

ENERGY SAVING!



THE TOTAL SOLUTION FOR EVERY HOLIDAY CHALET!

NEW!

KC

SMART HOME

ACCESS CONTROL | CLIMATE MANAGEMENT | TECHNICAL MANAGEMENT

WELCOME TO KC SMART HOME

KC Smart Home offers innovative solutions for in and around your holiday home. We have created a platform that delivers benefits for your entire company by assessing the needs of different departments in your organisation. Our platform delivers benefits all round: for your company's departments, and for your guests, as well. KC Smart Home provides your guests with comfort and convenience. And guarantees a warm welcome when they arrive.

WHO IS KC SMART HOME FOR?

KC Smart Home offers benefits for your guests, resorts and bungalow park operators, landlords, management companies and technical and facility services. Read about the benefits for each group here.

GUEST

When you arrive, you can unlock the holiday chalet's electronic lock using the app or by entering your personal pin code. To give you a warm welcome, we've made sure the chalet is at a comfortable temperature.

TECHNICAL SERVICE

The chalet's heating system sends reports and alerts of potentially problematic situations. Without adding to staff workload on arrival days. Receiving prompt malfunction alerts provides you with lead time so you can address problems without inconveniencing the guest.

FACILITY MANAGEMENT

As soon as the chalet has been cleaned, you can tag it as 'ready' via the electronic door lock. This guarantees that reception is always updated on the chalet's status. If required, the new guest can be given access to the chalet earlier.

RENTAL COMPANY / LANDLORD

The integrated thermostat control also boosts your company's environmentally-conscious image. It prevents the temperature from being set too high in an unoccupied chalet and, while guests are staying, avoids any extreme settings. This helps you realise energy savings and boosts sustainability. And, of course, greater comfort for your guests, no extra work for reception, and alerts texted to your technical team help you manage your business more efficiently.



WHAT DOES THE KC SMART HOME PLATFORM CONSIST OF?

The KC Smart Home platform is an extremely extensive platform that undergoes continuous development.

A breakdown of the most frequently used products and services is provided here.

If you'd like to learn more about the possibilities, please contact us for a free consultation.

ACCESS

The electronic door fitting can be mounted to doors with a PC size of 72 mm or 92 mm.

Because the door is fitted with a smart electronic system, the guests can go straight to the chalet when they arrive, and start enjoying their holiday right away.

The guest can use a smart app to unlock the door. If they prefer, they can use the personal access code, which is sent in advance.

When the guest enters the chalet, the door lock will send a check-in message to the platform, immediately informing reception that the guest has arrived.

Park employees such as technical staff and housekeeping can access the chalet using a standard RFID key ring or pass.

HEATING

The connected heating system ensures maximum comfort for your guest, improves the organisation's management efficiency and optimises energy consumption. Because the system is fully integrated with the reservation system, the chalet's thermostat can be adjusted to suit the current rental situation.

THE SYSTEM PROVIDES VARIOUS FUNCTIONS, INCLUDING:

WARM WELCOME

Because it's connected to the reservation system, the system makes sure the chalet will be at the right temperature, in time. By the time the guest arrives, the chalet will be at a comfortable temperature.

If the chalet is unoccupied, the system automatically lowers the temperature, to maximise energy savings.

THERMOSTAT

The coupled thermostat accurately monitors the temperature in the chalet. It's easy to operate: the guest simply turns the knob to adjust to the desired temperature.

LOCKING THE THERMOSTAT'S UPPER AND LOWER LIMITS

The management platform allows you to set the upper and lower limits within which the guest can adjust the temperature.

The maximum adjustable temperature is locked to make sure that 'extreme' settings can't be used.

You can also lock the minimum adjustable temperature.

This setting depends on the type of chalet, type of heating system and heating technology.



MONITORING HEAT

The temperature in the chalet is closely monitored while it is being brought up to the required level. If the expected heating curve isn't reached, the technical service will be immediately notified.

They can then identify the issue and resolve it before the guest arrives.

LOWERING THE THERMOSTAT AT NIGHT

You can also programme the temperature to lower automatically at night. The room temperature will be lowered automatically as scheduled, for example between 11 p.m. and 7 a.m.

At the end of the scheduled time slot, the temperature will reset to the required temperature or to the temperature set by the guest. Lowering the thermostat at night will save energy, and won't be noticed by your guest.

MONITORING & PRO ACTIVE MANAGEMENT

Depending on the system, the central heating boiler or heat pump transmits alerts / warnings to the management platform. Reports of malfunctions or other types of reports can also be passed on to the technical team.



This guarantees that any technical issues will be identified in good time and the technician can deal with them with no inconvenience to the guest.

UNOCCUPIED CHALET (UNRENTED PROPERTY)

If the chalet is not rented, the thermostat is automatically lowered to a pre-programmed level. The system will continue to heat the chalet at this lower temperature until a new guest arrives. This adjustment occurs automatically, which guarantees maximum energy savings.

