



smartPOND
Automated Stormwater Control.

STORMWATER AUTOMATION AT YOUR FINGERTIPS

Tennessee | Carolinas | Florida | Texas | Georgia | Alabama | Louisiana

 **Greenrise**
Technologies

Why smartPOND?

Our weather is constantly changing, but our stormwater controls have yet to catch up. smartPOND takes passive stormwater controls and gives them brains. smartPOND allows for pre-programmed stormwater batch detention quality and detention optimization that actively measures and releases stormwater or application-based real-time control that allows you to retain or release water at your fingertips.

TECHNICAL SUPPORT

We provide system design, engineering specifications, drawings and support for your site plan and permitting needs.

smartPOND RTO

Real Time Optimization

Real-time optimization of detention pond inflow and outflows creates a detention pond that functions optimally, ensuring the most efficient use of resources. An efficient detention structure, whether dry, wet, or underground, can be significantly smaller while managing the same design volume of stormwater. Utilizing smartPOND typically allows for a 25% to 50% reduction in the size of the facility.

The cost of smartPOND will often be covered by the reduction in construction costs alone. Reduced long-term maintenance costs and more usable land by shrinking the detention facility are added benefits.

**REDUCE DETENTION
VOLUME 25-50%**

With
smartPOND

Without
smartPOND

629.230.2150

www.greenrisetech.com

smartPOND^{bw}

Automated BATCH VALVE Stormwater Control

The smartPOND^{bw} was designed with the property owner's budget in mind. Its all-in-one design and specification simplify engineering by providing a complete detail kit requiring no electrical or low voltage design, no complicated parts list, or complex drainage calculation. For the contractor, smartPOND^{bw} is a breeze to install. Simply connect the perforated riser and trash cage to the inflow pipe. Then connect the nyoplast housing to the outfall pipe and backfill. Finally, secure the control box to valve stem and activate with the flip of a switch. It's that easy.



smartPOND^{bw}

Automated BUCKET WEIR Stormwater Control

This outfall valve rotates 90 degrees to open and close a rotary weir connected to an outfall pipe up to 24 inches in diameter. For example, it can be pre-programmed to hold water for 12 hours, then rotate slowly over 48 hours to drain the detention pond completely. Once empty, the bucket returns to its upright and closed position, anticipating the next rainfall event. smartPOND^{bw} allows total suspended solids (TSS) to settle out of the detained water more efficiently and releases the cleanest water from the top of the pond when dewatering.



KEY BENEFITS

- Reduces the land used or quantity of underground storage required
- Achieves high rates of TSS removal (91%)
- Real-time maintenance alerts and data visualization
- Tough and versatile design with maintenance in mind
- Simple, Plug & Play Design = Completely Self Contained
- Domestic production for quick delivery and responsiveness

MAINTENANCE

- Owners / Operators have access to device
- Device health & monitoring 24/7
- Alerts can be sent via SMS text message or email.
- On-board camera allows on-demand photos
- Routine inspections can be monitored remotely with on-board camera
- Automated processes alert users of needed maintenance



A National Stormwater Compliance Company.

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