



## CULTIVATION MONITORING & MANAGEMENT SYSTEM



# 24/7 SURVEILLANCE OF YOUR OPERATIONS

When it comes to agricultural production, it is crucial to have access to certain data at all times, and to monitor multiple parameters. Having this information at your fingertips in real time, even from a distance, will allow you to increase the productivity of your crops and reduce labor costs, all while optimizing your precious time.

The wireless sensor system offered by H2O Innovation makes it possible to monitor several vital parameters that will ensure plant well-being and growth.



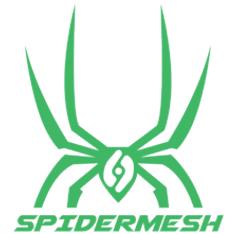
## A PRECISE OVERVIEW OF YOUR CROPS

- Precise temperature at plant
- Ground tension
- Tank water level
- Pressure (psi)
- Remote control
- 4-20 mA transmitter
- Weather channel
- Interactive satellite map



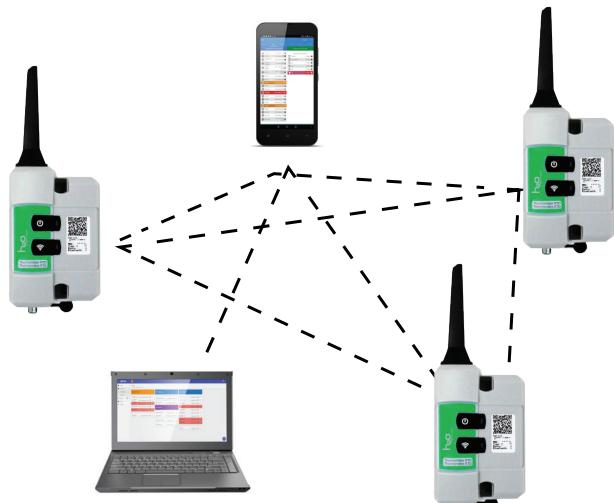


## HIGH PERFORMANCE RADIO WAVES TECHNOLOGY



The H<sub>2</sub>O Monitoring system is made up of precise sensors that allow you to remotely access the most important data from your operation, via your cell phone or computer.

The sensors dispersed on the site communicate with each other by low frequency radio waves requiring neither internet connection or cellular network. The patented "Mesh" type network has proven reliability. The technology has already been recognized for several years in different fields (maple syrup, water treatment, mining, agricultural), as one of the most dependable technologies in terms of wireless communication.



# RELIABILITY & SIMPLICITY

- Easy & quick installation, minimal planification
- Rapid data refresh rate
- Modular and evolutive system
- Network tolerates breakdowns, functional without cellular network and internet
- Very good long-term reliability
- Made in **Quebec**



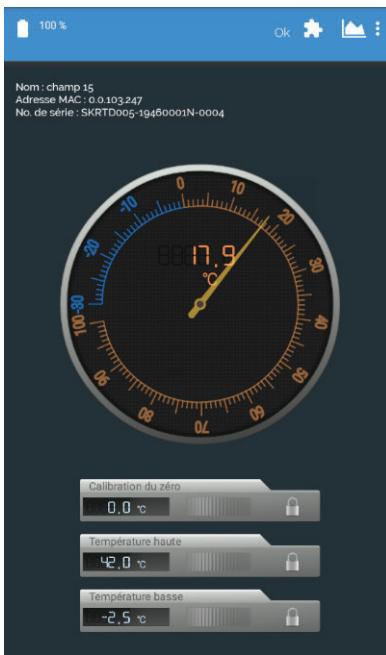
**CERTIFIED** 

North America,  
Europe, Australia and Japan

## H<sub>2</sub>O MONITORING MANAGEMENT SOFTWARE

The software was designed and developed to be easy to navigate and very intuitive, regardless of your level of technological skills. Several simple and user-friendly functions, configurable by the user, make it a complete management system.

