an overview of all of these areas, controls ventilation via CO<sub>2</sub> sensors, and reads out all the values relevant for self-monitoring (HACCP).

Because the most sensitive areas in the hotel cannot fail, myGEKKO also takes care of load optimization. If the energy load exceeds the intended values, the system automatically switches to another energy distributor. This way, you efficiently prevent failures and optimize the energy costs of your hotel.



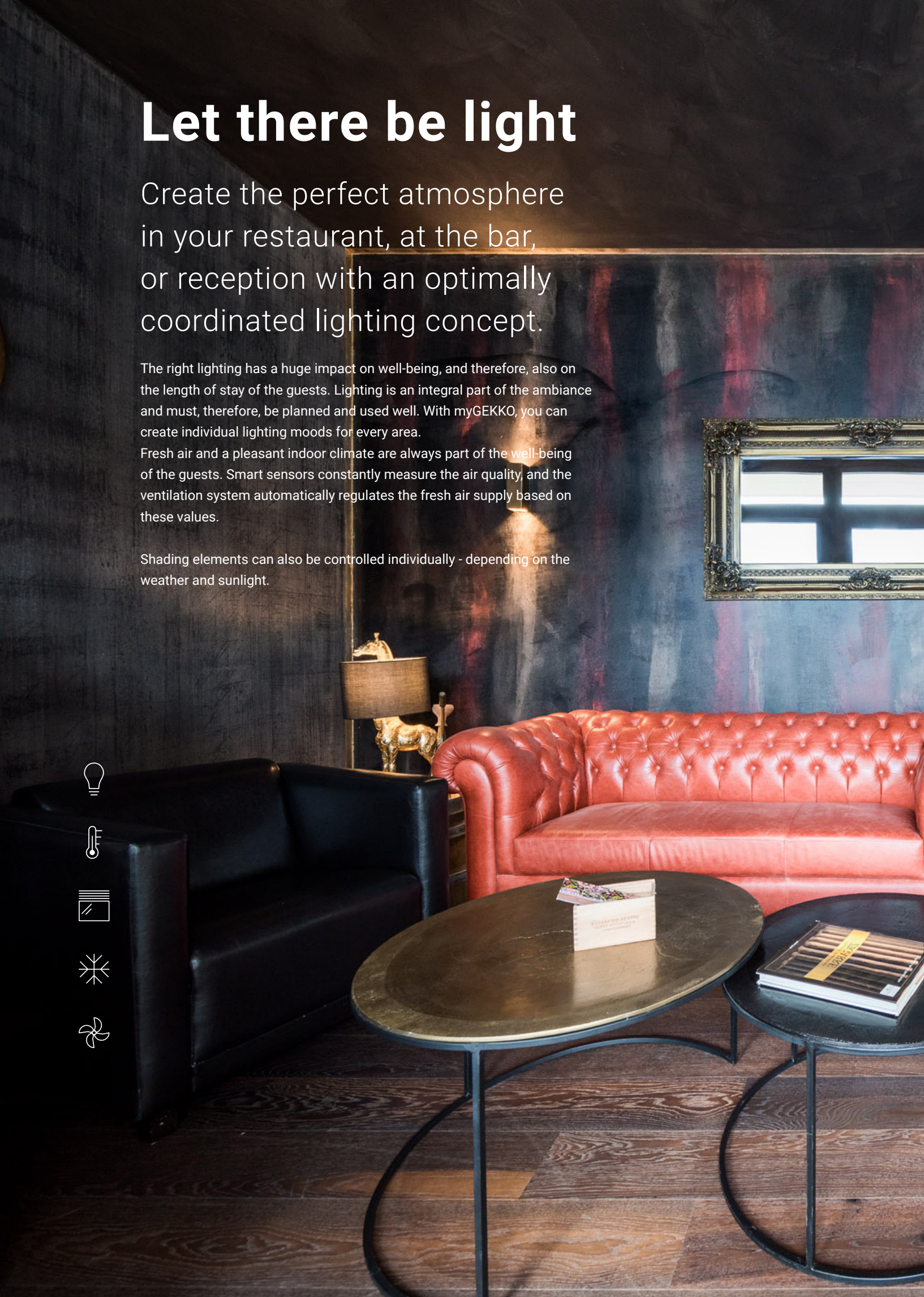
# Let there be light

Create the perfect atmosphere in your restaurant, at the bar, or reception with an optimally coordinated lighting concept.