TEMPORARY HEATING

The thermostat might be raised temporarily while the chalet is unoccupied. But this increase is only temporary. The system automatically returns to the required lower temperature after the set time. This function is provided to warm the chalet temporarily if maintenance work needs to be carried out while it's unoccupied. The thermostat might need to be raised for a brief time while repairs are being made to the heating system, for instance.

HEATING AND COOLING

The heat pump is also used in the leisure industry, and means that cooling or warming can also be controlled by a single system. KC Smart Home is also equipped for this, and can provide maximum comfort. You can now control warmth and cooling, to provide optimal comfort and regulate energy consumption.



WHAT CAN YOU DO WITH KC SMART HOME?

The graphic below shows you the system's applications and indicates which application is important for which group.

	GUEST	TECHNICAL SERVICE	FACILITIES SERVICE	RENTAL ORGANISATION
SMART LOCK	✓	✓	✓	✓
SMART THERMOSTAT	✓	✓	✓	✓
APP (FRAMEWORK)	✓	✓	✓	✓
HEAT PUMP/ BOILER		✓		✓
ACTIVE MONITORING		✓	✓	✓
DASHBOARD			✓	✓
API PMS SYSTEM				✓



WHAT ARE THE TECHNICAL SPECIFICATIONS OF KC SMART HOME?

SYSTEM ARCHITECTURE

The system architecture offers an efficient, reliable solution. Every chalet is connected directly to the internet by a fixed network connection. The system can also be connected via Wi-Fi, but a wired connection is always preferred.

Network problems and configuration issues in firewalls are avoided thanks to the reliable connection platform. This has huge benefits for installation, and certainly when it comes to maintenance.

The chalet will always be accessible, even if there's a power outage in the property.

Both pin code access and access via the app on a mobile phone will also work if the chalet's connection to the internet fails.

SECURITY

Security is paramount. This applies to security on various fronts, and is one of the main factors taken into account during the development of the KC Smart Home platform. The platform always integrates the latest available security technology.

INTEGRATION

By integrating systems you can boost your organisation's efficiency.

With KC Smart Home we focus on being in sync with PMS systems, and integration for mobile apps.

These mobile apps do not necessarily need to be provided by the PMS system supplier.

In addition to integration with PMS systems and Apps, KC Smart Home can also link to various heating systems. Again, the better the integration, the higher the degree of optimization.

INTEGRATION – PMS SYSTEM

To be able to make optimal use of the possibilities that KC Smart Home offers, it needs to be integrated with your PMS system. Thanks to our open API, it's easy to integrate with third parties. Our goal is to provide as many functionalities as possible via our API.

The PMS supplier then determines which functionalities will – or won't – be integrated in the PMS system.

INTEGRATION - APP FRAMEWORK

Certain functionalities, such as opening the door of the property, can be done via an app. KC Smart Home offers an App Framework, which can be integrated into your park app by your own app builder. Opening the door then becomes a small component of the options that your own app offers your guests. The framework is available for Android and iOS.

INTEGRATIONSYSTEMS, HEATING / COOLING SYSTEMS

The platform can be coupled with various heating systems such as central heating boilers or heat pumps. The level of this integration depends on the brand and type of heating system. For central heating boilers with the Open Therm protocol, various alarms and warnings signalled by the boiler are forwarded to the KC Smart Home platform.

However, if your heating system offers fewer options, a basic error message from the system can still be linked. Early signalling of malfunctions reduces the high priority reports to the technical service and thus contributes to more efficient work planning.

WHAT ARE THE KC SMART HOME RATES?

STARTER MODEL

PACKAGE 1

- ELECTRONIC DOOR HARDWARE, RFID
- OFFLINE APPLICATION
- NO PIN CODE POSSIBLE
- VIA API TO BE LINKED TO VARIOUS PMS SYSTEMS

BE FUTURE-READY WITH KC SMART HOME

The functionalities of the system are constantly developed and expanded, and other devices will be able to connect to the system.

The KC Smart Home platform also delivers energy savings: another way for you to be future-ready!

PACKAGE 2

SAME AS PACKAGE 1, PLUS:

- ELECTRONIC DOOR HARDWARE, RFID AND / OR PINCODE
- INTERNET DISCLOSURE
- ARRIVAL / CLEANING / BATTERY MESSAGE

PACKAGE 3

SAME AS PACKAGE 3, PLUS:

- MOBILE ELECTRONIC CONTROL DOOR LOCK BY GUEST VIA APP
- APP FRAMEWORK TBV APP INTEGRATION



MAXIMUM SAVINGS

PACKAGE 4

SAME AS PACKAGE 3, PLUS:

- HEAT / COOLING CONTROL
- COUPLING WARM WELCOME VIA PMS SYSTEM
- ACTIVE FAULT MESSAGES FROM HEATING SYSTEM

For prices and information, contact us for a free consultation.



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KC Smarthome is part of **Koole Controls**; over 20 years' experience in access control systems, climate control & automation.

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