



Professional Irrigation



Öntözőrendszer a  
3. évezredben

PROFESSIONAL IRRIGATION SYSTEMS

fliwver<sup>®</sup>



rain



**fliwer**<sup>®</sup> **FELHASZNÁLÓK**



## Házikert VÉGFELHASZNÁLÓ

## MIT SZERETNE?

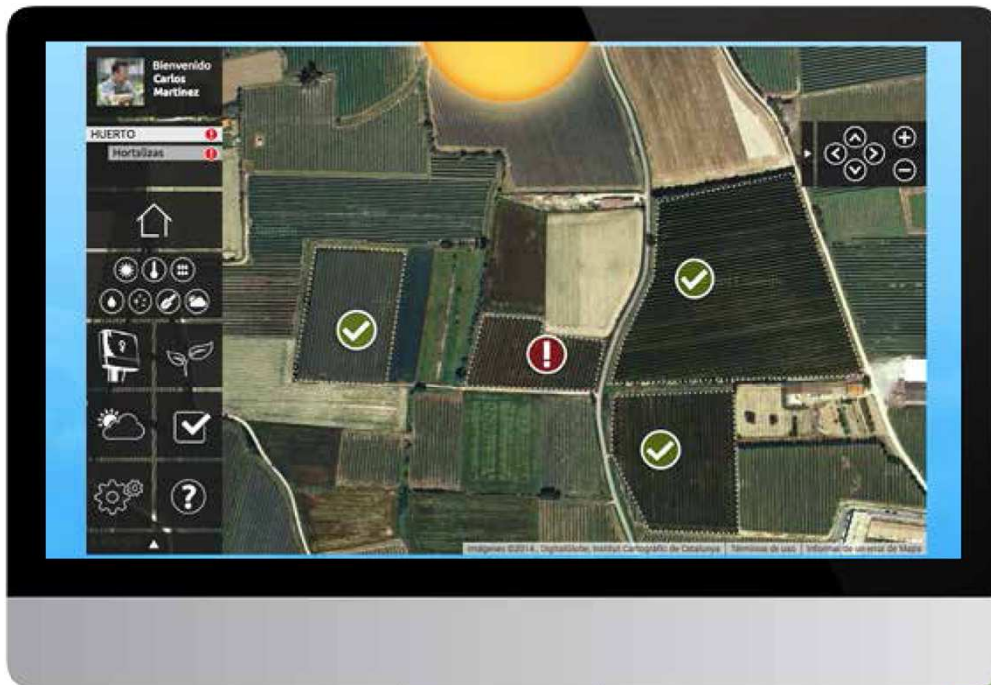


**Rendben van-e minden?**

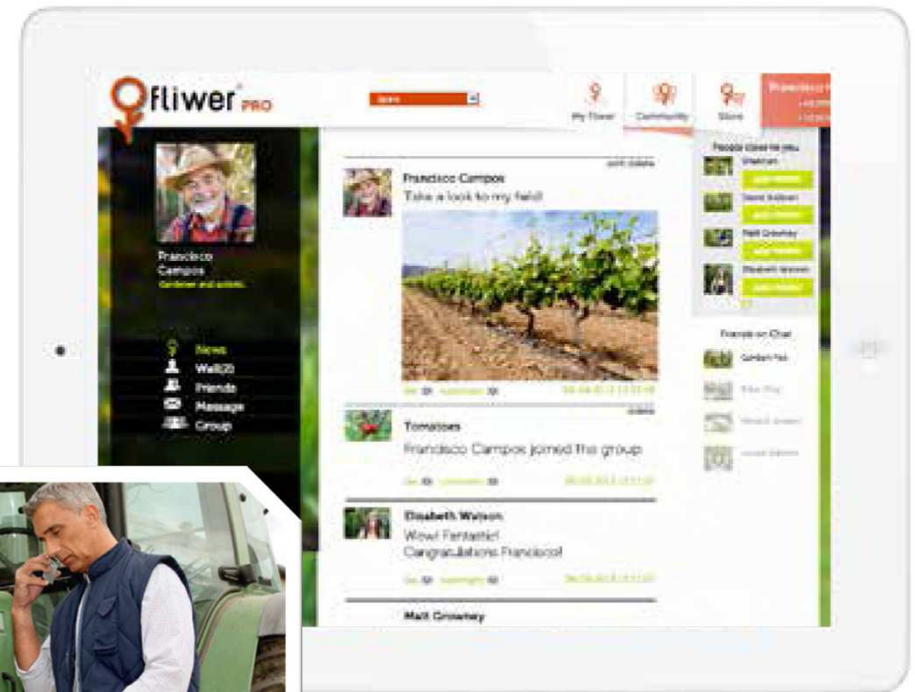


**Másokkal megosztani a sikereit. Tanulni, problémát megoldani.**

## Park, Sportpálya, Mezőgazdaság VÉGFELHASZNÁLÓ



**Rendben vannak a dolgok?**



**Tudás Megosztás**



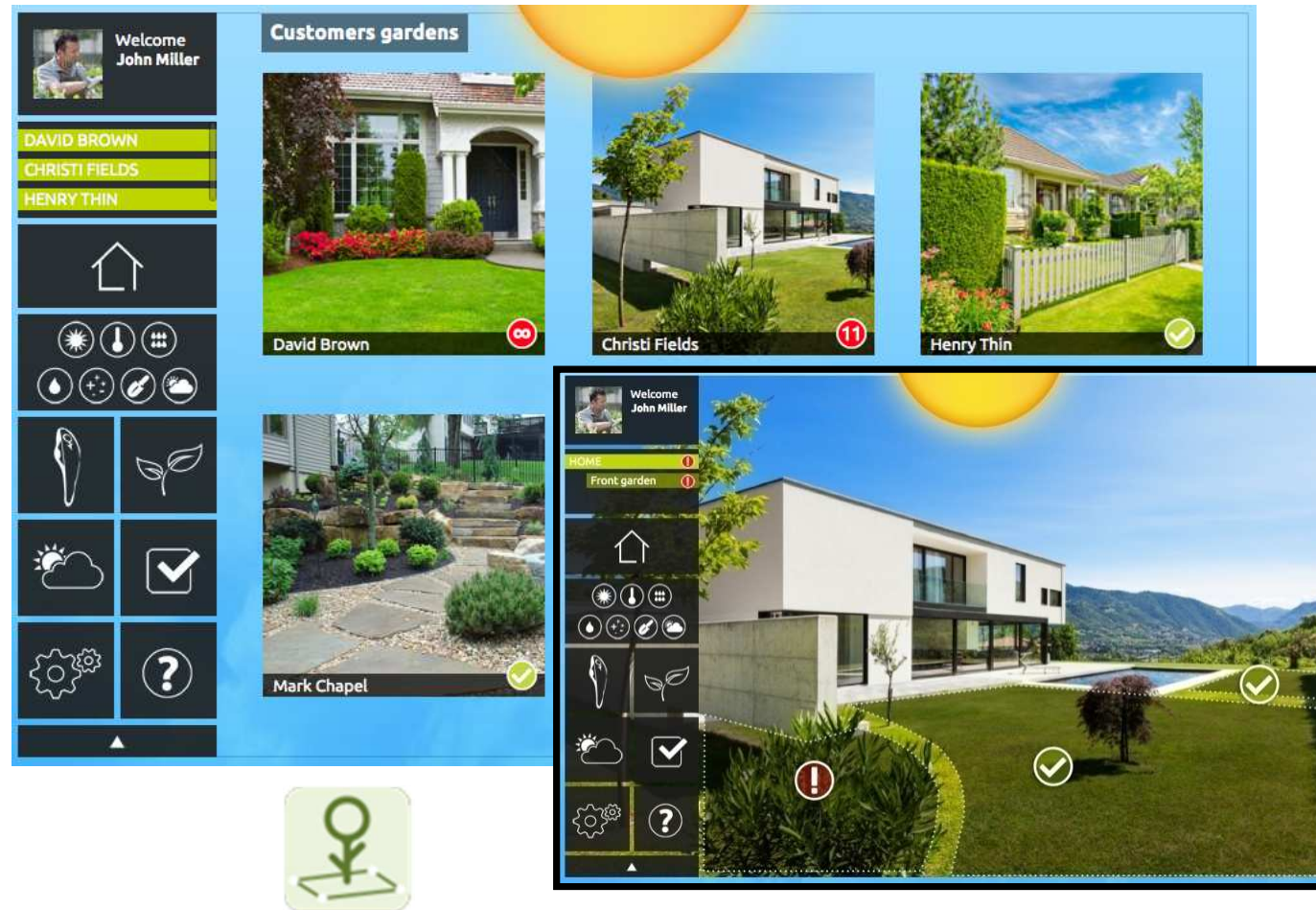


## KARBANTARTÓ

Távfelügyelet a növények életkörülményeire, öntözésre, környezeti paraméterekre.

Öntözés távvezérlése.

Figyelmeztető üzenet, ha súlyos hiba van.





## A KERESKEDŐ

Szeretne eladni növényeket, tápszert, eszközöket, stb a végfelhasználónak.

Hogyan:

- 1 – kapcsolattartás: „Green(Face)Book”
- 2 – tanácsok a problémákra, fejlesztésre
- 3 – személyre szabott promóciók

The screenshot displays the fliwer plant&play mobile application interface. At the top, the fliwer logo and navigation icons for 'my Fliwer', 'Community', and 'Store' are visible. The main content area shows a 'green BUSINESS' group page. The group name 'Green Business' is prominently displayed. Below the name, there are navigation options: 'News', 'Wall(2)', 'Friends', 'Message', and 'Group'. The main feed contains several posts:

- A post by Alisson Simmons titled 'Nuestros nuevos productos!' featuring a photo of a garden with pink flowers and white daisies. It includes 'like (0) - comment (0)' and a timestamp of '08-08-2013 13:23:08'.
- A post titled 'Tomatoes' by Alisson Simmons stating 'Alisson Simmons joined the group'. It includes 'like (0) - comment (0)' and a timestamp of '08-08-2013 13:11:00'.
- A post by Elisabeth Watson titled 'Muy bonitas! Que precio tienen?' with 'like (0) - comment (0)' and a timestamp of '08-08-2013 13:11:00'.
- A post by Matt Growney titled 'How you did that? Invite me!' with 'like (0) - comment (0)' and a timestamp of '08-08-2013 13:11:00'.

