

TankScan Monitors Provide Improved Inventory Management for Aviation Company

Applications:

Fuel Tank Monitoring

Market:

Aviation



Central Wisconsin Aviation is central Wisconsin's leader in general aviation. Located at the Central Wisconsin Airport (KCWA) in Mosinee, WI., they offer full FBO services including maintenance, fuel, aircraft rentals, flight training and more. They are a proud member of the following aviation organizations AOPA, BBB and NATA.



Challenge

Central Wisconsin Aviation faced the challenge of performing manual tank level measurements using a 12' stick to gather data. With 3 onsite tanks, staff members are required to physically climb to the top of the tanks to gather tank level readings. Weather conditions also need to be favorable. During the winter season this process is extremely hazardous when there is snow and ice build-up on the tanks. This method of tank monitoring proved to be dangerous, time consuming and often readings were inaccurate.



Solution

Central Wisconsin Aviation turned to ATEK Access Technologies for the TankScan solution.

The TSM1000 monitoring system provides tank level information through any internet connected device. The monitor records various data from the tank including fluid levels, temperature, battery life and more, sending it to the ATEK Intelligence Platform (AIP) for reviewed by assigned users.

The AIP system sends alert messages by text or email to the users indicating their fluid levels have dropped below a pre-set level. This allows for just-in-time deliveries and helps avoid product run-out.

Tank levels can be viewed from the field with a cell phone or from a PC at a remote office. The monitor is reliable, easy to use, install, and saves time and money.

“Keeping track of our fuel inventory is very important to the health of our business. With our previous method of manually measuring tanks, we had to send an employee on top of the tanks every week. The access of tank data from anywhere is very useful, as it allows us to order inventory whenever we need to.” said Caleb Mantik, FBO Manager

Tankscan historical trending has also been valuable to Central Wisconsin Aviation. Past online tank records often need to be accessed and compared against account information for reconciliation. Prior to installing the TankScan solution, this required paging through boxes of old records to obtain the same data now online and at their fingertips.

Results

The Main benefits that Central Wisconsin Aviation has realized since implementing the TankScan solution include:

- Provides more accuracy in fuel inventory management
- Saves time and money by not having to manually check tank levels
- Creates a safer work environment by not having to climb tanks to check fuel levels
- Access tank data and historical graphs to view usage trends and reconcile accounting records

“If keeping accurate records of your fuel inventory is important, and you rely on those inventories to keep your stock levels appropriate, it is absolutely worth it! It saves us time, money, and takes the guesswork out of fuel inventories”. said Mantik