SELTRON
SMART HEATING

# SeltronHome remote heating management





## SeltronHome remote heating management

In the age of mobile devices and general access to the internet, increasingly more control and management functions are moving to our smart phones and tablets.
Modern heating follows trends and it is becoming one of the pillars of the smart home.
The SeltronHome remote heating management solution is based on the internet access to the so-called computer cloud carrying out coordination and data flow between controllers and applications on the mobile devices of users.
Remote heating management allows users to increase living comfort and reduce heating costs.

## The CLAUSIUS application

By means of the CLAUSIUS application, users can manage the heating of their living space and domestic hot water, monitor the functioning of heating sources, receive notifications on the condition of the system, and inspect data on the acquired solar energy through their smart phones, tablets, or internet browsers, wherever and whenever, in an easy and transparent manner.

## The KELVIN application

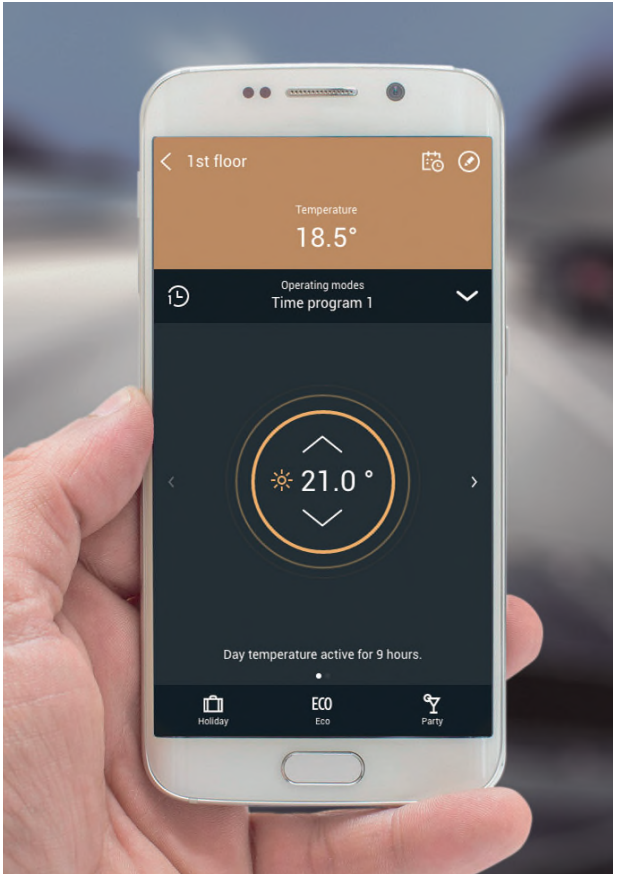
With the help of the KELVIN application, installers, after-sale maintenance and repair personnel for heating devices can offer their clients the best and fastest service and save time and travel expenses. The application enables remote control, inspection, the analysis of functioning, and the performance of after-sale maintenance and repair settings for heating controllers. The KELVIN application for installers will be available in autumn 2017.





## What are the advantages of using the CLAUSIUS application?

Contrary to the heat controller or a room unit, our smart phones are always at our reach.
Why not regulate heating from work, your couch, from your holidays, or a business trip?
You can use the CLAUSIUS application to check the condition of your heating system regardless of where you are located. You can change individual settings or take measures in the event of any errors. You can have full control of your heating system, and its handling will become simple, fun, and quick.
Seltron controllers provide efficient and economical functioning of your heating system. By monitoring the functioning and adjusting the heating to your lifestyle, you can additionally improve your comfort and increase your savings.



## Capabilities of the CLAUSIUS application



Option to regulate heating, regardless where you are located.



Naming heating areas and defining various time regimes.



Randomly changing or creating schedules.




Activation of one time domestic hot water heating.



The Party function.




The ECO function.



The Holiday function.



Switching off heating.



Weather forecast.



Assigning rights to other users to manage heating remotely.



Graphic display of the energy obtained from the solar system.



Notifying on the condition of the fuel and the need to put in more wood logs or pellets.



Inspecting the condition of temperature sensors, relays, and control outputs.



Notifying on errors and exceeding the limit values of functioning.



