

Improve Operational Efficiency With App for Secure Mobile Access to Inventory Data

Background

For tank farm operators, inventory data is critical to run efficiently. Inventory status underpins operations and business decisions – all the way from accepting orders, receiving shipments and filling or emptying tanks, to closing the books at the end of each month.

What's your challenge?

At many tank farms and terminals, inventory data is not easily accessible to those that would benefit from it. In fact it can be difficult or even impossible to get a consolidated, up-to-date overview of tank inventory as soon as you are outside of the control room. All too often the information is locked within a legacy system, which may only have a single local display and no integration with other control or management systems. Although some companies have a networked solution, these can often be limited by hardware and bandwidth constraints, or they are not designed to allow quick access to data.

The first generation tank gauging software was developed more than 20 years ago, and is still in use at many tank terminals and refineries today. The software was principally developed to provide the operators, usually located in a central control room, with the tools they need to manage the tanks safely and efficiently. Inventory data will often be provided in weekly reports, but will not necessarily be available on demand. Functionality and useability have improved significantly over the years, but the traditional architecture has remained the same, which has limited wider access to the data.

What if you could...

- Access live inventory data when and where you need it?
- Get instant overview of all tanks and one click to details for each tank?
- Easily share data both internally and externally?
- Get all this in an easy-to-use app optimized for computer, tablet, and phone?



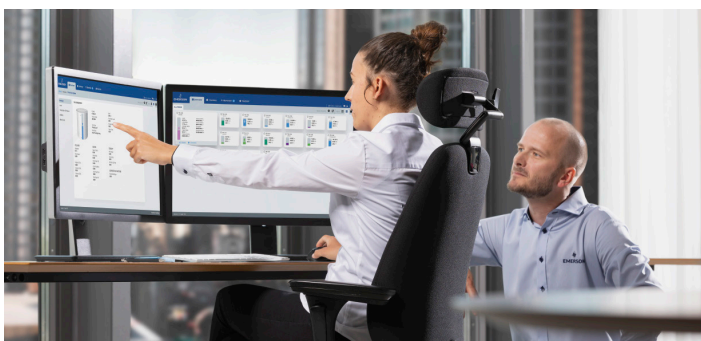
What's your opportunity?

Modernizing your inventory management software enables real-time inventory data to be distributed much more easily, and to a much wider audience. By giving more personnel direct access to the information they need, waiting times and administration can be minimized. Quick access and widespread use is the key to unlocking the potential of your data and improving the performance of your organization.

Benefits from instant access to inventory data are widespread:

- Field and control room operators will always have correct and up-to-date information. Better informed decisions shorten the time to action, so that tasks can be completed without delays.
- Management can always stay on top of critical assets, leading to better and faster decision making. Site management gets insight into local tanks and operations, and consolidated data from multiple sites can be shared to headquarters and corporate executives.





- Supply chain will know when re-stock should be scheduled, without risking running out or having oversupply.
- Business and operations planning can be certain that available room and product stock is sufficient to accept transfers without interruption.
- Finance gets immediate inventory overview for monthly closing of the books and other routine tasks.
- Live inventory available without bothering control room operators who may frequently be busy.
- Manual data collection work is minimized for everyone.

Advantages of Emerson's solution

Rosemount™ TankMaster™ Mobile Inventory Management Software provides instant access to your tank inventory and works seamlessly across smartphones, tablets and computers. It is mobile responsive and optimized for touch screens, and integrates with existing Rosemount TankMaster installations.

Easy to use

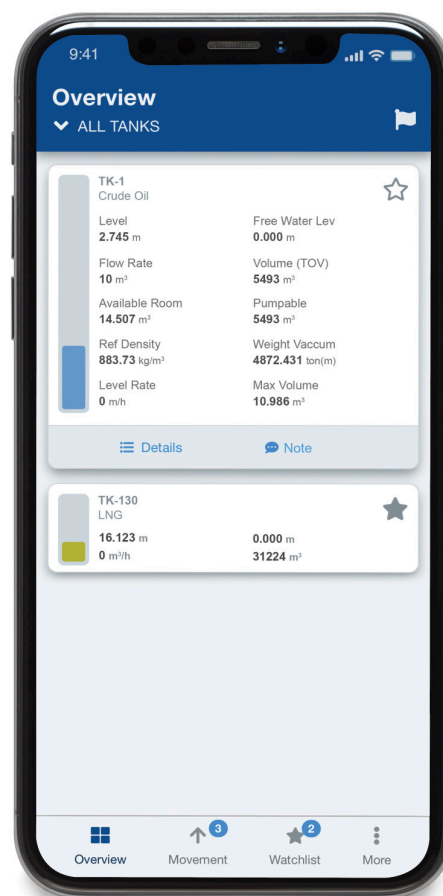
- Adaptive tank cards give immediate overview of critical inventory data.
- One click to view in-depth details for each tank.
- Quickly create a 'watchlist' of tanks to monitor closely.
- Work efficiently by using tank groups - customized, predefined and automatic.

Cyber-secure

- Compliant with international cybersecurity standard IEC 62443-3-3.
- Supports 3-tier network architecture to protect from unauthorized access.
- New devices must be approved by administrator or via two-factor authentication.
- TLS encrypted communication protects data confidentiality.

Simple license and user management

- Manage your licenses and settings via web portal.
- Download updates and manage subscriptions easily.
- Control access to specific tanks, data points, etc.
- Leverage user groups to quickly grant the right access to the right people.



Adding TankMaster Mobile to your inventory management solution is a quick and easy way to improve utilization of important tank data. Valuable information will no longer be stuck in the tank farm control room. Instead, shared inventory insight provides the opportunity to increase efficiency, drive productivity and improve collaboration throughout the organization.



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