The right lighting has a huge impact on well-being, and therefore, also on the length of stay of the guests. Lighting is an integral part of the ambiance and must, therefore, be planned and used well. With myGEKKO, you can create individual lighting moods for every area.

Fresh air and a pleasant indoor climate are always part of the well-being of the guests. Smart sensors constantly measure the air quality, and the ventilation system automatically regulates the fresh air supply based on these values.

Shading elements can also be controlled individually - depending on the weather and sunlight.







# Controlled sustainability



Access and presence control is made possible via a central card system that is individually coded for the selected customer or employee.



Integrating the charging station into the hotel's energy management is easy. Top-ups can be checked and billed easily per guest using a chip card.



The irrigation system can be controlled via myGEKKO depending on time, climate, or soil moisture. And you can also integrate, control, and monitor your robot lawnmower into the myGEKKO concept.




The gutter or garage ramp heating can also be integrated into the control system.





HOTEL S...



# **Comprehensive know-how and years of experience from countless hotel projects make myGEKKO a reliable partner for any construction project.**

Our support team accompanies planners, electricians, and builders through all phases of a project.

From planning to project development to implementation and commissioning, myGEKKO is always there for you and guarantees lifelong system support.

ALPIN PANORAMA HOTEL HUBERTUS | GEISELSBERG



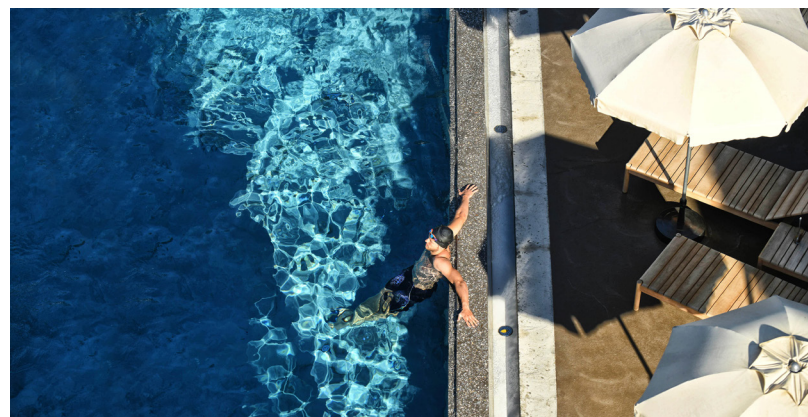
HOTEL HOHENWART | SCHENNA



ADLER LODGE | RITTEN




HOTEL LINDENHOF | NATURNS



DER WEINMESSER | SCHENNA





„Digitalisation is a major cause of change in our society, which is characterised by diversity, flexibility, individuality and responsibility for the next generation.

At the same time, digitization is also the solution. Especially for the hotel industry it holds enormous potential in administration, marketing and most of all in building and resource management.“

Hartwig Weidacher  
CEO myGEKKO





helps your building run intelligently and improve people's lives

**myGEKKO | Ekon Ltd**  
St. Lorenznerstraße 2  
I-39031 Bruneck (BZ)  
T. +39 0474 551 820

**myGEKKO | EKON Vertriebs Ltd**  
Fürstenrieder Straße 279a  
D-81377 Munich  
T. +49 8921 5470711

info@my-gekko.com  
www.my-gekko.com



myGEKKO SPECIALISED PARTNER

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„Smart Hotel“  
Art. Nr. myGEKKO – MRK.HAN.SHT.EN01

myGEKKO supports the conscious use of energy,  
responsible living for people and the environment