



Remote Site Management Technology for Water Conservation

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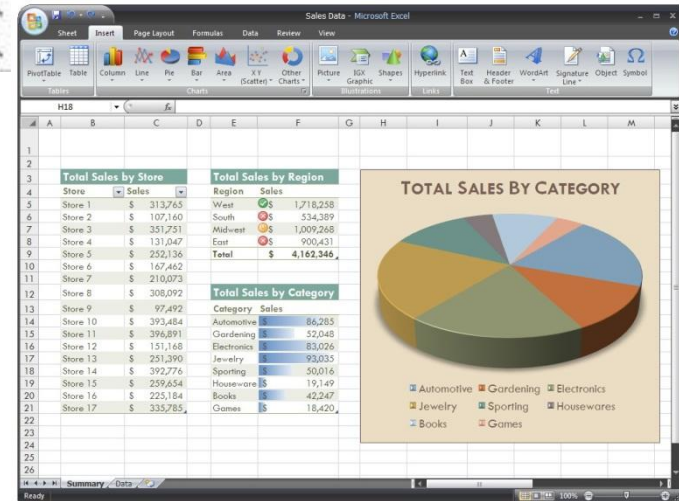
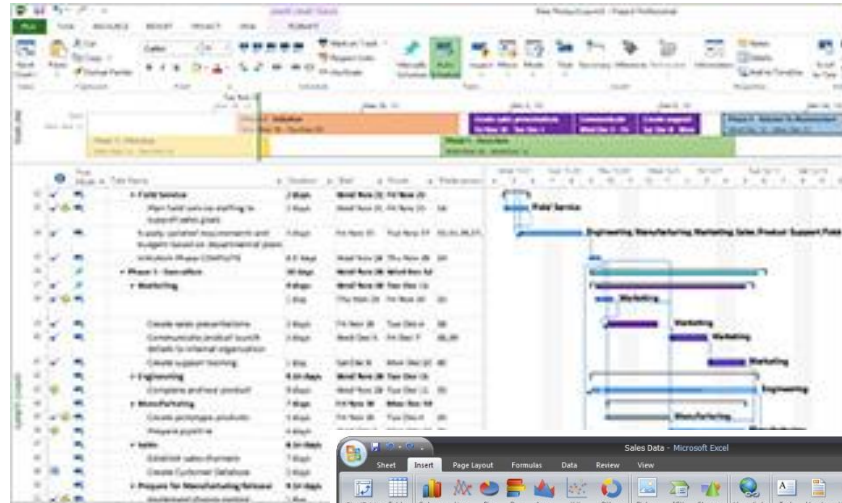
The Intelligent Use of Water.™

Communication Tools



Constant Contact 

Business Tools



Maintenance



Irrigation



What comes to mind after seeing these images?

- **Time savings**
- **Labor savings**
- **Faster communication**
- **Reduced costs**
- **Ease of use**
- **Mobility**
- **Improved productivity**
- **Efficiency**

How many of you have invested in these technology improvements?

Have they made your business more efficient, productive and profitable?

Who can show me what is going on at your house right now?



Who can tell me what is happening at your largest customer's site right now?



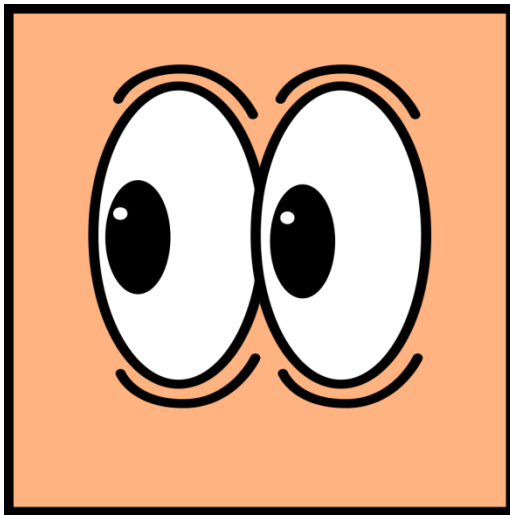
**Where does Smart Technology
Meet
Smart Irrigation?**

Smart Controllers



Smart Irrigation = Remote Management

**Remote Management is like having eyes, ears,
and staff on site at all times**



New Mobile Water Management Tablet with IQv2

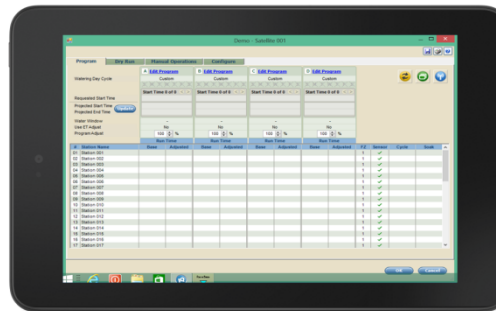
■ Tablet Features and Benefits

- Mobile, web accessible central control
 - Wi-Fi and built in Cellular connectivity allows access to system anywhere there is internet accessibility
 - When combined with communication cartridges provides seamless, unrestricted connections to IQ satellites
- Pre-loaded IQ Software
 - Tablet comes with IQ installed, activated, and ready to configure



