

## Customized SCADA, Just What the Client Ordered



SCADA offers operators at-a-glance monitoring

It takes hundreds, if not thousands, of valves and switches and miles of piping to operate a treatment plant. SCADA, or Supervisory Control and Data Acquisition, makes it possible to collect and analyze data while allowing the operator to control those valves, switches, and other equipment by radio or landline.

Buchart Horn engineers used digital technology to make significant improvements to the SCADA concept by developing a programmable SCADA system tailored exactly to our clients' needs.

The original and proprietary SCADA system designed for the Greater Pottsville Area Sewer Authority (GPASA) showcases the advantages of a Buchart Horn system. GPASA's system monitors and controls the Authority's newly renovated 8.2-Million Gallons Per Day treatment plant and a pump station three miles away. Once the system was up and operating, the Authority was able to fine-tune its monitoring and control capabilities to handle 22 automated flow control structures throughout the system.

Having designed dozens of SCADA systems, Buchart Horn engineers understand the treatment processes, equipment, and system operation, and apply this knowledge to design and build user-friendly SCADA systems programmed to monitor and operate treatment systems and create custom reports for specific needs.

At Pottsville, two networked personal computers running Buchart Horn customized process control software provide 3-D graphics simulating the plant layout and offer significant latitude in process control.

An operator can run the entire system from the SCADA console. In fact, Buchart Horn engineers designed, assembled, and tested the GPASA system by monitoring its operation some 80 miles from Pottsville before delivery and installation. The Authority's willingness to participate in the entire process helped Buchart Horn create the exact process control system they wanted. Now the operators can control and operate the plant with the touch of a finger.