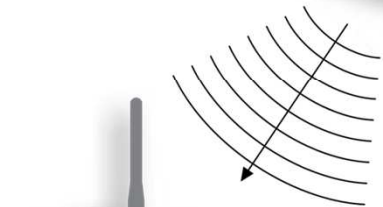
On the right side, there is a sidebar with 'People close to you' and 'Friends on Chat' sections, each listing names and 'ADD FRIEND' buttons.



**fliwer**<sup>®</sup> rendszer

Felhő  
Adatbázis + Kiszolgáló

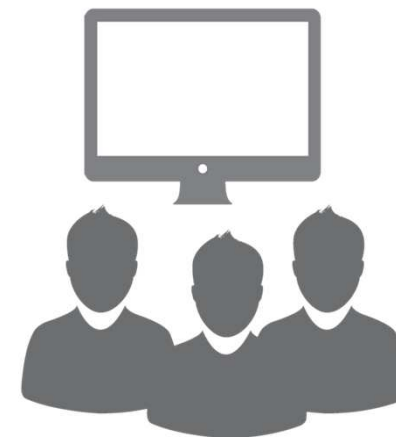
Kapcsolat



Vezérlő



Felhasználók



Sensor



# fliwer Sensor



**Fény** - napkelte/napnyugta időpontja, napsütéses órák száma az adott növény esetében.



**Környezeti hőmérséklet** – pontos talajmenti és talaj hőmérséklet



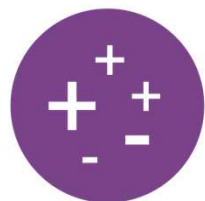
**Páratartalom**- becsülhető a növény evapotranspirációs vesztesége, vízvesztesége.



# fliwer Sensor



**Talajnedvesség** - a legfontosabb paraméter a növény szempontjából.



**Talaj vezetőképesség** - informál a talaj tápanyag tartalmáról.

### fliwer Sensor



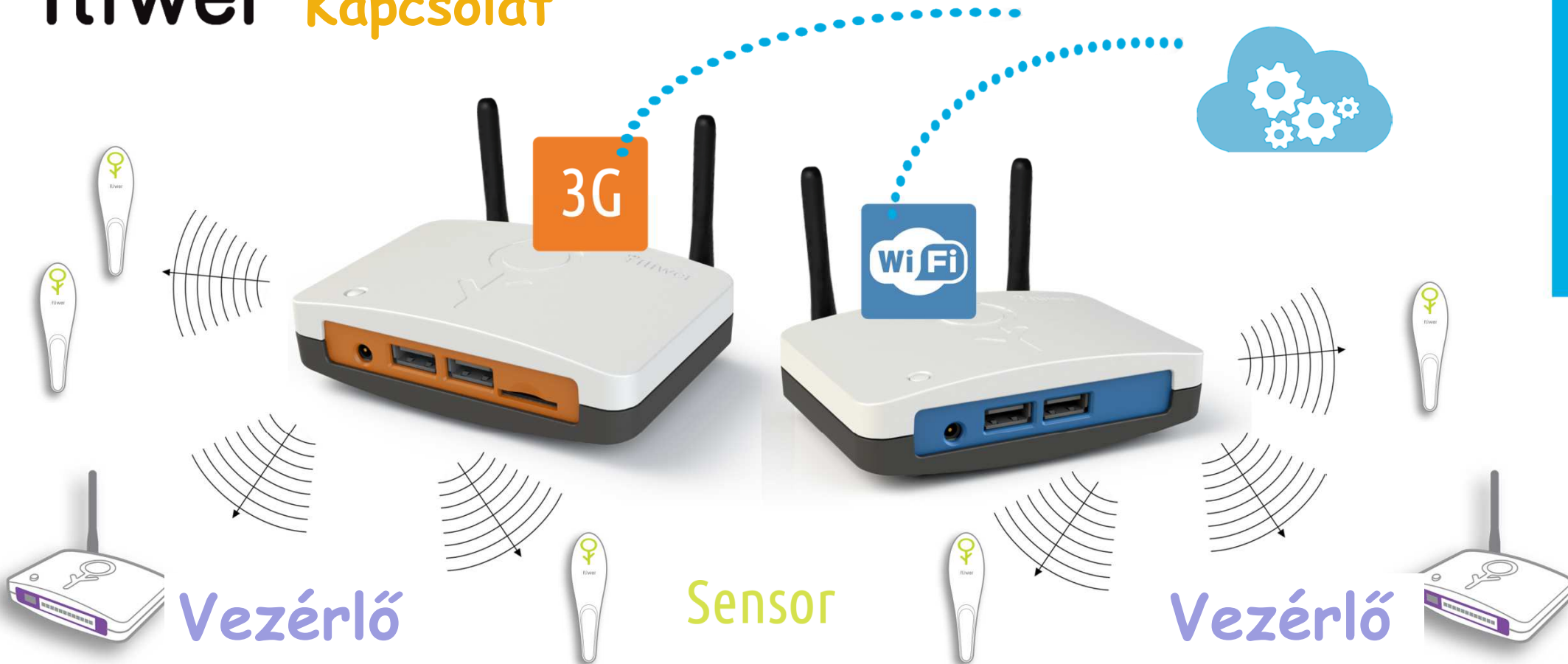


# fliwer Szelep



# fliwer **Kapcsolat**

Felhő



FLWER LINK



# fliwer Vezérlő

A Fliwer Vezérlő úgy működik, mint egy normál Öntözés Vezérlő.