IQ Mobile GSP

- GSP IQ Remote Technical Support
 - Utilize the expertise of Rain Bird's GSP Engineers for any IQ water management, weather station, flow sensing, or communication issue or question
 - 24 hour emergency paging for after hour or weekend emergencies
 - GoToAssist remote system access and diagnostics. Allows GSP to aid with serious issues or demonstrate answers to all questions



Remote Management Benefits for Contractors

- **Cut water and energy costs**
- **Create new revenue opportunities**
- **Differentiate your business**
- **Create Peace of Mind**

Reduce Operating Costs

- **Fewer site visits for**
 - Controller adjustments
 - Turning controllers on & off
 - Emergency calls
 - Rain and/or freeze events
 - Troubleshooting
 - Status verification
 - Manual operations

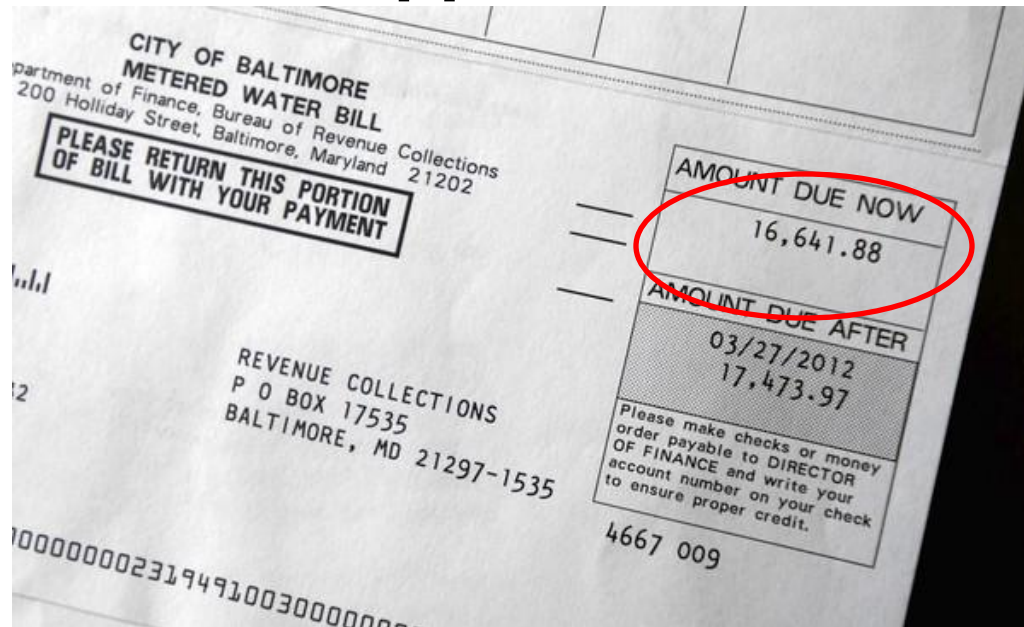


All of these functions can be done ANYWHERE - ANYTIME



Opportunities

Take your previous pain points and turn them into opportunities

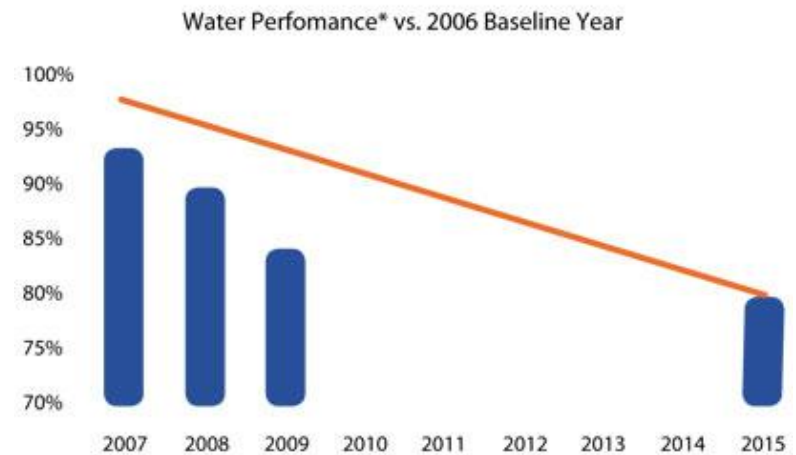


Some see a water bill....others see an opportunity!

