

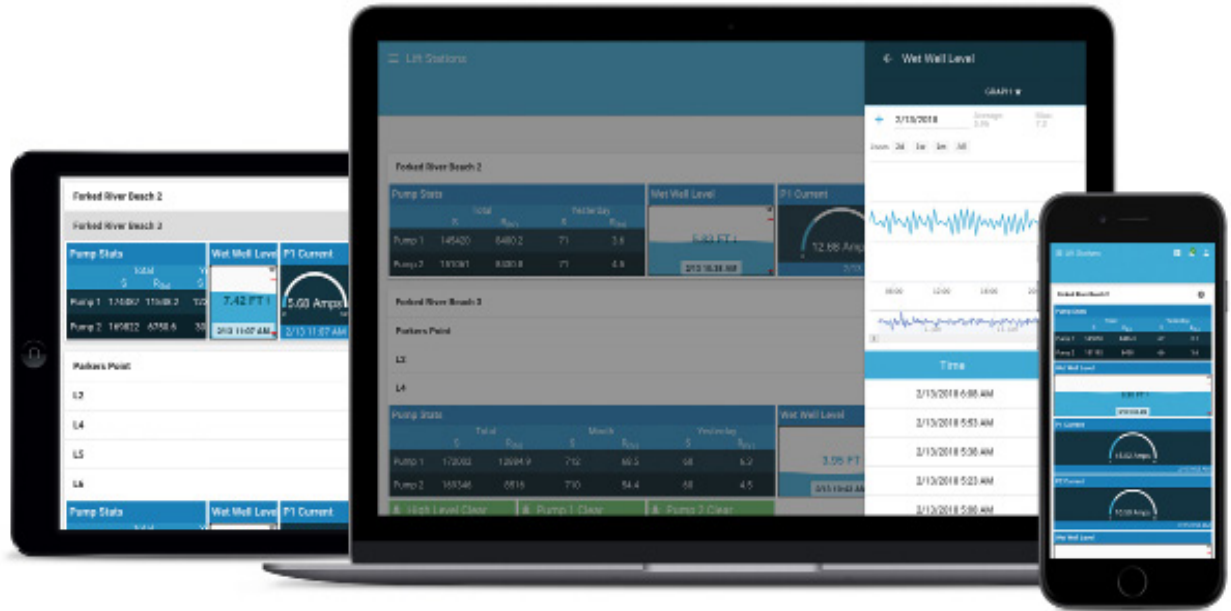


An End-to-End Cloud-Based SCADA Solution at Your Fingertips

Access your data. Control your equipment.
Receive alerts from anywhere. Anytime.

Remote monitoring and control for water, wastewater,
and just about anything you can imagine.

VIEW. MANAGE. CONTROL.



A MODERN WEB-BASED SCADA PLATFORM

High Tide Technologies' web-based SCADA platform runs on our secure servers. This means that you or designated staff can safely access your data and initiate controls from any Internet-connected device over an encrypted connection. From home, office, or vacation site, your SCADA system is always at your fingertips.

Our platform provides you with the current status of your operations, and its easily navigable interface allows you to analyze trends to detect problems before they occur. You can receive alerts via email, text message, or voice. This service simplifies both data acquisition and control so that operators can easily handle day-to-day tasks. To make reporting simple, you can easily download your data in spreadsheet format to summarize your operations.

ANYWHERE. ANYTIME.

ENDLESS POSSIBILITIES

The wide range of hardware options in the table below allow our solutions to work in a wide range of applications including but not limited to:

- Sewer lift stations
- Tank levels
- Water boosters & well pumps
- Valve stations
- Water & wastewater treatment plants
- Water & gas meters
- Environmental monitoring
- Landfill leachate pump monitoring

Because each installation is unique, we offer a wide variety of remote connection and power options. We offer a choice of multiple cellular networks and, for remote sites that are not covered by cellular networks, a satellite communication option. For plants which already have an Internet connection, we offer an Ethernet option. Our customers also have the flexibility of mixing these communication technologies together across their sites.

Solar power options are available for those hard to reach locations with no A/C power connectivity.

PRODUCTS

MODEL	DIs	Als	DOs	AOs	NETWORKS	APPLICATIONS
HTT-300	4	1 Opt.			Sat, Cell, IP	Manhole, Lift Station
HTT-900	12				Sat, Cell, IP	Lift Station, Meter
HTT-1100	8	4 (4 Opt.)	4 Opt.		Sat, Cell, IP	Lift Station, Tank, Meter, Valve, Pressure, Booster Stations, etc.
HTT-3100	28	6 (4 Opt.)	8	2	Sat, Cell, IP	Larger Lift Station, Large Booster, Small Plant
HTT-4100	28+	12+	8	Opt.	Cell, IP	Plant Monitoring

Solar option available for HTT-300 and HTT-1100

Since 2002, High Tide Technologies has made it possible for a utility of any size to have a modern SCADA system without any internal technical expertise required. We provide easy to install hardware and we handle all of the user interface configuration, thus simplifying monitoring and control for our customers. We use a web-based interface, making it possible to access important data from anywhere. Our distributors are all factory trained and are able to provide any installation and service requirements that our customers may have.

Our diverse options for communications, including satellite, cellular, and Ethernet, make it possible to reach any point in any system reliably. Most importantly, our commitment to 24x7x365 customer support is at the core of our company values. All of our employees are dedicated to giving the best possible service, both before and after the sale.