24VAC vagy 9VDC szelepek.  
Beépíthető új és régi rendszerek esetében is.

Csak a WEBes applikáción keresztül programozható.



10:48 Saturday, October the 24th fog 7°C 93% 1023hPa

Rain spa Cerro Maggiore, Lombardia, Italy

### Control configuration A57070910F0002C8

Slot	Zone	Timer	Pump	Simultaneous Valves
1	Zona frontal - gr	+ 12 min -	Bomba: NO	valve 3 - S3, valve 4 - S4, valve 5 - S5, valve 6 - S6
2	Zona frontal - gr	+ 12 min -	Bomba: NO	valve 3 - S3, valve 4 - S4, valve 5 - S5, valve 6 - S6
3	Zona frontal - gr	+ 12 min -	Bomba: NO	valve 2 - S2, valve 4 - S4, valve 5 - S5, valve 6 - S6
4	Zona frontal - gr	+ 12 min -	Bomba: NO	valve 2 - S2, valve 3 - S3, valve 5 - S5, valve 6 - S6
5	Retro - Grass	+ 16 min -	Bomba: NO	valve 1 - S1, valve 2 - S2, valve 3 - S3, valve 4 - S4, valve 6 - S6
6	Retro - Grass	+ 16 min -	Bomba: NO	valve 1 - S1, valve 2 - S2, valve 3 - S3, valve 4 - S4, valve 5 - S5

Grass Ninguna



# fliwer Control PRO

Fliwer Control PRO will ...

- have more powerful antenna
- have fully **waterproof body IP68**



# fliwer Control PRO

Fliwer Control PRO will ...

- have more powerful antenna
- have fully waterproof body IP68
- **manage all other peripherals** like light systems, fans, house gates, extractors, pumps, etch. as well as the solenoid valves



# fliwer Link PRO

Fliwer Link PRO will ...

- have more powerful antenna
- have fully waterproof body IP68
- be able to be **connected to any webcam**, to remote control your home





# fliwer Logger PRO

Fliwer Logger PRO will ...

- have a powerful antenna
- have fully waterproof body IP68
- be able to be **connected to specific devices**, like flowmeters and any other gauges & sensors



Internet alapú  
vezérlő és  
kapcsolattartó  
rendszer

amely segítségével  
felügyelni, öntözni, táplálni  
lehet a fűvet, növényeket!  
Jelez, ha gond van.

