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# Smart Garden

Smartphone application for  
managing garden irrigation  
systems and remote controlling  
of automatic sprinklers.



MEGAMONT



Monitor inženjering

a brand by..



MEGAMONT

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Smart garden application

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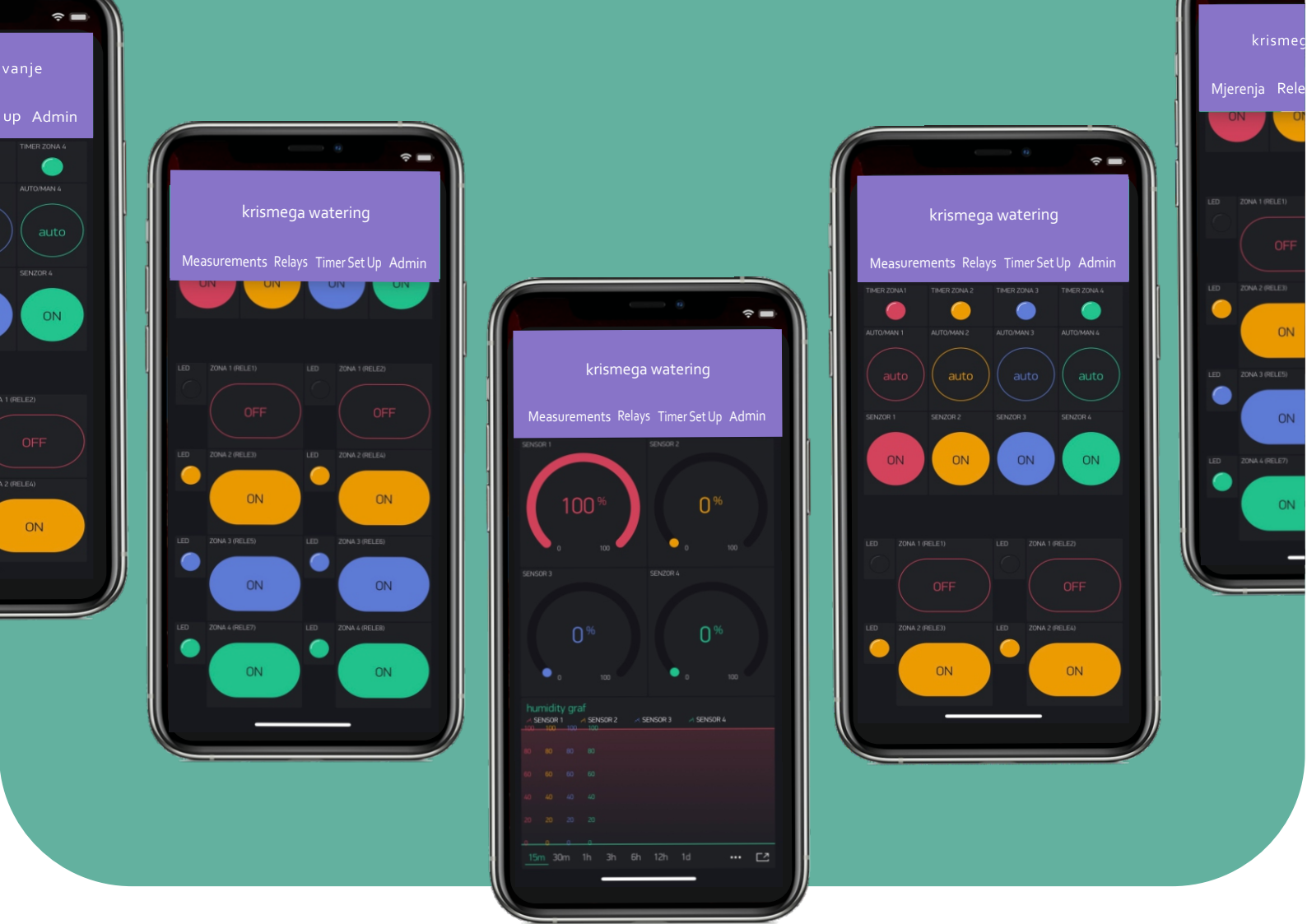
Smart

