

SMARTPOND

A Convergent Water
Technologies Innovation

STORMWATER AUTOMATION AT YOUR FINGERTIPS



smartPONDTM
Automated Stormwater Control.

Using Automation to Manage the Retention, Detention and Drainage of Watersheds Offers a World of New Benefits and Possibilities.

Why smartPONDTM?

Our weather is constantly changing, yet our stormwater controls remain the same. smartPOND takes passive stormwater controls and gives them brains, allowing for either pre-programmed stormwater pond management that actively measures and releases stormwater to match your regulatory regime, as well as application-based real time control that allows you to retain or release water at the tip of your fingers.

While automation is not new, stormwater automation is only in its infancy. It's no wonder Convergent Water Technologies, the leader in stormwater innovation, has been involved in many of the first stormwater automation projects. From managing subsurface underground detention / rainwater harvesting systems through weather predictive technology to creating automated settling ponds for stormwater quality, Convergent Water Technologies is once again on the bleeding edge of stormwater management. The future of stormwater is automated, through controls, sensors and telemetry, we will soon change the way stormwater is managed. A move from passive control to active control is on the horizon.

Key Benefits:

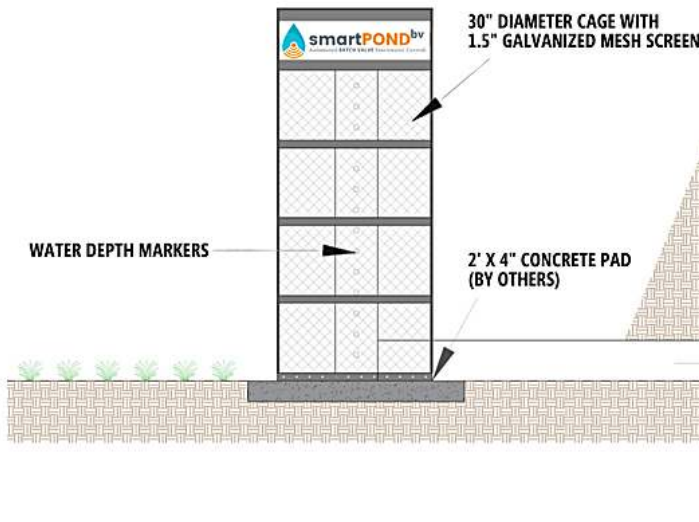
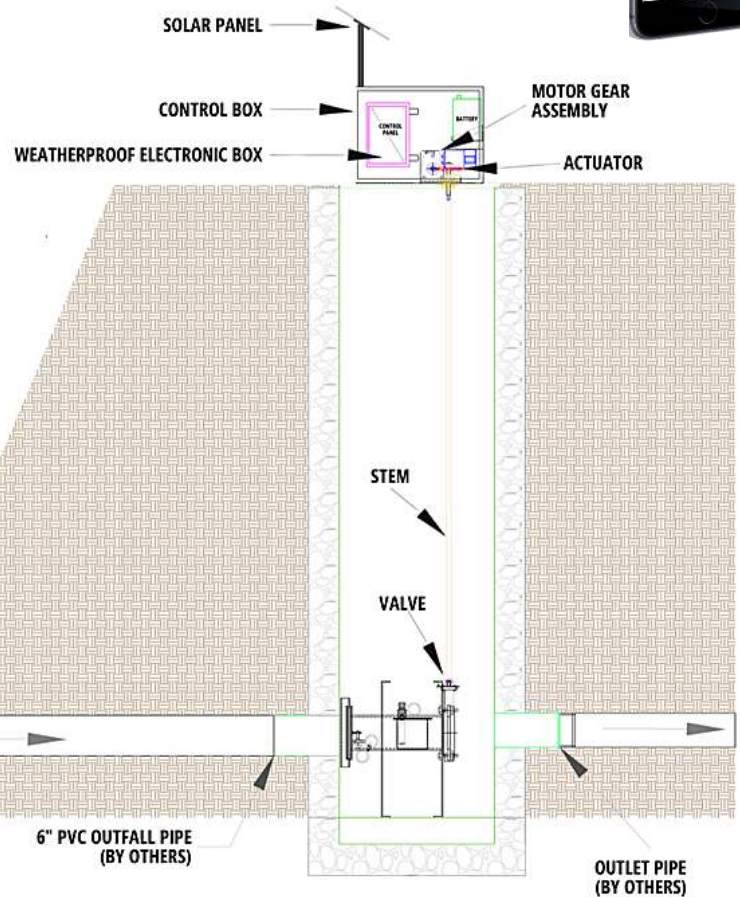
- Real time maintenance alerts
- Real time data water level, valve position, temperature & more
- Tough, Integrated Design For Simple Installation and Maintenance
- Total Suspended Solids (TSS) removal = 91% when designed as batch detention
- Meets Edward's Aquifer Protection Plan Batch Detection Requirements





The Key Components:

- Trash Screen with Sediment Depth Marker for Ease of Maintenance & Inspection
- Durable Perforated Riser Made of 1/8" Steel
- Automated Valve with Built in Water Depth Sensors
- Custom 30" Drain Basin with Quick Disconnect for Ease of Maintenance
- Lockable Control Panel to House the Electronics
- Solar Panel



How Does smartPOND Work?

The smartPOND valve has a series of predetermined commands to help meet project requirements. If water quality and TSS removal is the goal, the batch detention command might be selected. If the objective is to maintain a specific water surface elevation, you can preset the elevation in the application and that level will be maintained indefinitely. Customized solutions are also available through the application to set drawdown times, water elevations, water surface elevations as well setting future commands.

How About Maintenance?

Owners/Operators have access to device health and monitoring data 24/7. Alerts can be sent via SMS text messages or email regarding battery power. An on-board camera is available with certain models allowing daily photographs to be taken of the pond and surround area.



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Convergent has decades of experience in developing and delivering problem solving stormwater innovations. Convergent believes that adopting new ideas quickly, and integrating the process of innovation into stormwater regulation, product development and distribution is the only answer to our looming water crisis.

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