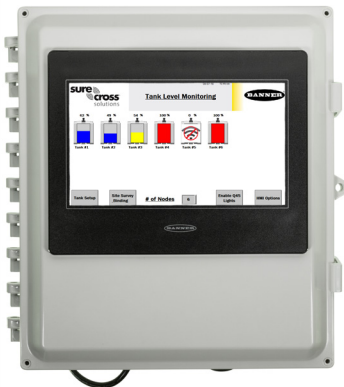
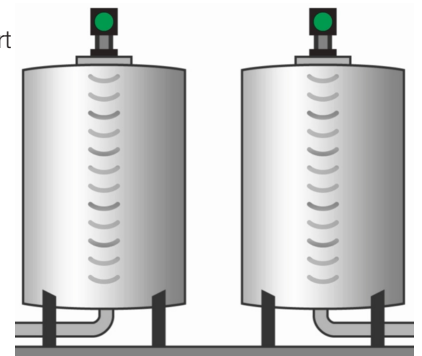
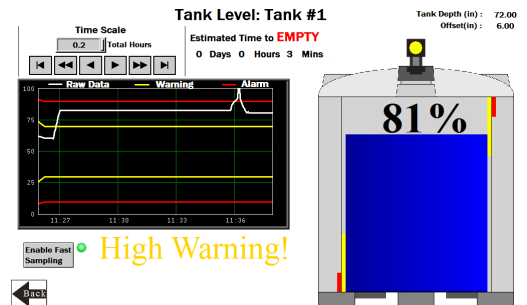


## Challenge

Knowing the status of material levels can be critical to maintaining and/or improving productivity. Tank/container fill status monitoring requires the ability to visualize data, understand information, and set intelligent thresholds for meaningful alarms. Typically, this can mean difficult programming or integration of multiple components and systems.

## Banner Wireless Value

- **Visualize Data and Alarms**—HMI clearly displays alarms and graphs of raw tank level data along with alarm settings
- **Simplicity**—Plug in the box, bind the Nodes through the HMI screen, install the sensors, and start collecting data; no programming required
- **Capability**—Monitor tank levels on up to 16 assets with wireless Performance Nodes connected to K50U ultrasonic sensors
- **Tank Level Analytics**—View the estimated time to “empty” or “full” based on the rate of change of the last sample
- **Local Indication**—Enable the Q45 LEDs on the HMI to quickly and easily find the tanks in a warning or alarm state
- **Peel and stick**—Battery-powered Nodes attached to ultrasonic sensors can mount to most standard tanks, totes, or barrels/drums; swap to a new tank in seconds
- **IIoT**—Connect to a network for remote monitoring via cloud services
- **Productivity**—Avoid unexpected downtime by planning tank refills or replacements
- **Safety**—Prevent hazardous environmental overfills
- **Prevent Pump Cavitation**—Set alarms prior to reaching critical level



## Banner Wireless Tank Level Solutions Kit

Everything needed in one solution – Just add the Node/sensors as required

- Pre-programmed DXM (using a unique version of the Tank Level Monitoring Solutions Guide Files)
- Pre-programmed 10.1” touchscreen HMI for visualizing data
- Five-port Industrial Ethernet switch for network connection
- View up to seven days of data history on the HMI while archiving over 30 days of logged data in CSV files on the HMI
- Bind and perform site surveys of Nodes through the HMI
- Create new asset baselines easily via the HMI
- Add local indication of faults using optional DXM outputs to tower lights or indicator lights

## Key Applications

- Chemical totes
- Day Tanks
- Drums/Barrels
- Supply tanks
- Epoxy totes
- Storage bins
- Cutting fluid levels

Model	Radio	Additional Notes
SolutionsKit9-Tank	900 MHz Performance	Supports Q45U, Q45UA, P6, or P6L Nodes
SolutionsKit2-Tank	2.4 GHz Performance	Supports both Imperial (inches) and Metric (mm) units