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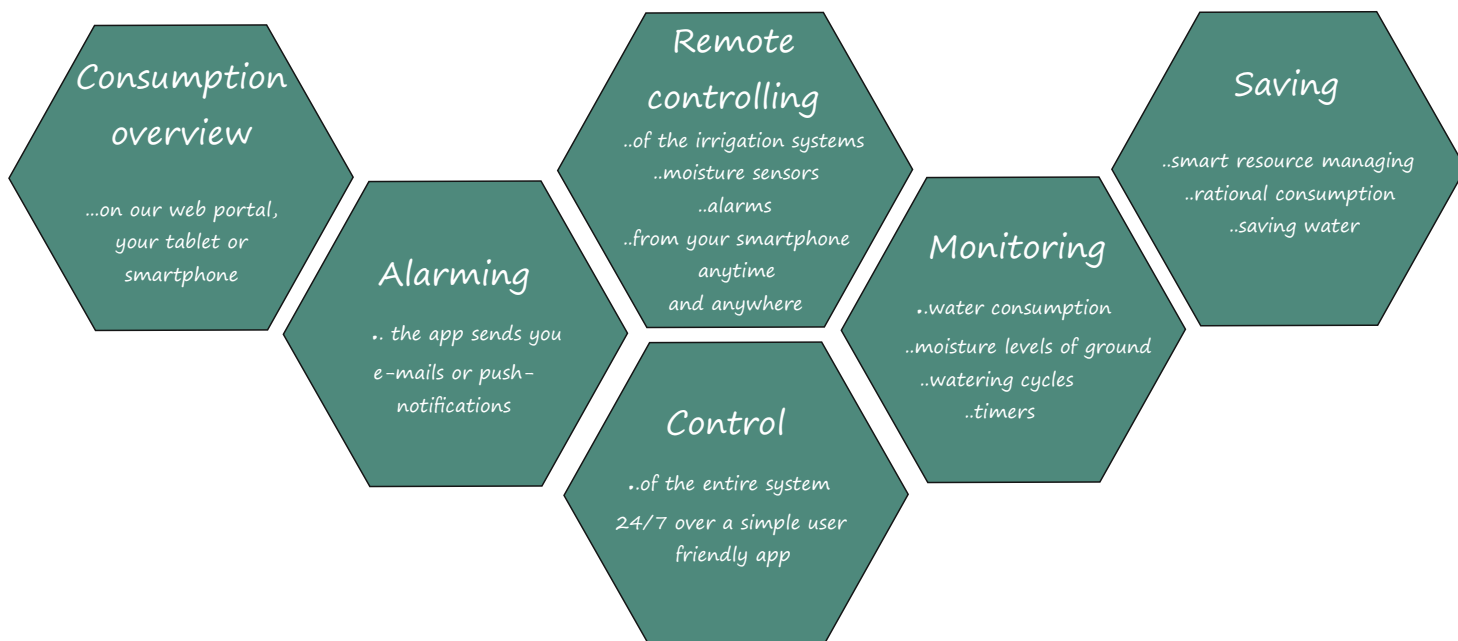
The Smart Garden app is designed as a supplement to classical automated systems for garden watering. It allows the remote controlling of irrigation systems from anywhere and anytime, all from your smartphone.