Option to select the authorised after-sale service provider.



Remote access option for the after-sale service provider.



Control and the choice of multiple heat sources.



Quick set-up for the whole building.



Simple installation.



## Adapting heating to your lifestyle

The CLAUSIUS application enables us to create heating schedules in the well-known environment of our mobile device.
A simple procedure is used to change the existing heating schedule and create a new one.
The application allows you to set 2 different timetables for each heated area. If you work shift work, switching between morning and afternoon, you can switch the heating timetable with one click.
Due to the procedure's simplicity and accessibility, we can use it more frequently and adjust heating to our current needs, thus increasing our comfort and reducing our costs.



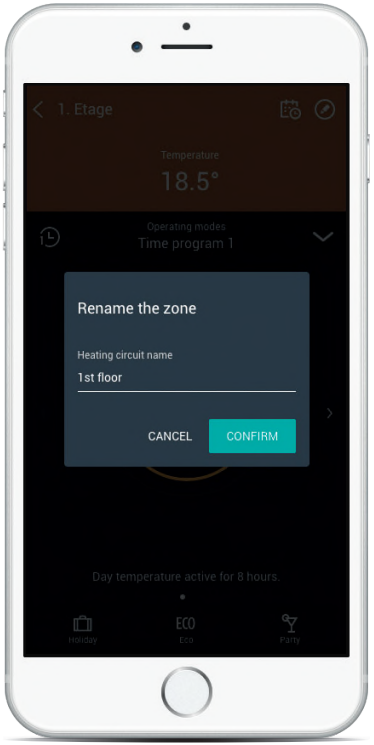


## Manage heating in multiple buildings with multiple heated areas

The CLAUSIUS application allows you to control and manage heating in multiple buildings, such as your house, weekend home, business premises, grandparent's house, etc.

You can name the buildings and the areas within them.
It is also possible to give these areas names depending on where in the building they are located: house basement, house first floor, house garage. Special schedules and heating temperature settings can be set up for each area in a building.

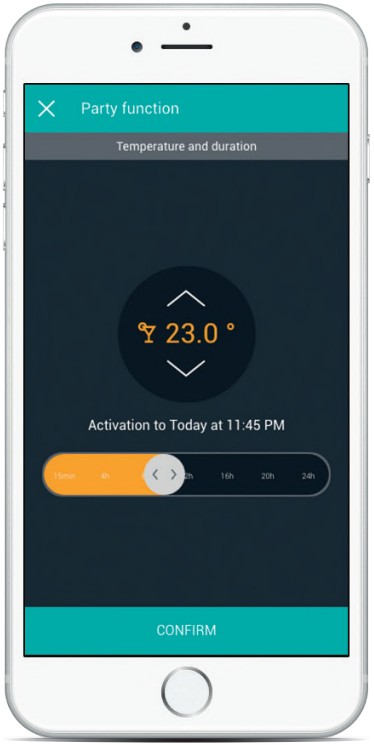
The settings can be modified for each individual area or for an entire building.




Kroepoek
CHEESE SNACKS
GOUDA
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## Fun with friends

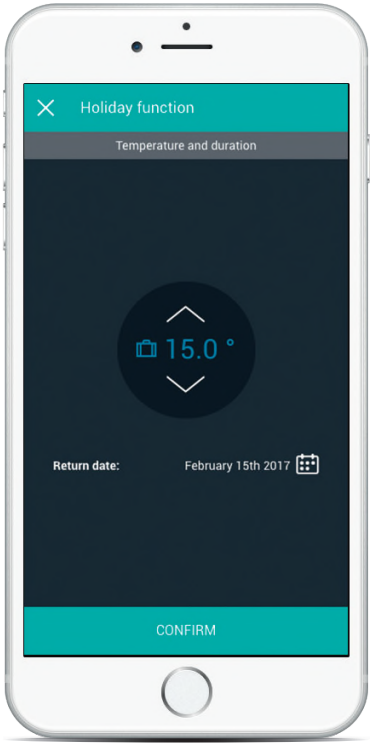
Your party is reaching its peak, but it is becoming slightly chilly. According to the schedule, the heating of your flat has already switched to the economical night-time temperature. Don't worry, you don't have to think about how to switch on the Party mode on your room unit or controller.
All you have to do is simply switch on the function Party on your smart phone and set the desired temperature and time till when you want to heat the room.
After the time set for the Party function expires, the heating will reset to your existing functioning mode.