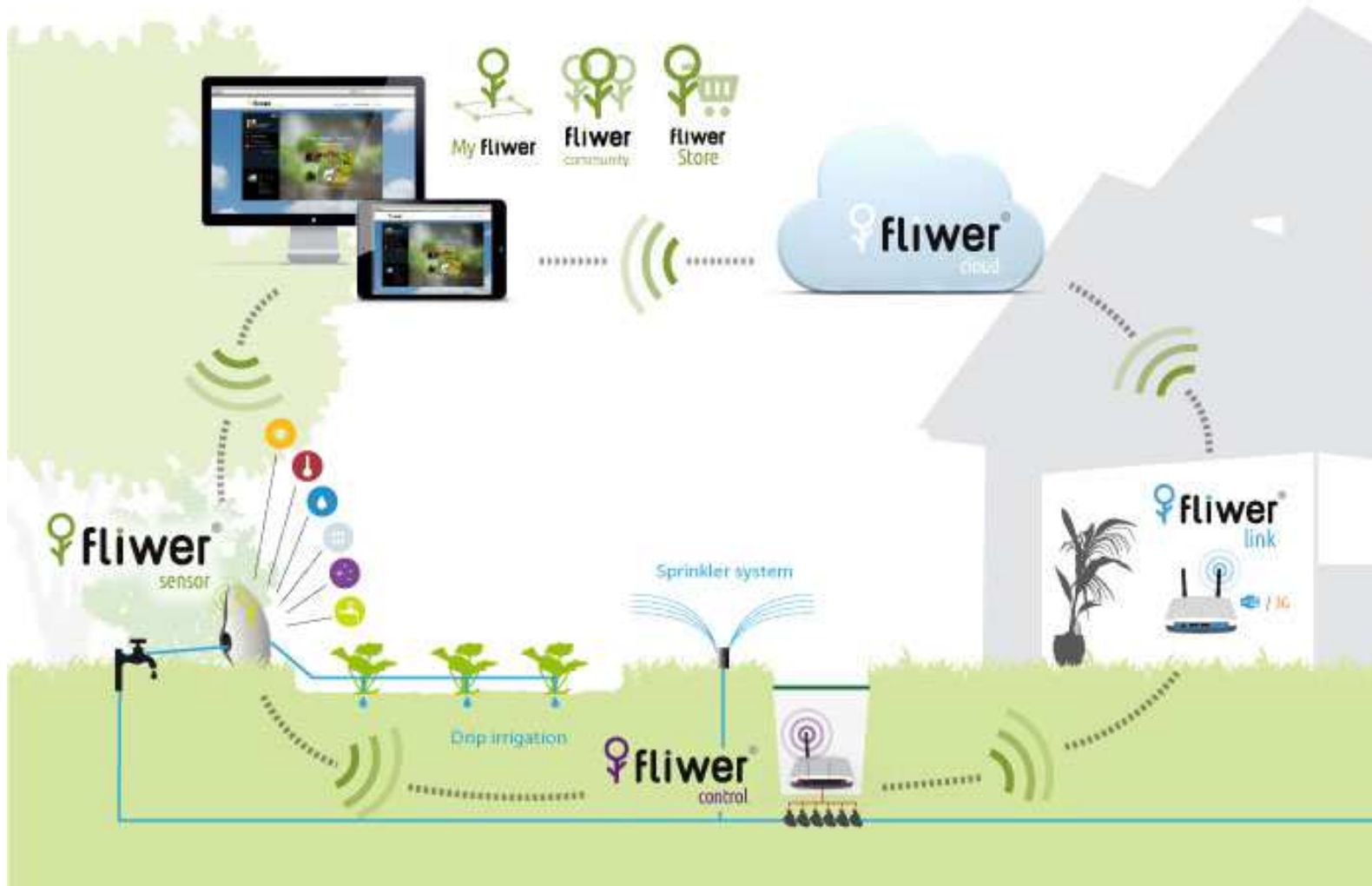


fliwer®

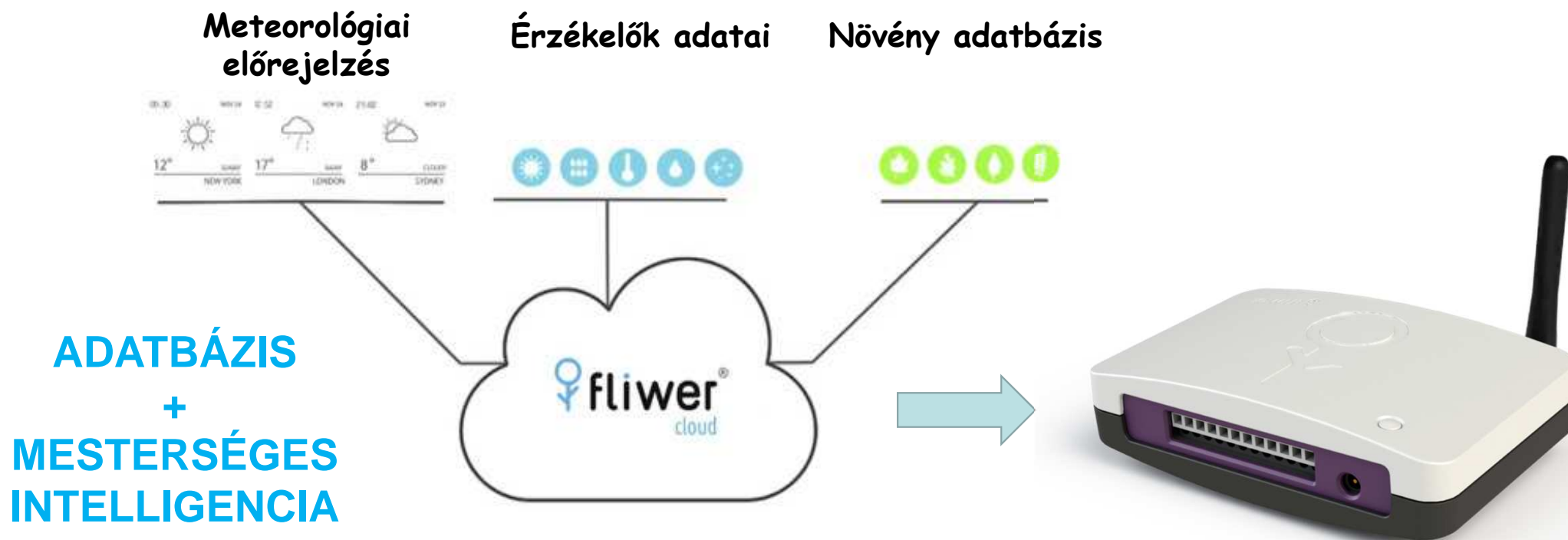


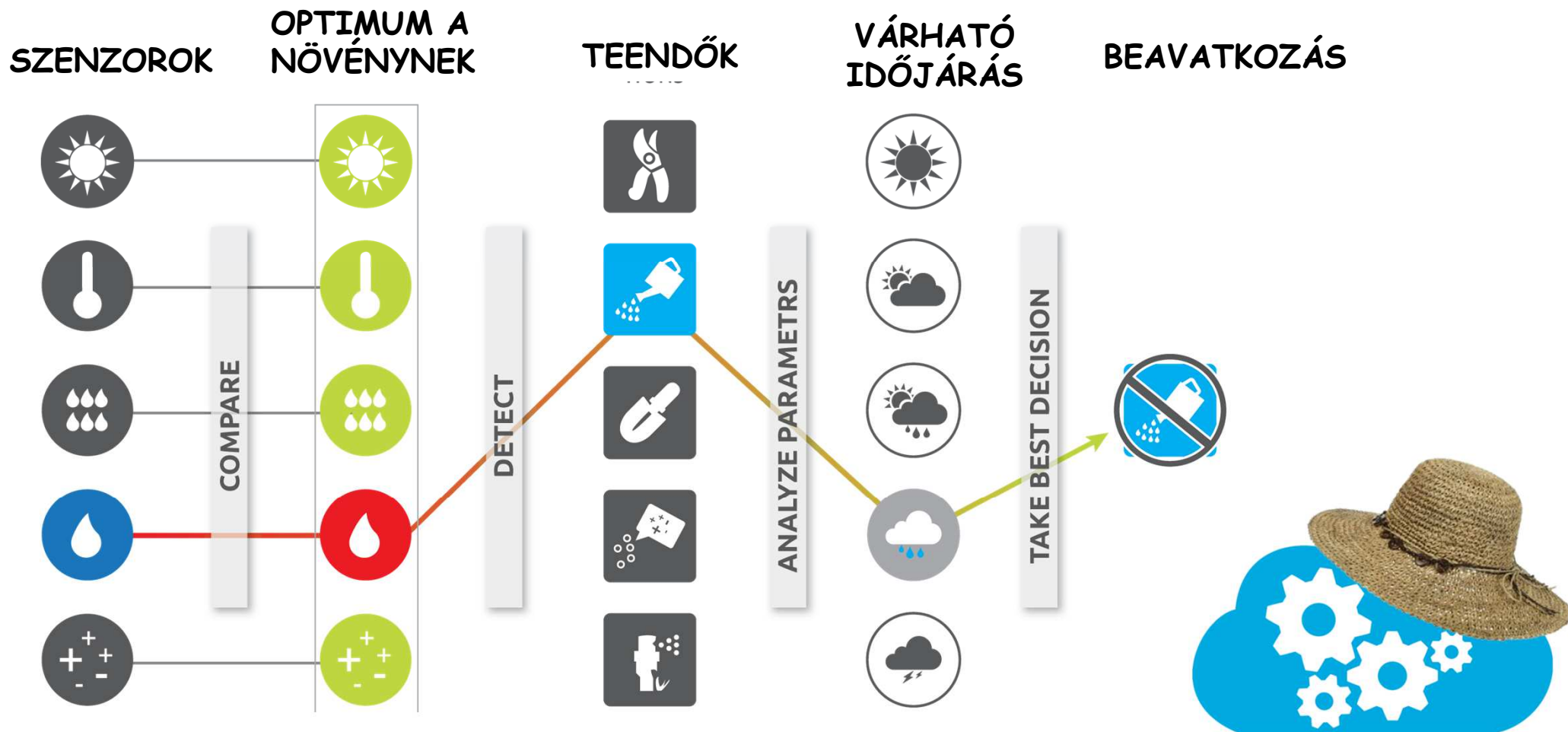






# fliwer Beavatkozás Alapelve







## VÍZ MEGTAKARÍTÁS!

Előre figyelembe veszi a közeljövőben érkező csapadékot!



A **fliwer**<sup>®</sup> egy teljesen új koncepcióra épülő rendszer, amely .....

- folyamatosan méri a környezeti paramétereket
- pontosan tudja milyen növények vannak a kertben
- tudja, hogy mi az adott növény egyedi igénye
- pontosan úgy öntöz(tet), tápoldatoz(tat), ami megfelel a növény igényeinek
- üzenetben informál mi történik, jelzi, ha hibát detektál

Olyan mint egy **PROFI KERTÉSZ** aki 24 órában ott van

fliwer

# KERESKEDŐI FELÜLET

Helyzettől függő ajánlatok elhelyezése.

DISTRIBUTORS

Rain spa Cerro Maggiore, Lombardia, Italy 18:04 Monday, October the 26th clear sky ↓ 18°C 52% 1021hPa

**FERTILIZER ALERT**  
Your plant need fertilizer but best wait the next watering to apply it.

Have you seen this alert?

RECOMENDED PRODUCTS

- COMPO Universal Liquid Fertilizer 1000mL
- COMPO Blue Universal Fertilizer NovaTec® 1kg

Grass Zona frontal

Rain spa Cerro Maggiore, Lombardia, Italy 18:05 Monday, October the 26th clear sky ↓ 18°C 52% 1021hPa