Talk with one of our representatives to find out how High Tide Technologies can meet your SCADA needs.

LET US BE YOUR SCADA PARTNER



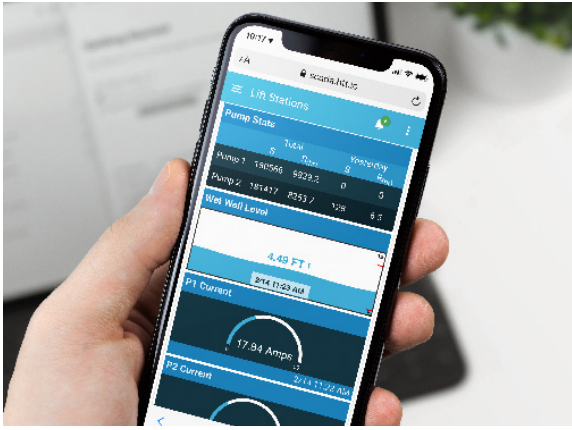
High Tide Technologies, LLC.
2506 Grandview Ave
Nashville, TN 37211
615.256.6678 | www.htt.io

ACCESS YOUR DATA. MONITOR YOUR LIFT STATION EQUIPMENT.
RECEIVE ALERTS FROM ANYWHERE. ANYTIME.



The Simple & Modern Lift Station Monitoring Solution

Cloud-based monitoring is flexible, affordable,
and accurate. We provide custom solutions
for any wastewater collection system.



Lift Station Monitoring Essentials

Operating a lift station presents a unique set of challenges. A failed pump can cause flooding that results in costly repairs and clean up, or worse, a potential health risk with associated fines. As a measure of prevention, lift station operators need to have a proactive monitoring plan in place. This can be as minimal as basic autodialer functionality or as robust as having remote control capabilities. Regardless of where your needs fall on the spectrum, your monitoring plan needs to meet the minimum requirements to ensure efficient lift station operation.

MINIMUM MONITORING REQUIREMENTS

- High-level alarm
- Low-level alarm
- Pump failure
- Pump overload
- Pump overheating
- Seal failure

Customize Your Monitoring Solution

Our cloud-based platform makes lift station monitoring easy, affordable, and accurate. The best part? Your data is securely accessible with any Internet-enabled device, from any location. In addition to the minimum monitoring requirements listed, we offer custom configured monitoring solutions that are sure to meet the demands of your unique system.

Hourly Pump Starts & Runtime Reports

Monitor the number of pump starts as well as the total number of pump hours-run in a period of time. This data can be graphed hourly, daily, monthly, etc.

Reports include data on failed pump alternators, excessive inflow & infiltration, comparisons between pump capacities, and alerts regarding pump degradation. These reports enable you to perform proactive maintenance on your pumps.

Flow Estimation

Get detailed information about inflow to your station and pump capacity. Unlike "pump draw-down tests" that test basic pump capacity and functionality once a year, flow estimation runs continuous tests that provide deeper insight into system health.

Flow estimation can eliminate the need for a standalone flow meter, allowing you to graph comparative data points over time (hourly, daily, etc.).

Flow estimation is determined by wet well geometries and the distances between the pump-on/pump-off points to calculate volume in and volume out.

Meters & Rain Gauges

Meter and rain gauges use a meter in the system to measure outflow. Rain gauges tie into the system on a 15-minute basis to give customers the ability to cross-reference weather events & rainfall with pump performance.

Pump Amp Monitoring

Measure pump performance as well as clog detection through a current transducer. Customers can graph this on a 15-min, hourly, daily, monthly basis, as well as set thresholds for amperage to alarm yourself to clogs, etc. And the best part is your amps are only reported when the pump is running

Pump amp monitoring offers another way to monitor pump and station health overall, as well as clog detection, preventing pump failure. You can also save electricity, even if it doesn't fail a pump!

Real-Time Pump Data

Real-time pump data offers a finer resolution of pump-on/off status, correlated with wet well levels optionally. Additionally, we display pump-on/pump-off visuals on your website allowing for monitoring of the pump controller.

Pump Force-On/Force-Off

Now you're equipped with the power to disable a pump when technicians can't get to the site quickly enough, while technicians are in-transit or overnight.

Force-on can be used to override a failed pump controller to prevent an overflow, and you can use this to interlock two stations, as to prevent one station from overflowing the other.

2-minute Analog Reporting

Our 2-minute analog reports provide a finer resolution on wet well levels for pump controller analysis for a more detailed analysis of system performance.

Flexible Monitoring Solutions

	ESSENTIAL	PRO	ELITE
Minimum Alarm Monitoring	x	x	x
Hourly Pump Starts & Runtime Reports	x	x	x
Flow Estimation		x	x
Meters & Rain Gauges		x	x
Pump Amp Monitoring			x
Real-Time Pump Data			x

EXTRAS:

PUMP FORCE-ON/FORCE-OFF AND/OR 2-MINUTE ANALOG REPORTING

About High Tide Technologies

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Our flexible options for communication include satellite, cellular, and Ethernet, making it possible to reliably reach any point in any system. Most importantly, our commitment to 24/7/365 customer support is at the core of our company values. All of our employees are dedicated to giving the best possible service, both before and after the sale.

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Let us be your lift station
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