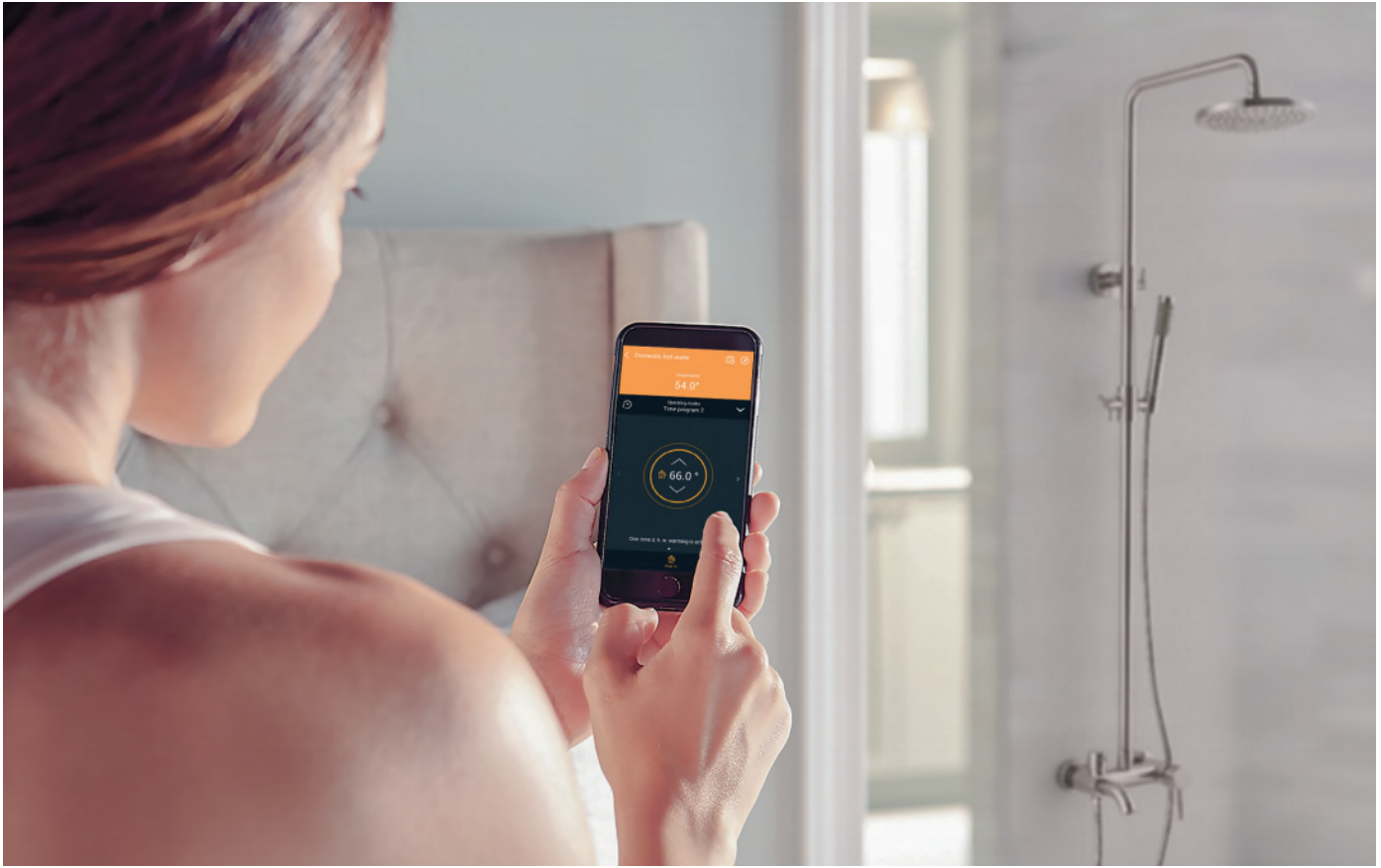




## Take a trip or go on holiday carefree

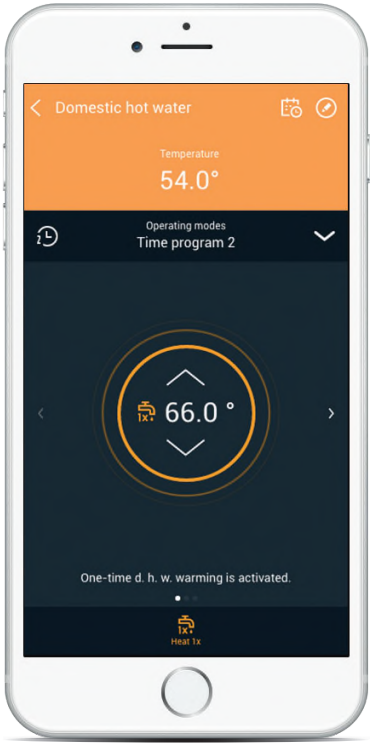
You went on holiday, but then you discovered that you forgot to reduce the heating temperature.
Don’t worry. Simply turn on the Holiday function on your smart phone with the help of the CLAUSIUS application and enter your return date.
The rooms will continue to be heated according to the temperature set for the Holiday function. After this period ends, the heating will reset to the established heating regime and you can return to a pleasantly heated home.
If you are only going on a short trip or visit, you can switch on the ECO function and thus reduce the heating temperature only for the duration of your absence (up to 24 hours).




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66.0°