**MAINTENANCE ADVICE**  
If your lawn has reached a considerable height, never cut with a single blow. This is not recommended cut more than one third of the length of the grass. Adjust cutting height higher than normal and wait a few days to re-cut down to the desired height.

Have you seen this advice?

RECOMENDED PRODUCTS

- VIKING ME 235 Electric mower for small surfaces
- VIKING MA 339 Accumulator Mower. Great for surfaces up to 300m2.

Grass Zona frontal



Home Rain spa Cerro Maggiore, Lombardia, Italy 10:11 Wednesday, October the 28th partly sunny 11°C 96% 1019hPa

85  $\mu\text{S}$  2000 $\mu\text{S}$

36 %

85  $\mu\text{S}$  150 $\mu\text{S}$

10/28/2015 03:11:49h

01 / 01


Share


**FERTILIZER ALERT**

Your plant need fertilizer but best wait the next watering to apply it.

Have you seen this alert?

RECOMENDED PRODUCTS

 COMPO Universal Liquid Fertilizer 1000mL

 COMPO Blue Universal Fertilizer NovaTec® 1kg

Grass Zona frontal

ALERT SAMPLE

Home Rain spa Cerro Maggiore, Lombardia, Italy 18:05 Monday, October the 26th clear sky 18°C 52% 1021hPa

95% 36% 75% μS

01 / 01



Share

### MAINTENANCE ADVICE

If your lawn has reached a considerable height, never cut with a single blow. This is not recommended cut more than one third of the length of the grass. Adjust cutting height higher than normal and wait a few days to re-cut down to the desired height.

