# SCADATA

TOWN OF HIGHLAND, IN

About the town...

When looking for a SCADA solution, the Town of Highland knew they had their work cut out for them. They were looking for an advanced monitoring solution, so they partnered with Scadata, Inc. to help improve efficiencies and provide a higher quality of service than they had previously.

The Town of Highland, Indiana is supplied water from the City of Hammond, Indiana which pulls water from Lake Michigan. Highland Water Works supplies fresh water for almost 40,000 people between their town and Dyer, Indiana. On average, the town pumps 5 million gallons a day.

Customized Device Status and Tag Monitor display screens for Highland, IN
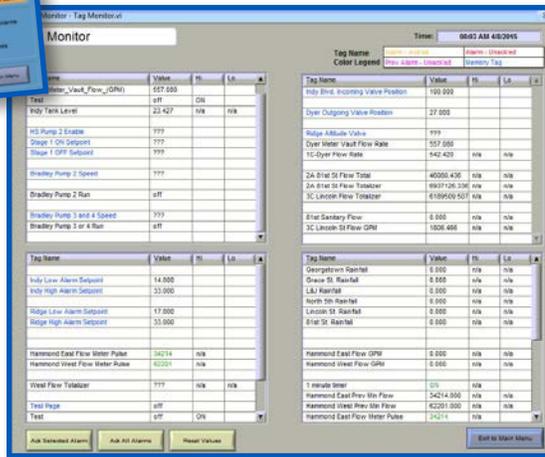
In addition to the Water Works Department, Scadata Software Suite monitors the Sanitation Department and Storm Water Department. The system utilizes Flood Control Monitoring (collecting information on river levels), and keeps all the information stored in an access database. The Town of Highland is able to employ a total of 35 people between the street, water and sanitary departments.

> "Scadata is great! I would recommend it to anyone looking for a SCADA System. It helps us in so many ways. I couldn't imagine not having it."
>
> – Mike Pipta, Water Works Supervisor for the Town of Highland.

- Installation in 2010

- Serving a population of 23,000 in Highland
- Serving a population of 16,000 in Dyer

- Minimum of 3 million gallons of fresh water pumped a day
- Maximum of 8 million gallons of fresh water pumped a day

- 1 Pump Station with 4 High Service Pumps
- 9 Lift Stations
- 1 Supply Flow Meter
- 2 Water Towers
- 5 Storm Water Pump Stations

CASE STUDY

SUMMARY

PROBLEM: With a large system and different processes that need monitored, the town needs a SCADA system that is versatile enough to handle being multi-functional without difficulty and without going over budget.

SOLUTION: The Town of Highland selected Scadata S3 technology to monitor their water based off its cost effectiveness and reliability.

RESULT: Through the implementation of Scadata's flexible software and hardware, the town now has access to real-time system monitoring, data analysis, mobile and on-site system control and site alarms.

"Easy and user-friendly..."

When Mike Pipta, Water Works Supervisor for the Town of Highland, gets to work each day, he first looks at his Scadata S^3 Software Water custom screen to display all of his sites such as his water tanks and pumps, just one of the many tools Scadata S^3 Software provides. On this screen it is made to the Town of Highland's specifications and displays things such as any active alarms, the water level in the tanks, and the amount of water running through the pumps all in real-time. Mike talks about how easy and user-friendly the system is to use and understand. Outside of the custom screens, he checks on the past alarms, trend graphs and reports set up for his use.

"Saves Time and Money"

The town's biggest benefit, since they installed the Scadata S^3 Software in 2010, is the time and money saved. Before Scadata, when there was a substantial amount of rain or snow, the sites needed checked multiple times a day, weekends and holidays included. With the S^3 Scadata Software they can depend on Hi-Float Alarms to alert them if a site needs attention. They no longer have to travel from site to site wasting time, money, and depreciation of the town's resources. Before the Scadata system, the town used an alarm company, which used multiple phone lines to dial if there was an issue. After installing the Scadata system the town was able to eliminate the extra phone lines and now have only a single phone line. By using Scadata's Radio RTUs, they no longer have the fixed monthly cost charged by the alarming company. Mike's personal favorite feature is the mobility S^3 Scadata Software has; he can be at home in his pajamas and still have the ability to know everything that is going on with the system.
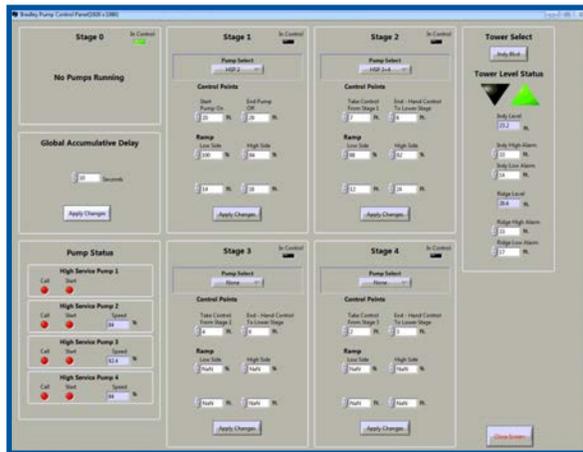
Customized Site Status display screens for Highland, IN
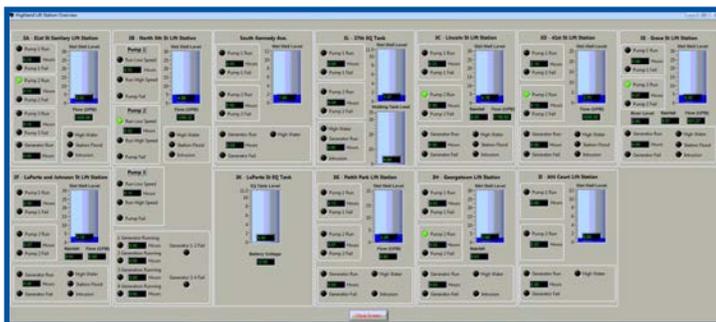
Scadata Software Suite is developed using LabVIEW

LabVIEW System Design Software is trusted by major corporations worldwide as their primary tool for creation of measurement and control systems.

SCADATA

A Tool for Compliance With:

Setting New Standards of Excellence

S^3 is an ideal solution for all of your SCADA needs. This premier turn-key setup uses LabVIEW's trusted system design platform for easy implementation and operation.

System comes ready to use, right out of the box:

- No custom programming
- No custom software
- No extensive training

About Us

Scadata Inc. develops SCADA Solutions. Since 2002, our team of highly skilled programmers have devoted more than five years of combined programming hours to developing the SCADATA Software Suite.

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