## From the gym to your shower at home

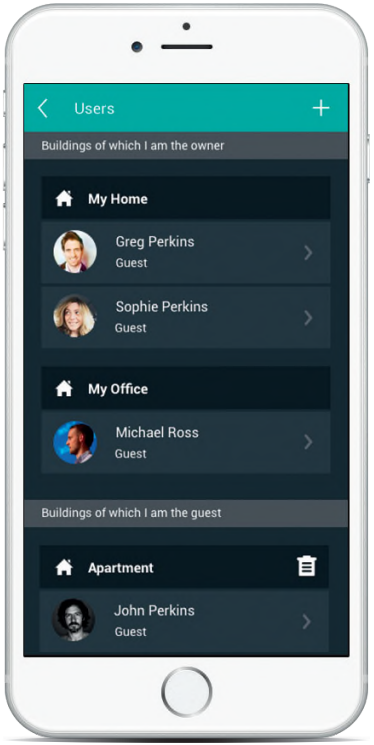
Just jump in the shower and then go run some errands.
It sounds simple enough, but the domestic hot water is heated following a specific schedule and it's currently not heating.
The solution is simple. Before heading home, use the CLAUSIUS application on your smart phone to switch on the one-time domestic hot water heating function. Before you arrive home, the water will be ready for you to enjoy.





## The CLAUSIUS application enables access to multiple users

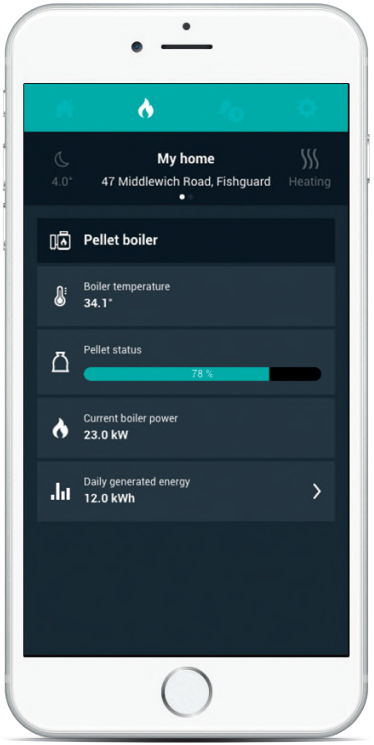
The life of your family is dynamic, full of various interests and wishes. Your daily obligations vary, as do your needs for heating rooms and sanitary hot water.
Invite your family members to also use the CLAUSIUS application and thus enable them to participate in creating living comfort and saving energy.





