



“Micro-Comm has a really high standard, and that service means a lot. Anybody can sell you a product, but five years down the line, a lot of other companies don’t care about you, because they’ve already made their money. Micro-Comm is as happy to sell me a \$500 part as a whole package.”

—Terry Merritt, manager,

Bowling Green Water/Waste Water

Because of Micro-Comm’s integration know-how and stellar service, Bowling Green came back for more.

It wasn’t the first time Bowling Green hired Micro-Comm. They had previously engaged the water control manufacturer and integrator to design a new water treatment system in 1995-96. So, when they decided to upgrade their controls at the waste water plant ten years later, Micro-Comm was first on their list. Now both plants are up-to-date and sharing information with ease.

For some contractors, water control systems can be like houses — easier to start over than to redo what’s already there.

But, for Micro-Comm, with its integration ingenuity and custom software capabilities, adapting an existing system comes naturally. And, that’s just why Bowling Green rehired them when it came time to upgrade the controls in their waste water plant.

“They did the SCADA work and all the controls when we put in a new water treatment plant back in 1995,” explained Terry Merritt, manager, Bowling Green Water, Bowling Green, MO. “Then, in 2005 we had to upgrade our waste water treatment plant and put in new controls. Now I’m able to interface my existing water treatment plant and my new waste water treatment plant together.”

According to Terry, that meant adapting components and writing original software that integrated a wide range of components—old and new, Micro-Comm and Allen-Bradley—to drive both plants which pump a combined 3.5 million gallons each day. It’s a task that Micro-Comm is frequently called on to perform, due to its on-staff programming capabilities.

Through it all, Terry says his Micro-Comm project manager was easy to work with and full of helpful information, characteristics that are echoed in the company’s ongoing service program.

“Keith never makes any of us feel bad because he knows as much as he does,” Terry remarked. “Nobody at Micro-Comm ever does that. And, anytime we have a problem, we call Keith. He can walk me through things on the computer, while we’re talking on the phone, and it doesn’t

cost us anything. Every dealing I have had is positive.”

The result is a system Terry says delivers big benefits both in terms of its advanced features and the time savings they deliver.

It starts with a desktop from which they can view operations at both plants. They can isolate a section of valves, blowers or pumps on the screen and set them to run manually or from timers. They can also set pumps to run based on flow or well elevations. And, through dissolve oxygen probes interfaced into the system, they can set oxygen levels.

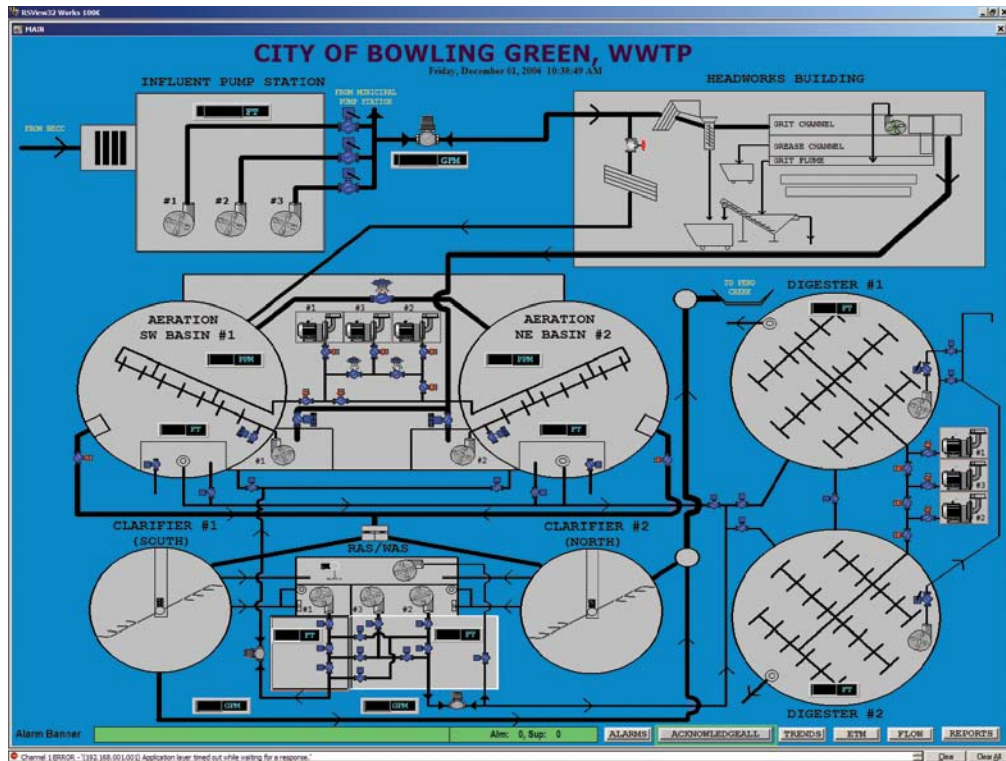
“We can do things from the office I would have had to travel to two or three locations to accomplish,” Terry declared. “I can check the system, on-screen, then continue with other projects. I save time using the system offsite, on a laptop, as well. Plus, their new screen images make it more user friendly. My children can look at it and tell that a pump is running.”

Terry sums it up this way. “Time is money, and we have to continue to do things more efficiently to keep our rates down.”

To learn how Micro-Comm saves you time—and keeps you coming back for more, give our sales staff a call at **(913) 390-4500**.

How Micro-Comm came back to bring two systems together.

Bowling Green Water/Waste Water needed advanced programming capabilities to integrate an older water treatment plant with a new waste water system. Micro-Comm created a totally new system which married an Allen-Bradley-based water plant seamlessly with their 10-year-old Micro-Comm-based waste water treatment plant five miles away.



Client

- Bowling Green Water/Waste Water, Bowling Green, MO

Problem

- Create a seamless system to control water and waste water functions--five miles apart--from a single location
- Provide state-of-the-art functions and user friendly controls that save time and money

Special challenges

- Creating customized software which "talked" to Allen Bradley and Micro-Comm components, both old and new
- Marrying plants that are five miles apart
- Replacing existing controls with new and old components, in one panel

Logistics/assignment

- 1 water plant
- 2 intake pump stations
- 2 water towers
- 1 waste water treatment plant
- 1 municipal pump station

Solution

- Utilize Micro-Comm's capabilities in the arena of original software/programming to interface the two systems smoothly and add special functions

Tactics/key elements

- Water treatment plant, capable of pumping 2 million gallons a day
- Waste water treatment plant which pumps 1.5 million
- Office-based computer station to control both plants
- Remote radio monitoring
- Ethernet networks
- User friendly screen graphics, including graphic overview of WWTP and graphic representation of chemfeed panels, pumps, blowers, digesters and clarifiers

Equipment

- Allen-Bradley PLC
- Micro-Comm RTUs
- Motorola radios

Results

- Time savings which delivers economies to residents
- Easy equipment viewing and control from a single computer screen
- Flexibility and ease from portable units and user-friendly screen graphics
- Speed and convenience of one system running both plants
- Equipment service which is friendly and responsive