IQ is Proactive Reporting

On demand reporting of:

- Total water use/ Flow logs by zone
- Schedule changes
- Event logs
- Alarms
- Schedule duration charts



Share these reports with property managers to demonstrate your success as a water manager.

Remote Water Management is an investment.

What do all investors want?

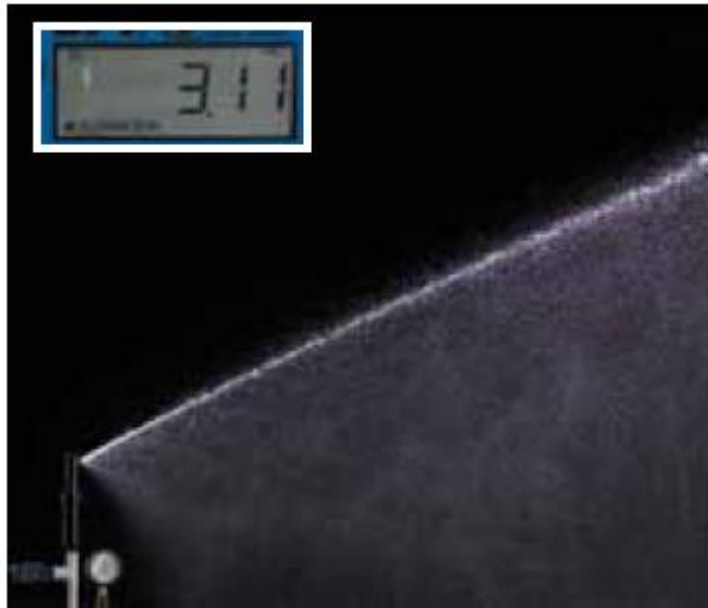


60 day trial or demonstration



Retrofit a zone to prove out additional savings

It is easy to justify upgrades with real proof!



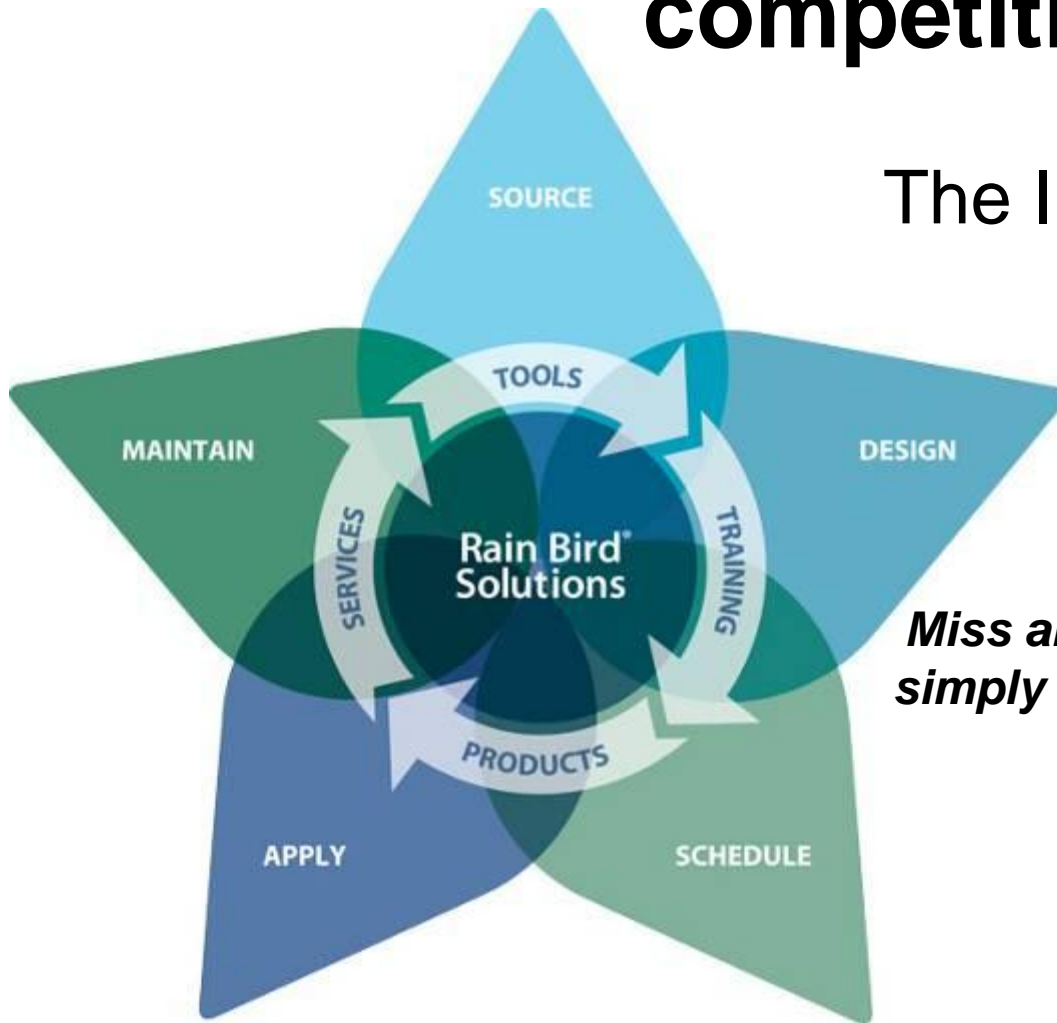
5000 Rotor with PRS at 79 psi inlet pressure.
PRS regulates flow to 3.11 gallons per minute.



