

netsens



WiSense

Netsens remote irrigation monitoring systems

Smart solutions
for water management

The turnkey solution for smart water management

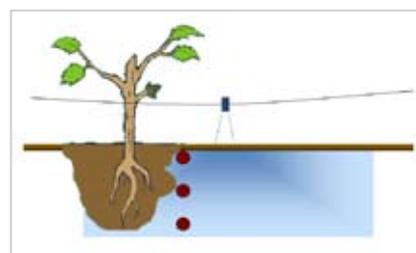
Netsens systems are the turnkey solution for your **smart water management**.

Products range from simple handsets to automated state-of-the-art irrigation control systems and fulfil the most severe requirements for agricultural applications like, open field, tree crops, nurseries and potted plants.



How it works

TerraSense Soil sensors are placed at **different depths**, depending on the type of crop and irrigation plant, and are wirelessly linked to the **WiSense** irrigation control unit.



With our **LiveData** web portal you can adjust the irrigation schedules for each sector via the internet, from your PC or smartphone, according to the soil moisture or weather sensors (rain, evapotranspiration).



The **WiSense** control unit automatically set the irrigation schedules of each sector, and send alerts for most common anomalies (incorrect flow rate, non-opening valve, etc.) using four inputs for digital flow meters and pressure switches.



Reduce costs with higher quality

Maintaining the optimal level of moisture in your crop means:

- 1) **Reduce costs** for irrigation (water, fuel, manpower, consumables, etc.)
- 2) Ensure a **uniform yield**
- 3) Assure the **best quality** of your production

WiSense 2.0 modular irrigation control unit

2019 New Product

WiSense 2.0



Inputs for meters and pressure switches



Input for weather sensors, wireless units with soil sensors etc.



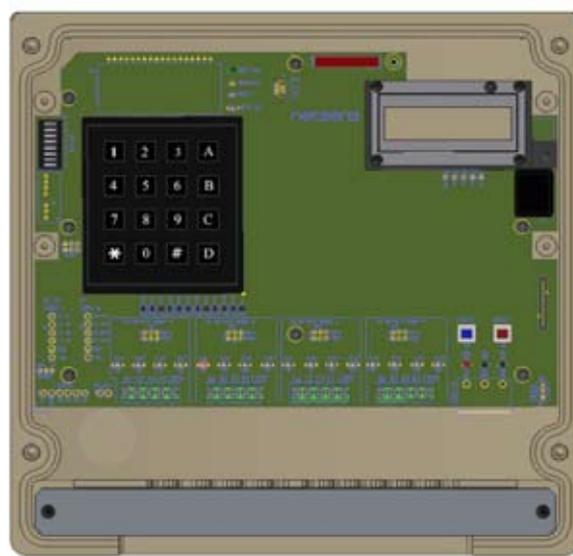
Dedicated relay for pump control output



Integrated GPRS modem for remote control



Soil moisture sensors inputs (cabled and wireless)



16 control channels (monostable and/or bistable solenoids, AC or DC), expandable to 64. Up to 4 channels configurable for fertigation.

IoT version: flexibility over wide areas

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IoT

With the new Netsens IoT technology, the irrigation valves can now be **remotely controlled**, at any point in the field, without requiring cables or connections.

Each wireless point can handle up to **2 soil moisture sensors** and up to **16 irrigation valves**.



Remote irrigation management

in 3 simple steps

1

Irrigation feedback by soil moisture measurements

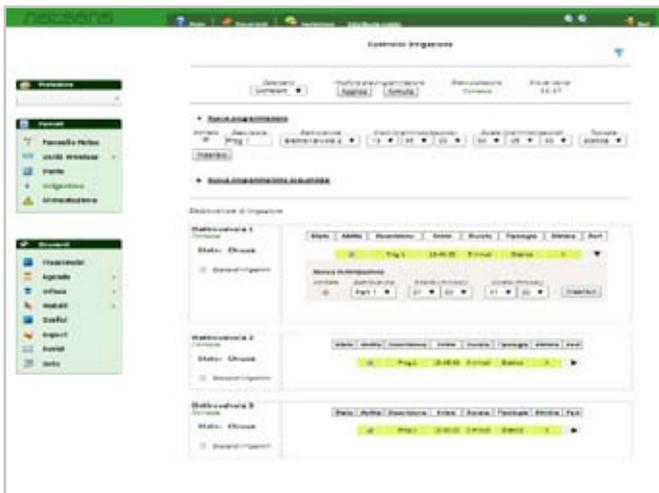


Our powerful **LiveData** software enables to clearly verify the **water deficit** of your crop, and the **soil moisture**, even at different depths, in each irrigation plot.

You can then **set up irrigation programs**, sector by sector, without going to the field.

2

Irrigation schedule planning based on sensor threshold



Irrigation schedules for each plot are now **adjusted** on the sensor values:

- cumulated **rain**
- soil **moisture** (WVC)
- Calculated **evapotranspiration** (ET)

You can also **set up alarms** triggered onto:

- failure to start irrigation
- valve failure
- over pressure or under pressure
- water flow rate mismatch

3

Enjoy the results while saving money and improving quality

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