## Notifications on fuel status

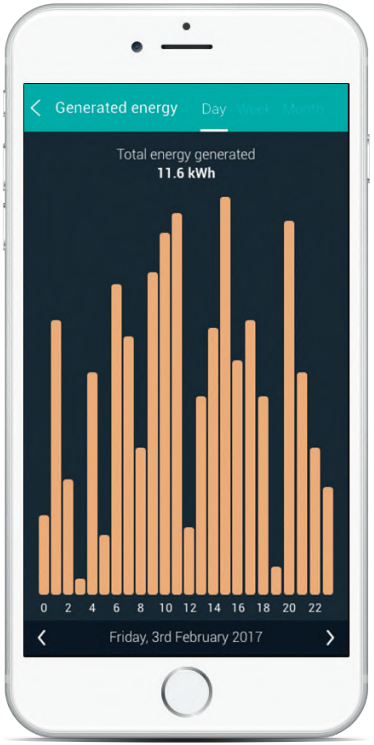
You decided to heat using renewable energy sources because this system is environmentally friendly and affordable, but in order to function smoothly, it requires you to check fuel status multiple times.
Depending on outside temperatures, you have to go to the furnace often. Sometimes you put in too much and other times you are too late and the fire goes out because of the lack of fuel.
The CLAUSIUS application provides ongoing notifications on fuel status in the furnace and heating using renewable sources becomes more comfortable. You will have to put in fuel less often and only when this is truly needed.




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## Monitoring the data on the functioning of the heating system

For advanced users and for those who are interested in the detailed functioning of the heating system, the CLAUSIUS application displays information on the calculated and measured temperatures for individual sensors.
This way, you can see the temperature of the riser, boiler, boiler sensors, containers, etc.
If you are heating domestic hot water by means of a solar system, the CLAUSIUS application displays data on the acquired thermal energy for the current day as well as the data on how much energy was acquired in the past.




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## Remote after-sale service customer support

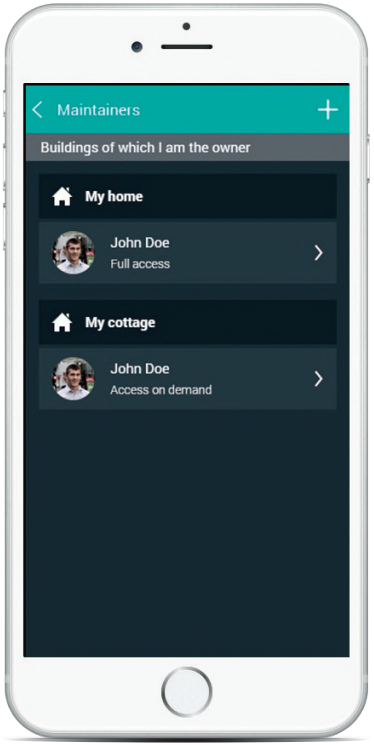
Quick notifications concerning the errors with the functioning of the heating system is of key importance, as we cannot afford lengthy interruptions in heating in winter. This is especially important if there are people in our home who are the most sensitive to temperature changes – the elderly and children.

The CLAUSIUS application will provide ongoing notifications on possible errors or malfunctions of the heating system.

But there's even more! You can use the application to select your after-sale maintenance and repair provider and grant him permanent or temporary access to your heating system. Your after-sale maintenance and repair provider will also be notified on any errors in your heating system.

He will be able to verify the functioning and any errors in functioning with the help of remote access. Based on this information, the after-sale maintenance and service provider will be able to decide whether he can solve the problem with the help of the application or whether a visit will be required to do so. In this case, he will also know which spare parts will be required for repair.

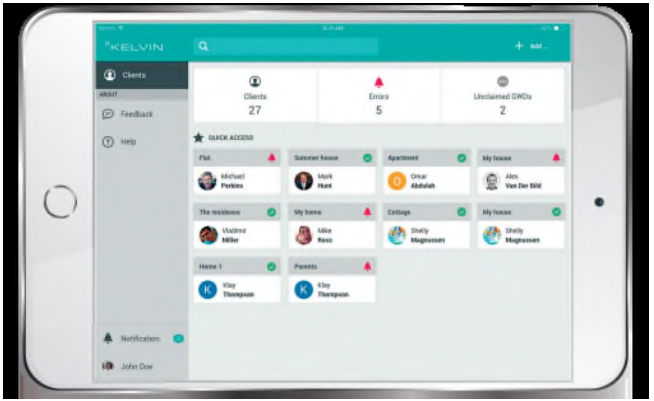
Your after-sale maintenance and repair provider will be able to do their job faster and even better.





