Managing Municipal Storm Water Runoff Provides Increased Safety and Savings

RESULTS

• Trusted service and actionable data with alarms to prevent runoff

• Flexible solution to expand with community growth and needs

• Easy to get up and running to help ease the limited staff stress

• Preventative measures now in place to avoid storm water threats

• Actionable data and alarms for staff to quickly respond

APPLICATION

Zedi Water and Wastewater Management™
Zedi Access™ & Zedi Go™ mobile app

CUSTOMER

Mid-sized Florida, panhandle area municipality

CHALLENGE

This mid-sized Florida, panhandle city with a population of approximately 500,000+ full-time residents with neighborhoods that were developed long before most rules and regulations for facilities were ever put into place were experiencing many levels of difficulties managing storm water runoff in most sections of the city with differing degrees of runoff.

This runoff water drains from properties, picking up fertilizers, pesticides, herbicides, oil, pet waste and many other containments and carries them into the storm drains. This creates many layers of clean up, some flooding and many hazards for residents.

They have 5 major storm drainage ponds in place that at times have overrun neighborhoods causing flooding, safety issues and costing the city several millions of dollars in impact.

The city was already stretched thin for personnel and needed a partner they could trust to help with the full solution, as well as be there for them long-term for service and growth needs.

> "Now we have the ability to quickly react to potential storm water hazards with alarms set in place that tell the right people potential runoff problems before they happen, which in turn has also increased our community trust in our abilities and gained our stressed and limited staff the correct information when and where they need it most to keep everyone safer."
>
> Mid-sized Florida, panhandle
> Municipality Utilities - Director of Operations

Zedi SaaS SCADA

EMERSON™

SOLUTION

The city already had a well-established, trusted working relationship with Emerson and this Emerson Impact Partner and they were confident that their assets were going to be well set up for today, as well as for many tomorrows. They needed a flexible solution that could also enable the residential growth as needed.

John H. Carter, the Emerson Impact Partner that proudly serves that area and has a long-standing relationship with the city and has previously provided the city with other solutions that have historically proven very valuable for strong return, increased safety, longevity and reliability.

Together, with Emerson experts they quickly brought fourth Emerson's Zedi IIoT platform that could enable them with relays to successfully monitor floats and limit switches mounted alongside each storm water pond.

After exhaustive testing of communications from each of the five ponds to the central office they were pleased with the fast, actionable data they could see anywhere, anytime via the cloud based SaaS solution. The city staff was also excited to have the alarms in place, tested and automated for specific end users to cry-out at set thresholds to help warn them of potential threats.

While the city did consider several other companies, quotes and IIoT solutions, the decision to work with Emerson for this project was ultimately the easy access to the right data, the experts at Emerson, as well as the trusted source for local service with John H. Carter.

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