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Garden



## Services:

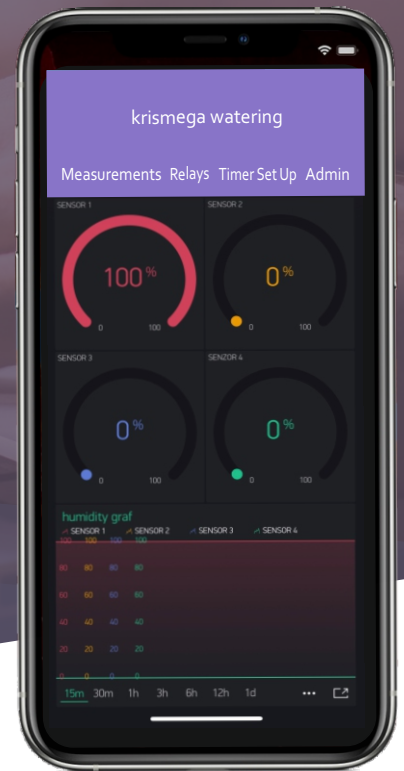


## How does the Smart Garden app work?

The main controller box collects the data from the moisture sensors implanted into the ground and sends them to your smartphone every minute, where you can easily view the moisture level of ground through a simple graphical display.

In case of high moisture level, sudden rain or any other similar occurance, the system automatically alarms you by sending you an e-mail or a push-notification allowing you this way to react in real time. You easily can turn off the sprinklers or postpone the watering by using the app.

Besides monitoring the moisture level of ground Smart Garden offers a wide variety of other possibilities such as setting the timers and watering cycles providing you with a full control over the system.



Timers

Alarming

Watering  
cycles

Moisture  
level

## Why choose Smart Garden?

Simple design

..the app is user-friendly and easy to install

It is a moder solution

..it uses wifi technology

Offers a wide variety of possibilities

..the app is highly adjustable to customers' needs and can be easily personalized

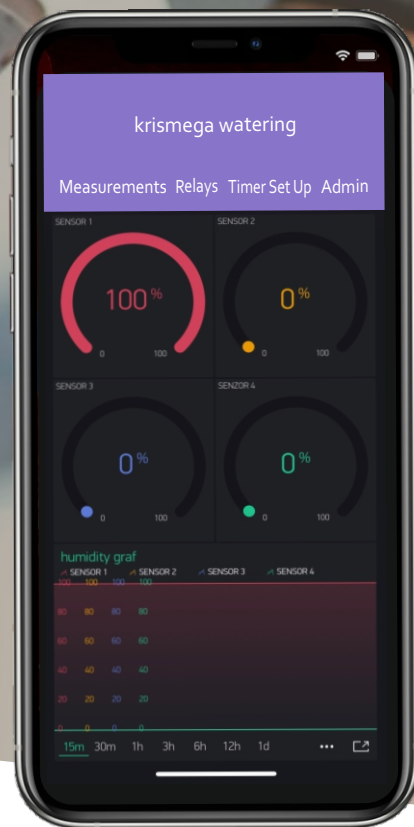
It is always up-to-date

..the app is constantly developping and updating





## Measurements



*Graphical display of moisture level*

*4 circular diagrams  
..display of moisture levels  
in percentage, relevant  
to 4 different sensors*

