

## SCADAspire HMI Software

Powered by Lookout HMI

The SCADAspire HMI system is powered by National Instruments' Lookout HMI software. It has been used successfully to control water and wastewater systems throughout the United States. National Instruments is a recognized and awarded provider of software for HMI, SCADA and data analysis; including its award winning LabVIEW platform.

### **Operator Designed**

Forshock created the interface with you and your operators in mind. Many SCADA and HMI solutions are created by the programmers and designers themselves, not actual plant operators. SCADAspire HMI was designed by current and former water and wastewater operators to be what they need, not what the developer thought they might. Easy to navigate screens, descriptive control functions and common theme are a major part of the SCADAspire advantage.

### **Specific Device Components**

With our years of working with the water industry, we have created easy to use and powerful control panels tailored to meet the needs of most domestic water and irrigation systems. Panels display vital operating and adjustable values to ensure that operators know exactly what is happening and why it is operating that way. Graphical displays of the current operating status and alarm notifications for responding to unexpected operation.

#### **Pump Control**

Panels designed specifically for operation of well and booster pumps feature the current time and set point values on the primary screen. Setup pumping schedules including Time-of-Use/On-peak/Off-peak schedules, Fire Flow scenarios and standard level control. Setup emergency stops to prevent pump and property damage from over flows or over use of capacity.

#### **Tank Monitor**

Visual indications of current operating levels of your tanks and reservoirs, including historical data trends that include pumps operating from the specified tank. Set alarm points and quality requirements to prevent potentially damaging over flow or from sudden drops in system pressure.

#### **Site Panels**

Provides visual notification about potential site intrusions to operators to make quick and safe responses. Adjust the settings to prevent possible false alarms caused by environmental or interference factors. View communications status and vital controller details.

### **Redundancy and Recovery**

Using our platform you can create a redundant system in case of hardware failure or major disaster to keep your system operating. SCADAspire HMI provides virtually seamless transfer of control in the event that the primary station is unresponsive. The system keeps operating processes and settings updated to ensure that your operations continue as smoothly as possible to allow you to correct the problem in a safe and reliable fashion.

### **About Lookout HMI**

National Instruments Lookout is an easy-to-use Web-enabled human machine interface (HMI) and supervisory control and data acquisition (SCADA) software system for demanding manufacturing and process control applications. Developing your HMI/SCADA application takes less time; delivering substantial savings on overall project costs. Lookout in combination with the Forshock SCADAspire architecture creates a powerful and integrated system.