

SmartCapture™

Future-proof your stormwater storage

SmartCapture™ is America's first fully integrated smart stormwater storage system, using continuous monitoring and adaptive control (CMAC) to automatically optimize detention, retention and infiltration in real time to maximize efficiency, reduce land take and adapt to a changing climate.

By increasing effective storage capacity by up to 30%, SmartCapture enables engineers to build capacity today for tomorrow's stormwater management requirements — easily adapting to future climate, environmental, watershed and regulatory changes, capturing and mitigating storms that are larger than design storm size.

Easily integrated into SCADA systems, SmartCapture mitigates risk and reduces the asset management burden for owners and municipalities, while its online portal provides real-time monitoring and reporting to support regulatory compliance, optimize maintenance and improve infrastructure management decisions.



Applications

- Flood mitigation
- CSO mitigation
- Hydromodification reduction
- Water quality improvement
- Water conservation
- Asset performance maximization

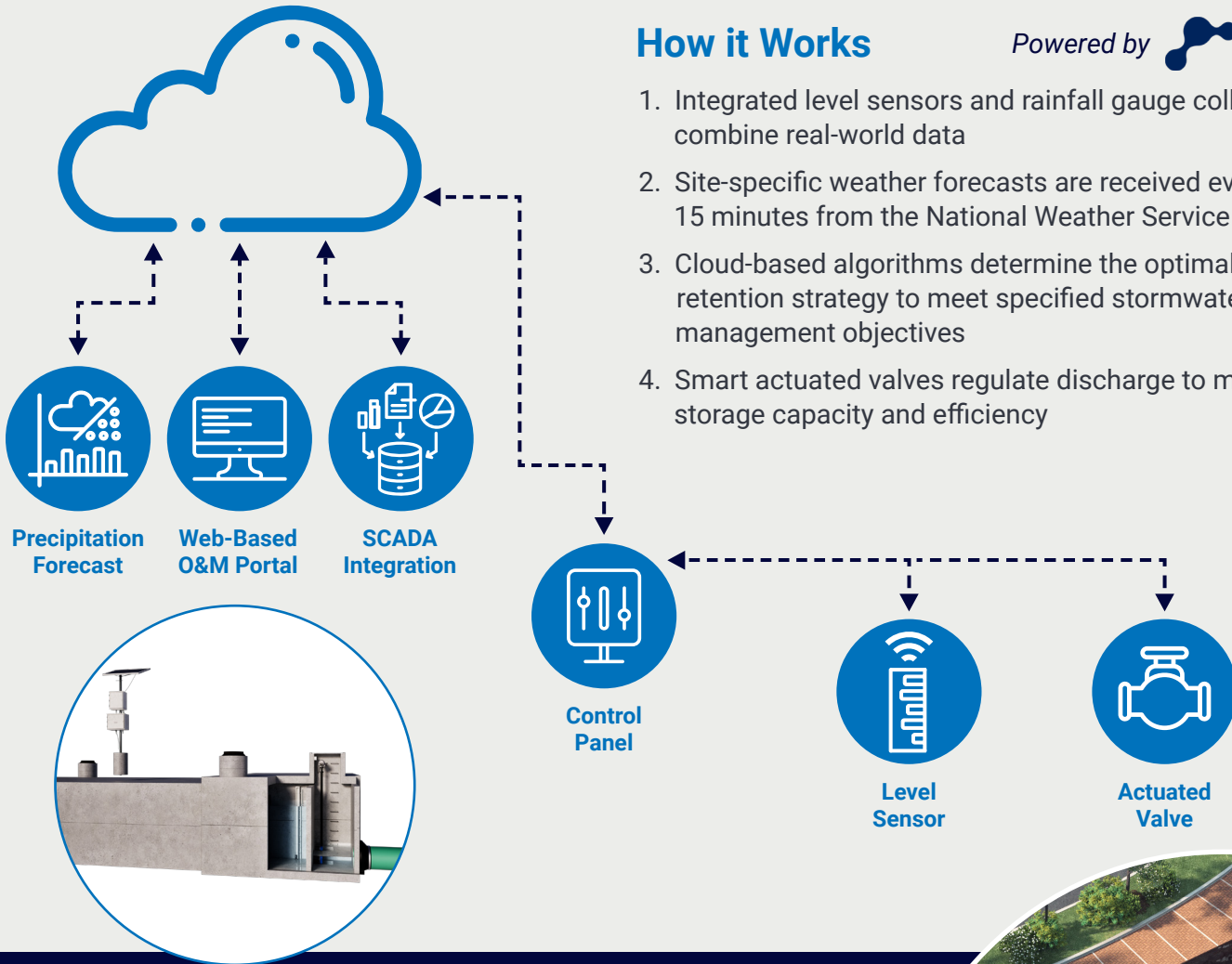
Key Benefits

- Build resilience to more frequent, more intense storm events
- Cut costs, land take and design complexity
- Meet multiple stormwater objectives in a single system
- Enable proactive maintenance
- Automate compliance
- Proven technology, deployed on over 300 projects across 37 states

How it Works

Powered by  Opti

1. Integrated level sensors and rainfall gauge collect and combine real-world data
2. Site-specific weather forecasts are received every 15 minutes from the National Weather Service
3. Cloud-based algorithms determine the optimal release/retention strategy to meet specified stormwater management objectives
4. Smart actuated valves regulate discharge to maximize storage capacity and efficiency



Technical Information

- Storage vault module material: precast concrete
- Storage vault module dimensions: L 16' x W 8' x D 2–14'
- Minimum vault cover requirement: 6"
- Maintenance access: 30" Ø standard
- Outflow control device: actuated valve integrated into storage vault
- Control Panel: L 22" x W 18" x D 10" Standard Panel or L 8.5" x W 7.25" x D 10.5" Monitoring Panel
- Power: 120V AC line or 24V DC solar panel

** These are the dimensions of a single storage vault module; multiple modules may be combined to achieve the desired total storage volume.*



Trusted Partnerships.
Full scale solutions.

 **Oldcastle Infrastructure**[™]
A CRH COMPANY

www.oldcastleinfrastructure.com/smartcapture.com | (888) 965-3227