

## 1 What are the TankScan system features and benefits?

- a. The TankScan system is a monitoring and alerting system for liquid level measurement in aboveground storage tanks. It is ideally suited for remote tanks that require periodic or unscheduled servicing.
- b. Benefits include:
  - Centralized inventory data from geographically diverse tanks.
  - High or low level alerts for critical applications.
  - Congregated tank level readings for truck routing efficiencies.
- c. Which TankScan unit should be used?
  - The TSU is a good choice for single tanks, 12' tall or less.
  - The TSM8000 is well suited for multiple tank applications or for tanks up to 35' tall.
- d. What does a TankScan system cost?
  - Many factors contribute to system cost. Call the Customer Care Team (CCT) at 800-523-6996 for pricing information.

## 2 How does the TankScan monitoring system work?

- a. The TSU tank monitor has an ultrasonic sensor that sends an acoustic pulse toward the surface of the liquid and times the reflection to determine the distance to the liquid.
- b. The TSM8000 tank monitor is a guided wave radar sensor that sends an energy pulse down the probe wire and measures the time it takes for the reflection from the liquid surface to return.
- c. The accuracy of the TSU monitor is <1% of the range (5 or 12 feet) of the monitor.
- d. The accuracy of the TSM8000 is +/- .5% of probe length.

## 3 How long do the batteries last?

- a. Under normal conditions, the battery pack will last 2 years.

## 4 Are the TankScan monitors certified for installation in hazardous locations?

- a. The TSM8000 is Intrinsically Safe for Class I, Division 1, Groups C & D, Temperature code T4.
- b. The TSU Monitor is certified for Class I, Division 2, Group D.

## 5 What is the process for setup and installation?

- a. Step one is to call CCT at 800-523-6996 to schedule an installation date.
- b. Step two is to call CCT at 800-523-6996 on scheduled date for installer guidance through proper installation.
  - Proper installation and accurate tank data will dictate level and volume calculation accuracy.
  - Necessary information will be collected to ensure best application.
  - System functionality will be verified before installer leaves the site.
- c. Good radio performance is key to a successful installation.
  - Best practice information, available in the Line-of-Site white paper, must be followed (available at [www.tankscan.com](http://www.tankscan.com)).
  - The TSU requires a good cellular signal.

## 6 How does the ATEK Intelligence Platform (AIP) get set up?

- a. Call CCT to get the AIP site created and configured.
  - Locations, users, and tanks will be created.
  - Tanks will be provisioned and configured with tank data.
  - Data display, alerts, and reports can be configured for individual needs.
  - CCT uses the ATEK Service Platform (ASP) to monitor critical system functionality, 24/7/365, so users don't have to.