Non-PRS competitive rotor at 79 psi inlet pressure.
Without PRS, flow rises to 3.81 gallons per minute.

What sets us apart from the competition?

The Intelligent Use of Water™



Miss any one of these elements and we simply waste water more efficiently than ever before!!!

Our Competitors

Think a controller is the sole solution to sustainability and water conservation

But we know better



It is just a brain and one piece of the puzzle

Lasting sustainability requires.....



An end to end solution

Anatomy of a Water-Efficient* Commercial System

This commercial design guide highlights Rain Bird product and technology solutions for a healthy landscape that uses less water.



Rotors

In-Stream Pressure Regulation

Prevent water loss caused by uneven water pressure. Every 5 psi reduction in pressure reduces water usage by 6-8%.¹ The 5000PRS Series Rotor has documented 15-45% water savings.²

- 5000/5000 Plus Series Rotors with PRS
- TSJ-PRS Swing Joints

High Efficiency Nozzles

Rain Curtain™ nozzle technology delivers thick water droplets in a uniform, consistent pattern, eliminating over-spray which results in water savings.

- All Rain Bird Rotors

Check Valve Devices

Prevent water from draining out of the system at the lowest sprinkler, which eliminates erosion and runoff.

- All Rain Bird Rotors

Vandal Resistance

Vandal-resistant rotors prevent water loss due to damage and abuse.

- 5500/700S/800S Series Rotors

Central Control Systems

Automatic ET-Based Scheduling

Adjusts run-times based on water loss from the soil through evaporation and water loss through plant transpiration ensuring that the right amount of water is applied without over watering or under watering. Automatic adjustment to watering schedules based on evapotranspiration (ET) can reduce water use by 20-40%.⁷

- Maxicom²
- SiteControl
- IQ (programmable ET)

Flow Management

Optimizes available water and watering windows by automatically managing total flow demand placed on the water sources.

- Maxicom²
- SiteControl

Flow Monitoring/Leak Detection

Reduces water loss by monitoring flows in real time to locate and isolate excessive flows caused by broken pipes, vandalized sprinklers or failed valves.

- Maxicom²
- SiteControl
- MDC2

Cycle + Soak™

Eliminates run-off by applying water at rate the soil can absorb such as slopes, compacted soils, and areas of poor drainage.

- Maxicom²
- SiteControl
- IQ



Pump Stations

Boost pressure to correct levels. Because low pressure can result in poor, uneven performance of nozzles, users frequently over-water the entire landscape to water the dry spots. Pumps boost pressure and prevent this problem from occurring.

- LP Pump Stations
 - D₁, DP₁, and DPX-Series Pump Stations
 - Intermediate Flow Pump Stations
 - Main Irrigation Pump Stations

Landscape Drip

Direct-to-Plant-Root Watering Devices

Apply water slowly and directly to the roots of plants, using 30-50% less water than sprinkler irrigation.⁴

- Drip Emission Devices
- XF Dripline
- RWS Root Watering Series

High Efficiency Nozzles

Provide more uniform distribution of water and eliminate over-spray which can result in 30%+ water savings.⁷

- SQ Square Nozzle (formerly XPCN)



Valves

Pressure regulation for valves maintains constant water pressure to prevent water waste caused by misting and fogging at the head

- PRS Dial Module



Sprays

In-Stream Pressure Regulation

Maintain optimal water pressure. Every 5 psi reduction in pressure reduces water usage by 6-8%. A 70 psi system reduced to a recommended 30 psi can provide more than 50% in water savings.¹

- 1800-PRS Sprays
- 1800-SAM-PRS Sprays

High Efficiency Nozzles

Provide more uniform distribution of water and eliminate over-spray which can result in 30%+ water savings.⁷

- Rotary Spray Nozzles
- U-Series Spray Nozzles
- Matched Precipitation Rate (MPR) Nozzles

Check Valve Devices

Prevent water from draining out of the system at the lowest sprinkler, which eliminates erosion and runoff.

- 1800-SAM Sprays
- 1800-SAM-PRS Sprays



Of high efficiency products



Thank You

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