

Smart monitoring solutions for crop and water management

- *Easy to Install*
- *Smart Irrigation Control*
- *Anytime, Anywhere Access*

Water. A key input for farming. Too little and crops can die. Too much and nutrients and pesticides wash away, soil erosion accelerates, and costly water and energy are wasted.

Efficient farming means efficient water use: putting water only where you need it and only when you need it. SensorWare Systems' unique technology, the Sensor Web, makes this as easy as 1-2-3:

1. Monitor

Simply distribute the smart Sensor Web pods over the managed acreage. Sensors connected to the pods tell the local conditions – and wirelessly share that information with all other pods creating a “knowledge cloud” over the field. View this information over the Internet, from a cell phone, or in the field itself.

Installation is easy. Need to move a sensor? Just do it. The Sensor Web technology requires no special IT professional to configure the system. The knowledge cloud gives context to all sensor measurements, giving you confidence in sensor placement.

2. Plan

Not only is the data collected shared by the pods, it is automatically logged into a server. The database generated can be examined minute-by-minute or season-by-season, with individual data being accessible by location, time, or sensor.

With data logging on this scale, precision agriculture becomes a practical, cost-efficient reality.

3. Control

With plan in hand, you are ready to control your irrigation. Smart Sensor Web pods can control pumps and valves to react in real-time to climate and water distribution conditions. The knowledge cloud ensures this control is based on measurements across the entire field, not just locally.

The result? Smart, automatic control specific to your farm, based on your current conditions. It's like being in the field 24/7!

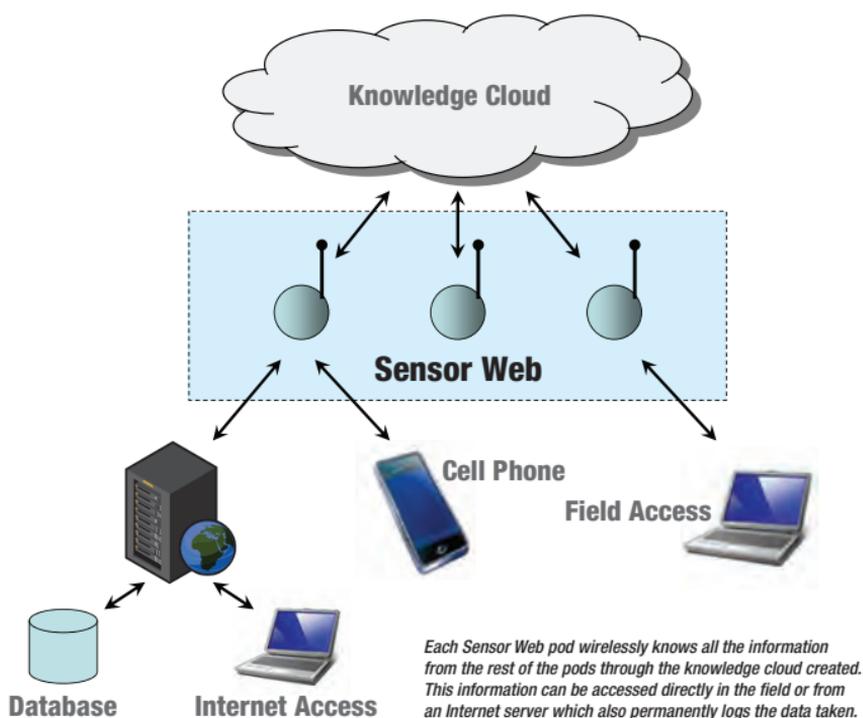
“The Sensor Web has remarkable potential in the areas of agriculture, horticulture and the study of local environmental changes.”

— James Folsom
Director, Huntington Botanical Gardens



SensorWare Systems, Inc. is located in Southern California and was formed to commercialize the patented Sensor Web technology (a smart sensor infrastructure) developed at NASA.

SensorWare Systems provides solutions for active, real-time situational awareness and decision making. The technological core, the Sensor Web, consists of a collection of hand-sized sensor platforms (pods) connected to sensors which measure environmental parameters. These smart pods are spread across a geographical area and communicate with each other wirelessly, creating a “knowledge cloud” where information can be shared. A pod is like a pixel in the snapshot the Sensor Web takes. There are no routers or gateways; the Sensor Web is a single, distributed instrument. Every pod knows all the data across the system and can act as an information portal.



Sensor Webs have been fielded in over 30 challenging environments, some for periods of 3 years and more. The turn-key systems require little user training or maintenance and can seamlessly integrate with decision tools.

Live, streaming data from current deployments can be found at www.SensorWareSystems.com



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