Have you seen this advice?

#### RECOMENDED PRODUCTS

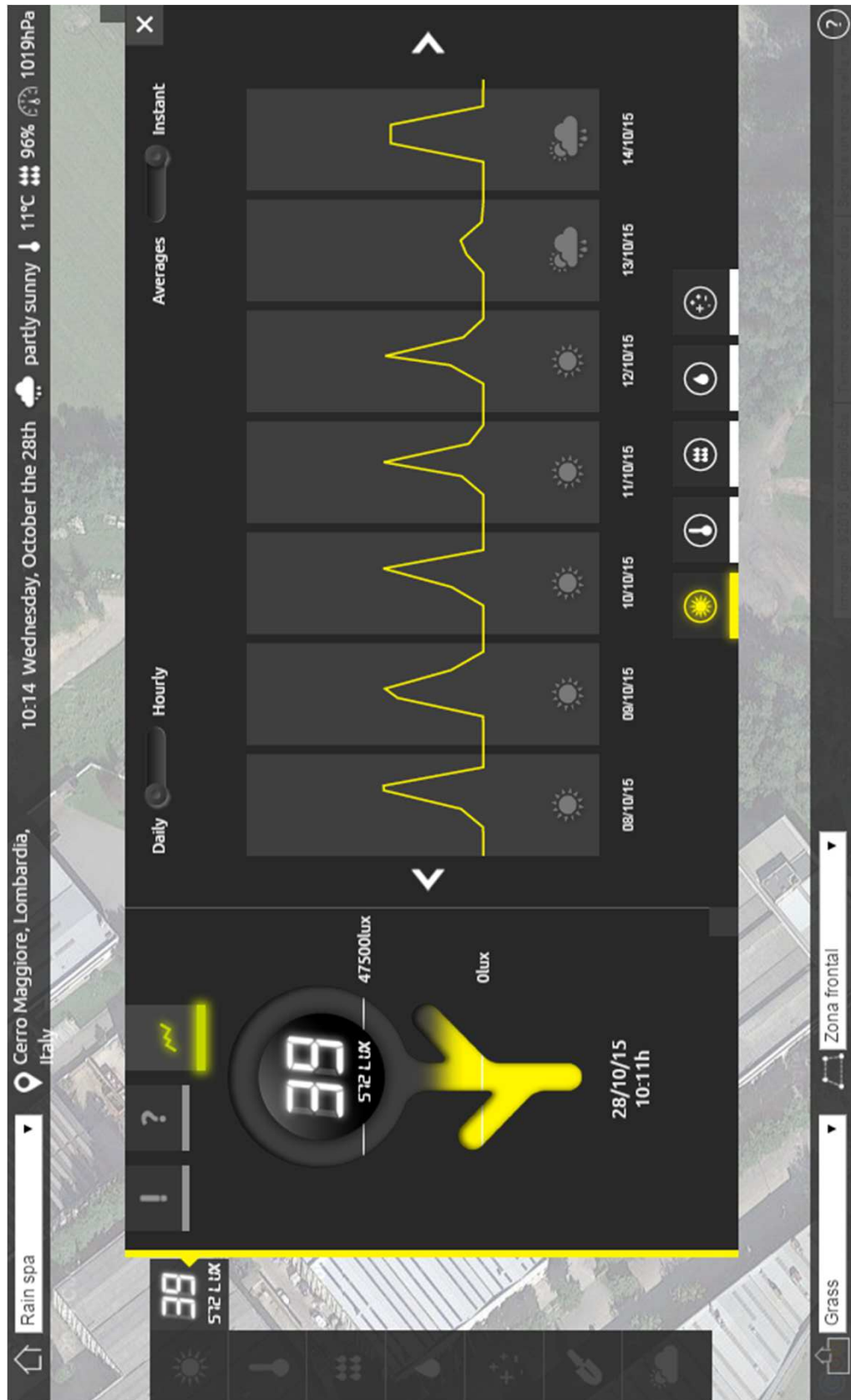
	<b>VIKING ME 235</b> Electric mower for small surfaces		<b>VIKING MA 339</b> Accumulator Mower. Great for surfaces up to 300m2.
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Grass Zona frontal

ALERT SAMPLE



SOME SCREENSHOT





SOME SCREENSHOT

The screenshot displays the Rain spa mobile application interface. At the top, the location is identified as "Rain spa" and "Cerro Maggiore, Lombardia, Italy". The current time is 10:15 on Wednesday, October 28th, with a temperature of 11°C and 96% humidity. The weather is described as "partly sunny".

The main display features a large temperature gauge showing 11°C. Below the gauge, the date and time are 10/28/2015 03:11:49h. A red Y-shaped icon is positioned over the gauge.

The forecast section includes a 7-day view with a red line graph showing temperature fluctuations. The forecast data is as follows:

Date	Time	Weather Icon
22/10/15		Sunny
23/10/15		Partly Cloudy
24/10/15		Partly Cloudy
25/10/15		Sunny
26/10/15		Partly Cloudy
27/10/15		Sunny
28/10/15		Sunny

At the bottom of the app, there is a navigation bar with icons for Home, Alerts, Settings, and other functions. The bottom status bar shows "Grass" and "Zona frontal".