## The KELVIN application – the list of clients

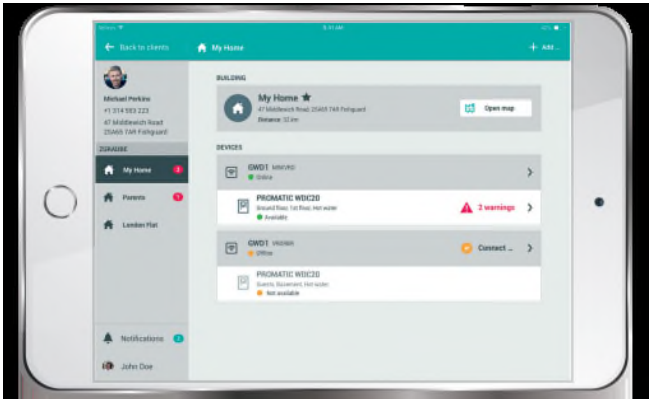
KELVIN is one of the first application that enables maintenance and repair providers for heating devices to perform a comprehensive inspection of the condition of the heating systems of their clients. In the CLAUSIUS application, clients can select their own after-sale maintenance and repair provider. The maintenance and repair provider confirms the new client and adds them to the list of his clients. This gives the maintenance and service provider the opportunity to inspect and analyse the functioning of his client's heating system.
All changes to the settings and additional comments or records created while maintenance and repair is being performed are saved into the database of the client and the building in question.




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## The KELVIN application – fast error locating

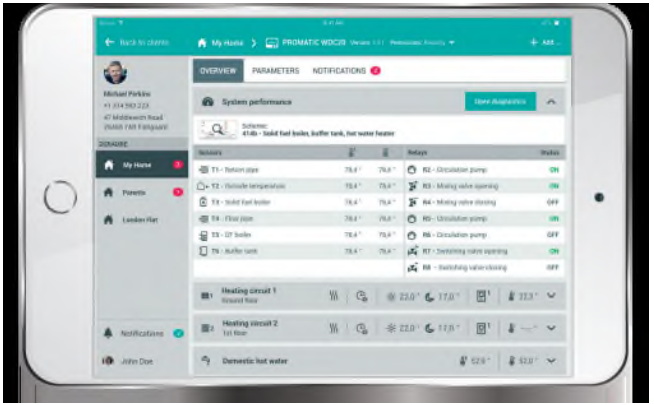
The KELVIN application provides ongoing notifications to the after-sale maintenance and repair providers concerning the clients that are experiencing unforeseen deviations or errors in the functioning of the heating system.
By inspecting the errors, the maintenance and repair provider can quickly locate the building and acquire additional information about the error.
In the event that the client must be called or visited, contact information and the building location are available in the KELVIN application.




KUNDENSERVICE
Heidi
INSTALLATEUR MARINO
SANITÄR + HEIZUNGSTECHNIK

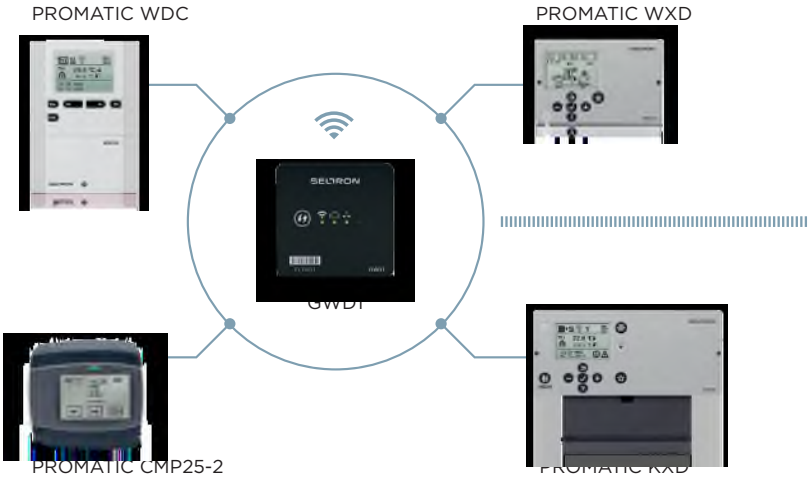
## The KELVIN application – the analysis of the functioning of a heating system

