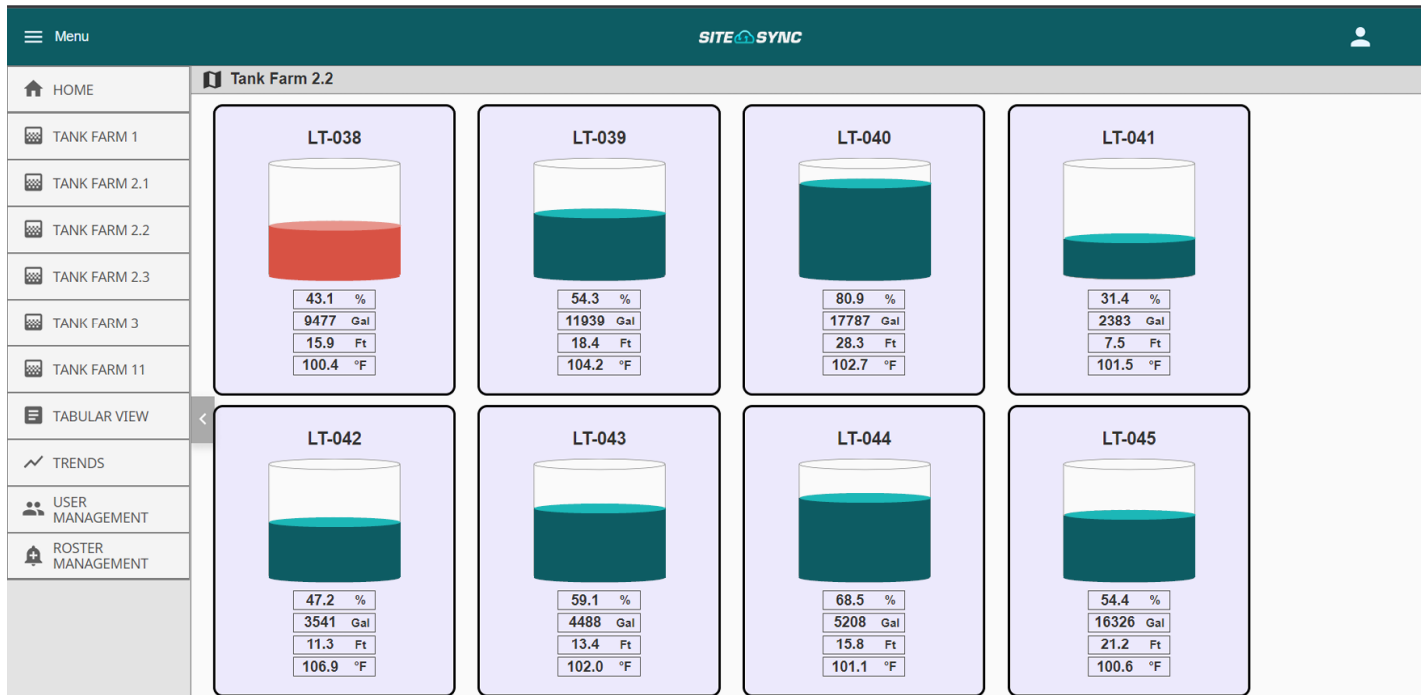


## Wireless Tank Level Measurement for Oil Blending Facility



### SUMMARY

Oil Blending Facility in the Gulf Coast needed a replacement for their manual inventory management system. The team at SiteSync created a low-cost, cloud-based solution for their process using VEGA sensors for continuous level measurement and two SignalFire gateways. Our team's data visualization capabilities allowed the customer to gain valuable insights into their inventory levels accessible through the SiteSync Cloud at any time.

### INTRODUCTION

SiteSync provides packaged scalable wireless solutions with low-cost maintenance plans to industrial enterprise customers throughout the Southeast. Using the industry-leading wireless protocol, LoRaWAN, our solutions can increase visibility and productivity within your facility with minimal downtime and maintenance costs. In order to produce a product on time and get insight into finished goods for financial reporting purposes, inventory monitoring is essential for an effective process. This customer presented with a manual inventory management system needing an upgrade. At the time, the process was measured manually by putting sticks in the tanks to determine depth. This manual measurement process left the customer open to inaccuracies and downtime. We proposed a cost-effective level instrument solution that fits the application needs using VEGA Radar sensors for a wireless monitoring solution.



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## SOLUTION

SiteSync recommended a solution using VEGAPuls 21 Sensors connected wirelessly to two SignalFire Gateways with the data sent to SiteSync Cloud for data visualization to monitor all the tanks at this oil blending facility. The facility needed 277 VEGA compact radar sensors for continuous level measurements to cover the tanks. With the data viewable at all hours, the maintenance team can periodically check inventory levels as it suits their process instead of manually reviewing them. This wireless solution allows for easy expansion past the original 277 tank sensors installed.

## CONCLUSION

Installation of this wireless inventory management system has increased productivity and improved data accuracy for financial reporting. The system's scalability is another benefit, and since the success of the deployment of our initial system, the customer plans to add in systems at two other locations,

## FEATURED TECHNOLOGY



**VEGAPuls 21  
Continuous Level Sensor**



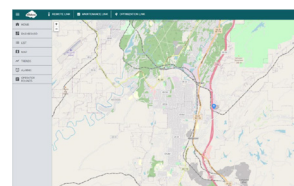
**SignalFire  
Gateway Stick**



**SignalFire  
Sentinel**



**Ignition Edge**



**SiteSync Cloud**