SOME SCREENSHOT

The screenshot displays the Rain spa mobile application interface. At the top, the location is set to "Rain spa" and "Cerro Maggiore, Lombardia, Italy". The current time is 10:16 on Wednesday, October 28th, with a temperature of 11°C and 96% humidity. The weather is described as "partly sunny".

The main screen features a large green plant icon with a red "95" inside a circular gauge, indicating a health or moisture level. Below this, two percentages are shown: "100.00%" and "35.00%". The date and time "10/28/2015 03:11:49h" are also visible.

A central chart displays a fluctuating line graph, likely representing soil moisture or temperature over time. The chart is set to "Averages" mode, with a toggle for "Instant" data. The x-axis shows dates from 22/10/15 to 28/10/15. Weather icons for each day are shown below the chart.

At the bottom, there are navigation icons for home, weather, a question mark, a plus sign, a magnifying glass, and a cloud with rain. The bottom status bar shows "Grass" and "Zona frontal".



Irrigation system ON



SOME SCREENSHOT



Irrigation system  
OFF  
(rained)



SOME SCREENSHOT



Irrigation system  
OFF  
(not rained)



SOME SCREENSHOT





We never fertilize



SOME SCREENSHOT

Home Rain spa Cerro Maggiore, Lombardia, Italy 10:10 Wednesday, October the 28th partly sunny 11°C 96% 1019hPa

36 % 41.14%

36 % 38.55%

10/28/2015 03:11:49h

01 / 01

Share

**WATER ALERT**

Your plant needs watering and rainfall probability is high. To optimize water resources do not water your plant today.

Have you seen this alert?

VIEWED

RECOMENDED PRODUCTS

No product associated

Grass Zona frontal

Home Rain spa Cerro Maggiore, Lombardia, Italy 10:12 Wednesday, October the 28th partly sunny 11°C 96% 1019hPa

The screenshot shows the Rain spa mobile application interface. At the top, there is a status bar with location (Cerro Maggiore, Lombardia, Italy), time (10:12), date (Wednesday, October the 28th), weather (partly sunny), temperature (11°C), humidity (96%), and pressure (1019hPa). Below this is a map view of the location. A central panel displays a weather alert with a large white rain icon on a dark background. To the right of the icon is a photograph of a garden with red flowers. The alert text reads: "METEOROLOGY ADVICE: Very heavy rain is expected during the next hours. Take precautions since there is a risk of flooding and damage in your garden. Put your garden tools safe from the water." Below the alert, there is a "VIEWED" button and a "RECOMENDED PRODUCTS" section which currently shows "No product associated". On the left side of the app, there is a vertical sidebar with various weather-related icons and numerical data: 95, 36, and 75. At the bottom of the app, there are dropdown menus for "Grass" and "Zona frontal", and a question mark icon.

! ?

95  
36  
75

01/01

Share

METEOROLOGY ADVICE

Very heavy rain is expected during the next hours. Take precautions since there is a risk of flooding and damage in your garden. Put your garden tools safe from the water.

Have you seen this advice?

VIEWED

RECOMENDED PRODUCTS

No product associated

Grass Zona frontal

Home Rain spa Cerro Maggiore, Lombardia, Italy 10:11 Wednesday, October the 28th partly sunny 11°C 96% 1019hPa

95 % 95.00%

36 °C

95 μS

10/28/2015 03:11:49h

01 / 01

Share

**AIR HUMIDITY ALERT**

The humidity is high for your plant.

Have you seen this alert?

VIEWED

RECOMENDED PRODUCTS

No product associated

Grass Zona frontal

ALERT SAMPLE



# IoT

Internet of Things

Kössünk hálózatba minden Eszközt!



+

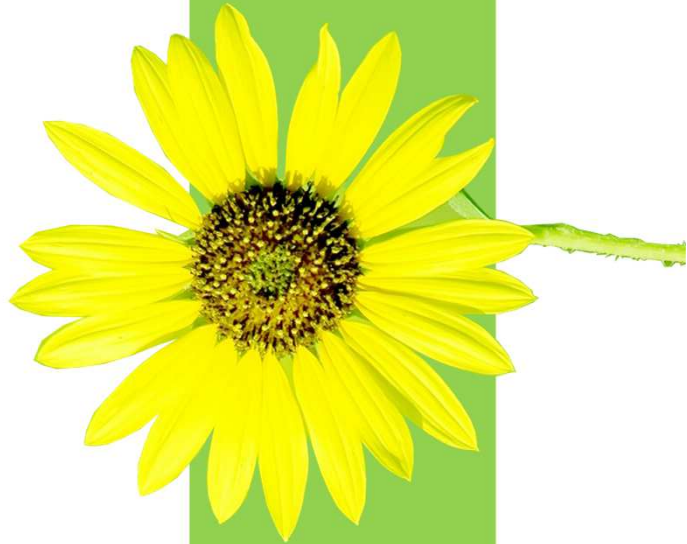


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fliwer<sup>®</sup>

**KÉRDÉS?**



**fliwer<sup>®</sup>**

INNOVATION



# Köszönöm a Figyelmet!