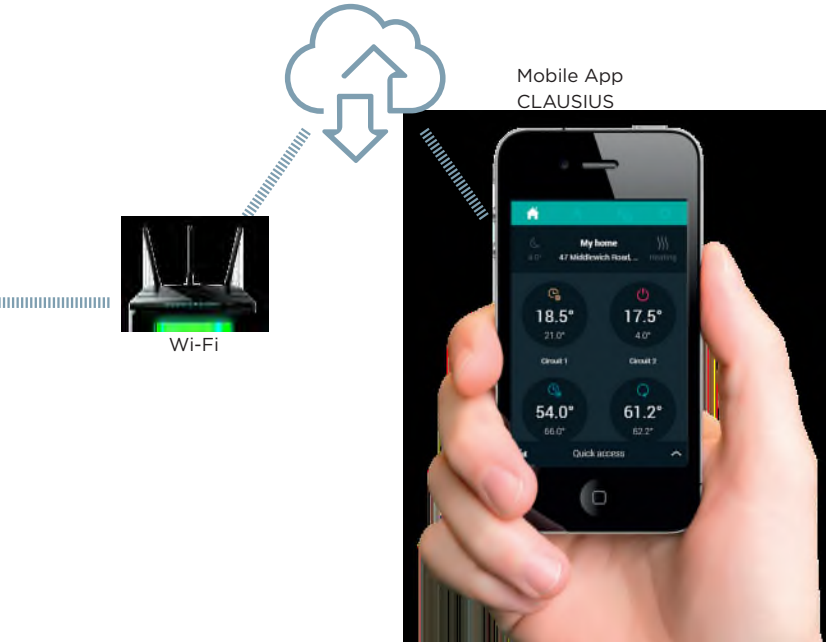
The KELVIN application does not only provide a display of errors and the performance of all after-sale maintenance and repair settings for the heating system, but it also provides an in-depth analysis of the functioning and diagnostics.
This makes it considerably easier for the maintenance and repair provider to set up the parameters for the functioning of the regulation system and to detect any deficiencies in the implementation and any deviations in the operation of the heating systems hydraulics.



## Connecting to the SeltronHome platform

- In order to connect heating controllers to the SeltronHome internet platform, the Wi-Fi communications module GWD is available.
- Method for connecting a controller with the GWD: heating controllers use the GWD interface for a wired bus connection.
- Connecting the GWD with the internet: the GWD interface connects with the internet though your home Wi-Fi network.
- Wi-Fi configuration: by means of the WPS button or the CLAUSIUS application.
- GWD charging: GWD is charged through a 230 V, 50 Hz network.
- Support for the following operating systems: android, iOS, and the browser on your PC.
- Providing secure data transfer: The data transfer between the application, the cloud, and the GWD communication interface is carried out through a secure HTTPS connection that is protected with an SSL certificate with 256-bit encryption.






## SeltronHome supports the following controller series:

- PROMATIC WDC with software v 3.1r0 and newer.
- PROMATIC KXD with software v 1.0r0 and newer.
- PROMATIC WXD with software v 1.0r0 and newer.
- PROMATIC SGC with software v 4.0r0 and newer, and
- PROMATIC KUD with software v 1.0r0 and newer.

We are actively working on providing support for the remaining heat controller series. Controllers with older software versions must be updated prior to being included in SeltronHome, and this can also be done through a flash drive in the field.
The updated list of supported controllers can be found at “www.seltronhome.com”.

# App Clausius download

**MOBILE APPLICATION**
Download the Clausius mobile application by scanning the QR code or search for *'SeltronHome Clausius'* in the App Store or Google Play Store.

Available on the App Store

ANDROID APP ON Google play

**WEB APPLICATION**
You can test Clausius web application by visiting the link *https://clausius.seltronhome.com* or by scanning the QR code.

WEB

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