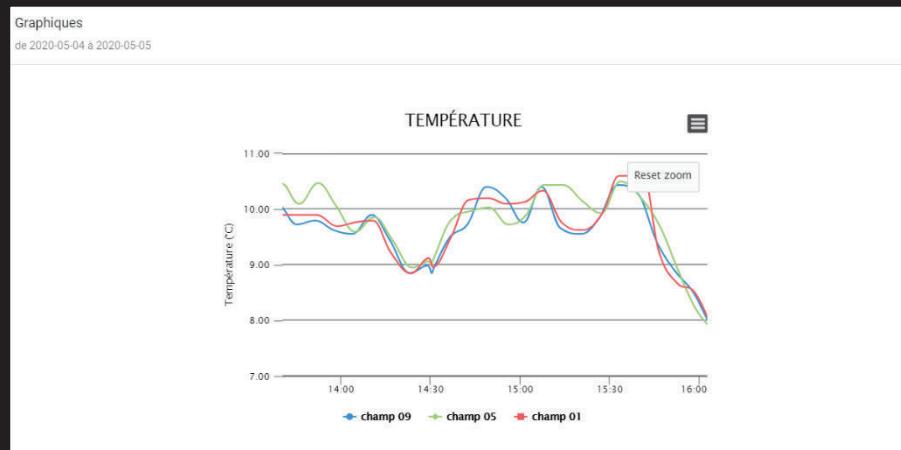
- **Application integrated into a tablet provided on the site, communicating with sensors in real time, for access to data on site, without internet or cellular network**



Tensiomètre		Thermomètre RTD	
groupe standard			
Champ 01	1,7 cBar 22,9 °C	champ 01	21,2 °C
Champ 05	0,2 cBar 23,7 °C	champ 05	20,6 °C
Champ 09	0,1 cBar 23,9 °C	champ 09	22,7 °C
Champ 15	1,8 cBar 20,2 °C	champ 15	20,8 °C
Champ 21	1,8 cBar 18,8 °C	champ 21	18,6 °C

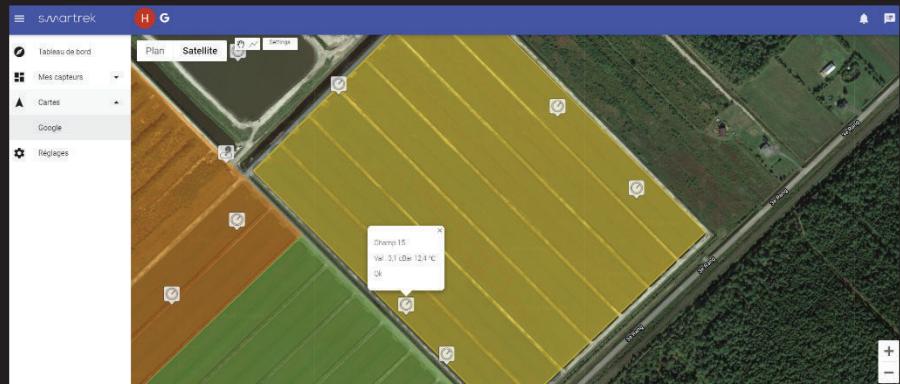
- **Configuration of alarms** customizable to each type of sensor
- **Remote control** of equipment, such as starting generators, actuating valves or starting pumps
- **Integrated automation** of basic functions to control equipment according to the status of another sensor (e.g. starting pumps depending on the temperature)

- **Secured web page accessible remotely with cell phone, desktop or electronic tablet**



- **24/7 data recording allowing graph analyses**

- **Interactive satellite map with sensors' GPS location**



- **Notifications of customized alarms by e-mail, SMS or automated calls to stay aware of critical changes and to ensure optimal running of operations.**



**BE WISE & GO FOR AUTOMATION**



**h2o** MONITORING

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