



**SIEMENS**

*Ingenuity for life*



## Remote monitoring and maintenance through digitalization

### Siemens Remote Monitoring Apps

Siemens offers to our customers the ability to both make process measurements and to remotely monitor the activity and health of that instrumentation without the need for SCADA systems or other expensive process control room products. By utilizing Siemens' ability to offer unparalleled flow, level, pressure, temperature, and weight measurement as well as valve control, we can provide a broad range of process measurements and offer unequalled monitoring of the health and performance of those products. In conjunction with Siemens Mindsphere, information can then be uploaded to the cloud and then used to provide you with real time monitoring of multiple assets, retrieving real time data from multiple remote sites for your user group, anywhere and anytime. In addition, you can receive alarms, alerts & notifications without delay. And all of this can be sent directly to your tablet or phone. Here are just a couple of applications utilizing our Siemens monitoring capabilities.

### Tank Monitoring

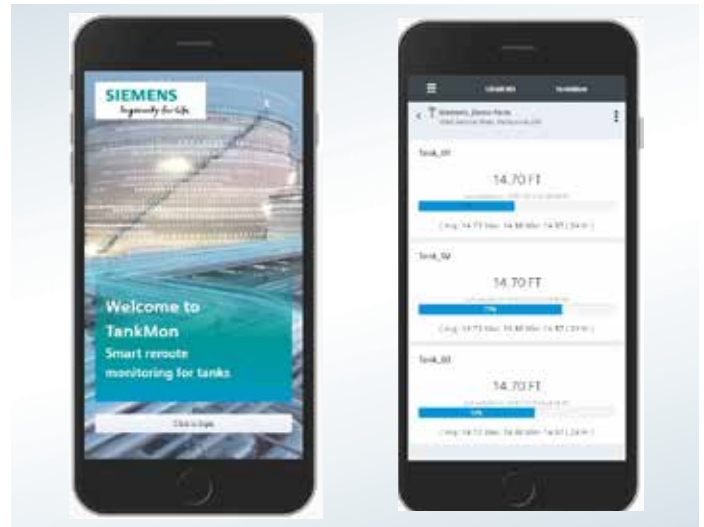
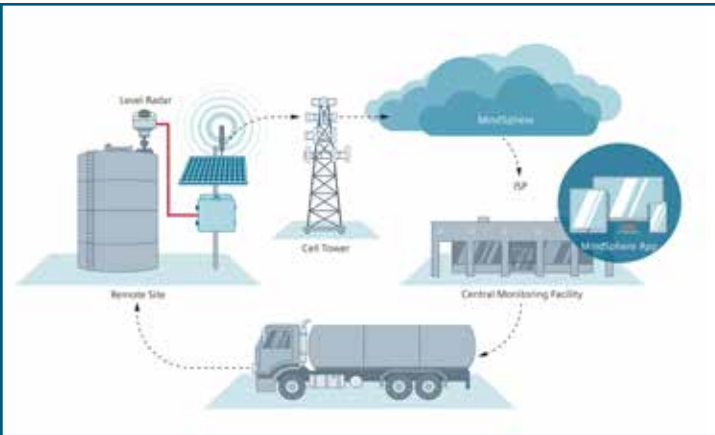
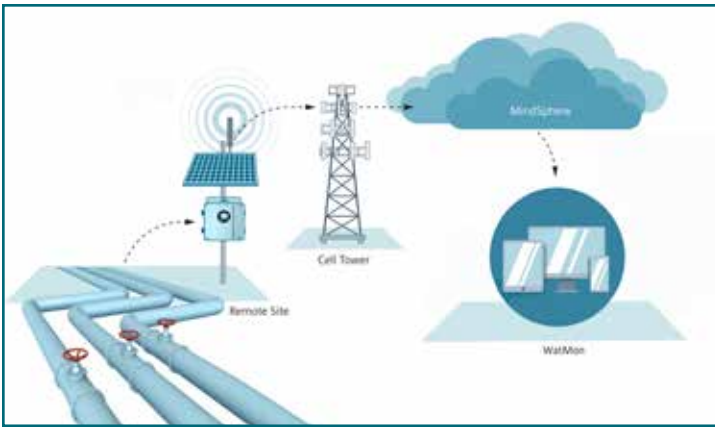
Siemens Tank Monitoring App (TankMon) is designed around the requirements of remote tank farms. By measuring key variables on site, using Siemens instrumentation, such as tank level, pressure and temperature you can confirm that you have all the necessary information on your installation.

By using the Siemens Mindsphere IIOT, you can transfer the critical information into the cloud and track this information through the TankMon App on the phones, tablets or PC of designated users. Tracking the status of facilities, confirming current conditions on site, and coordinating delivery and retrieval of material from tank farms are just a few of the benefits of remote tank monitoring systems.






### Water Monitoring

For applications associated with water or wastewater treatment and distribution, our Water Monitoring App (WatMon) can provide similar information geared towards the requirements of the water/wastewater market.

Whether its truck loading or unloading, lift station activity, water tank levels or tracking the distribution of water through a water network, Siemens can take critical information in remote locations and place it in your fingertips. Through the use of Siemens broad range of flow, level, pressure and temperature measurements as well as valve control, and the same Mindsphere IIOT already discussed, we can provide information that in the past you could only get occasionally, if at all, and put it right into your hands. From here you can not only monitor the throughput in your facilities but also the health of both your measurement and control instrumentation and your distribution network as a whole, with real time information.



Typical Applications (depending on your specific requirements)

-  Tank Level
-  Remote Pumping Stations
-  Truck Loading/Unloading
-  Pipeline Safety and Security
-  Remote Lift Stations

Or keep an eye on virtually any other part of your operation that previously required your presence on site or in the control room.

### Safety and Security

Siemens family of monitoring apps are read only, with information coming from MindSphere and its secure transfer of information. In addition the apps are designed for one administrator who has final say as to who in the user group can see what information and alarms, how the information is presented to the remainder of the users and how the alarms and notifications are structured. This assures that your information remains in your control at all times.

### Choose the communications infrastructure to suit your needs.

Siemens industrial wireless communications can provide the link between field instrumentation data and the MindSphere cloud. Our mobile wireless routers enable data transfer to MindSphere in remote locations and come with options for multiple cellular communications standards including LTE, UMTS, and GSM. This extended offering ensures the best signal for data transfer and the most reliable network for installations. Siemens adheres to the highest security standards in network security, and all communications solutions are encrypted with firewall protection to defend against unauthorized access and cyber threats. No matter the size of the network, our scalable and secure industrial communications technology is capable of delivering the solid foundation required for safe and efficient process monitoring.

### Monitoring App User Groups Are Defined By You

The size of your user group, how your information is transferred to the MindSphere Cloud and how often your information is updated is designed by you. We customize to your requirements in order to provide the best solution for your monitoring needs and budget. Whether you have one user or 100 or more, and if you need your information updated once a day or multiple times per minute, Siemens can provide a subscription plan and app tailored to provide you the visibility you need for your operation.

Siemens Industry, Inc.  
 Process Industries and Drives  
 100 Technology Drive  
 Alpharetta, GA 30005  
 1-800-365-8766

Subject to change without prior notice  
 Order No.: PIFL-00123-0219  
 All rights reserved  
 Printed in USA  
 © 2019 Siemens Industry, Inc.