*Linear graph  
..a linear display of moisture  
levels per hour*

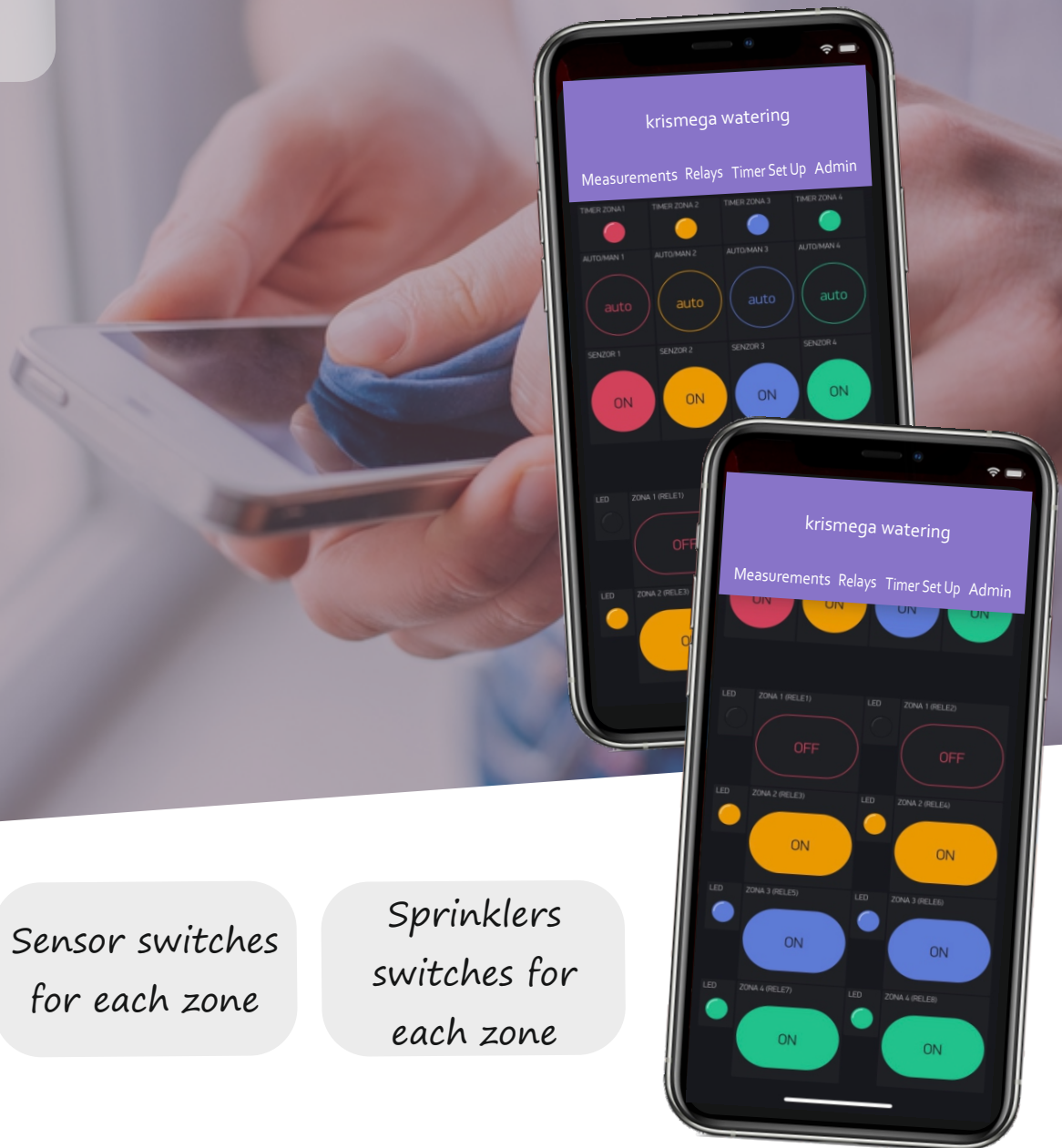
The first tab of the application - MEASUREMENTS - contains a graphical display of the ground moisture level, measured over 4 moisture sensors implanted into 4 different points into the ground.

The main controller box collects the data from the sensors and sends it to your smartphone in real time.

This way the app enables the monitoring of ground moisture from anywhere and anytime, and allows you to remotely cancel or postpone watering if necessary.

In case of very high or excessive moisture level, caused by unexpected scenarios, such as sudden rain or similar the system automatically alarms you by sending you an e-mail or push-notifications, always keeping you updated and allowing you this way to react in real time; by cancelling or postponing watering inside the app.

## Relays



*Timers  
divided by zones*

*Sensor switches  
for each zone*

*Sprinklers  
switches for  
each zone*

## Relays

The second tab of the application - RELAYS - represents the controlling unit where you can easily monitor timers for each zone. By clicking on each timer you access the relevant timer set up where you can adjust them; you can turn them ON/OFF, change the exact hour of watering or set the watering cycles.

This tab also contains switches for turning on/off the moisture sensors, as well as switches for remote turning on/off the sprinkles. The main controller can have from min 1 relay up to max 8 relays. The pictures shown in this brochure display an example with max number of relays (8), divided into 4 zones.

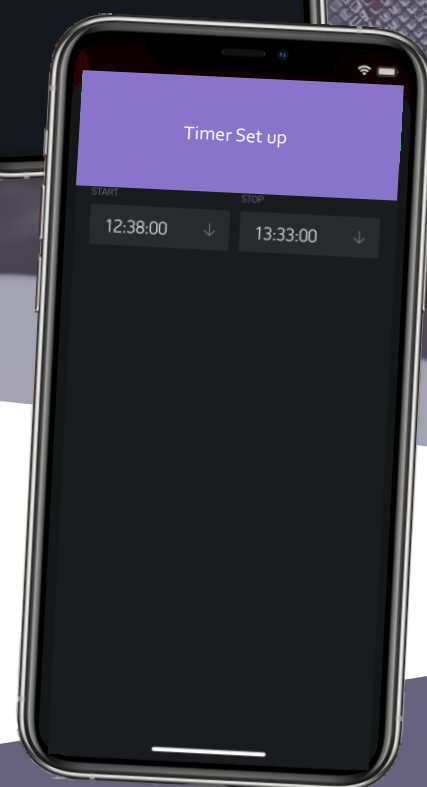
Depending on the moisture level the sprinklers turn ON or OFF. In this example all the sprinklers are active, except for the sprinklers in the 1.zone where the moisture level has reached its maximum.

## Timer Set Up



Setting the  
timer options

Setting the  
watering cycles



### Timer set up

The tab - **TIMER SET UP**- contains the timer configuration (exact watering times) for each individual zone, for morning and afternoon hours. Here you can select and change hours when needed.

By clicking on each timer (or zone) you access the watering cycles set up - **TIMER SETTINGS** - where you can view the starting and finishing time of watering for the selected zone. This example shows the starting and finishing time relevant to the 1st zone (morning).



## Admin Set Up

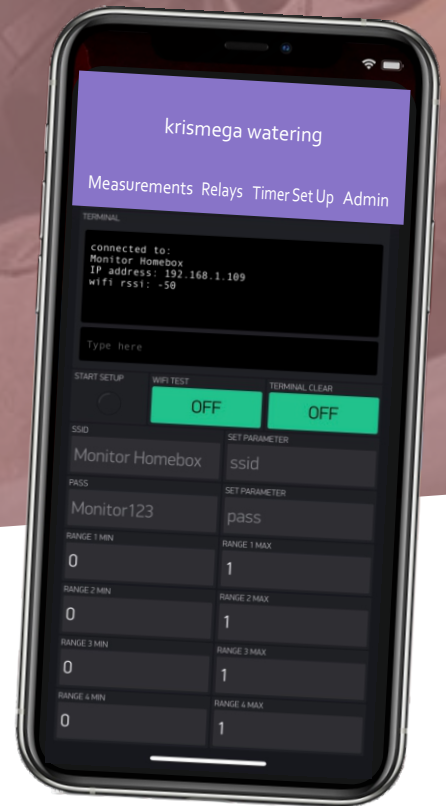
The last tab of the application contains the app settings - ADMIN SET UP- the administrative unit where you can register by typing in your username and password and connect to Internet.

Button: 

> the application is in operating mode (when clicking on it the app enters the editing mode)

Button: 

> the app is in editing mode



Connecting to  
Internet

Application  
settings

The monitoring set involves:

- 1) a controller with 2 cables
- 2) an user friendly application which connects your smartphone with the main controller

In order to put the controller into service you need to:

1. Connect to the hot spot on your smartphone and set up the username and password which you've received together with the documentation of the device.
2. Next, install the application and log in by typing in the username and password intended for running the app.
3. After having completed the installation of the app switch ON the controller by pressing the ON button located on the controller itself.
4. Enter the set up of the application and type in the username and password of your internet router and connect to Internet.