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### ***Wonderware and Allen Bradley Combination for Wastewater Treatment***

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Wonderware as a SCADA system is an ideal solution that is tailored for the water and wastewater treatment industry. Wonderware in this application is set up as a SCADA/HMI for the operators to monitor and control the system with graphical displays. Wonderware offers built in features and graphic objects that are suited for the water treatment industry.

The objective was to deliver a solution to replace the aging Sixnet IO control platform. OTI's solution was to implement a Wonderware SCADA system supported with an Allen Bradley ControlLogix PLC. The upgrade included the control and monitoring of pumps, motors, blowers, rakes, mixers, mechanical gates and various measuring devices. In addition to the replacement of the existing control system, OTI implemented improvements to the system that includes ultrasonic level and flow sensors, historization of data, powerful trending displays, SCADA user security levels and a WIN911 call out system.

**Below are some examples of full screens and popups that was developed for the application:**

This is the main navigation, control and monitoring screen.

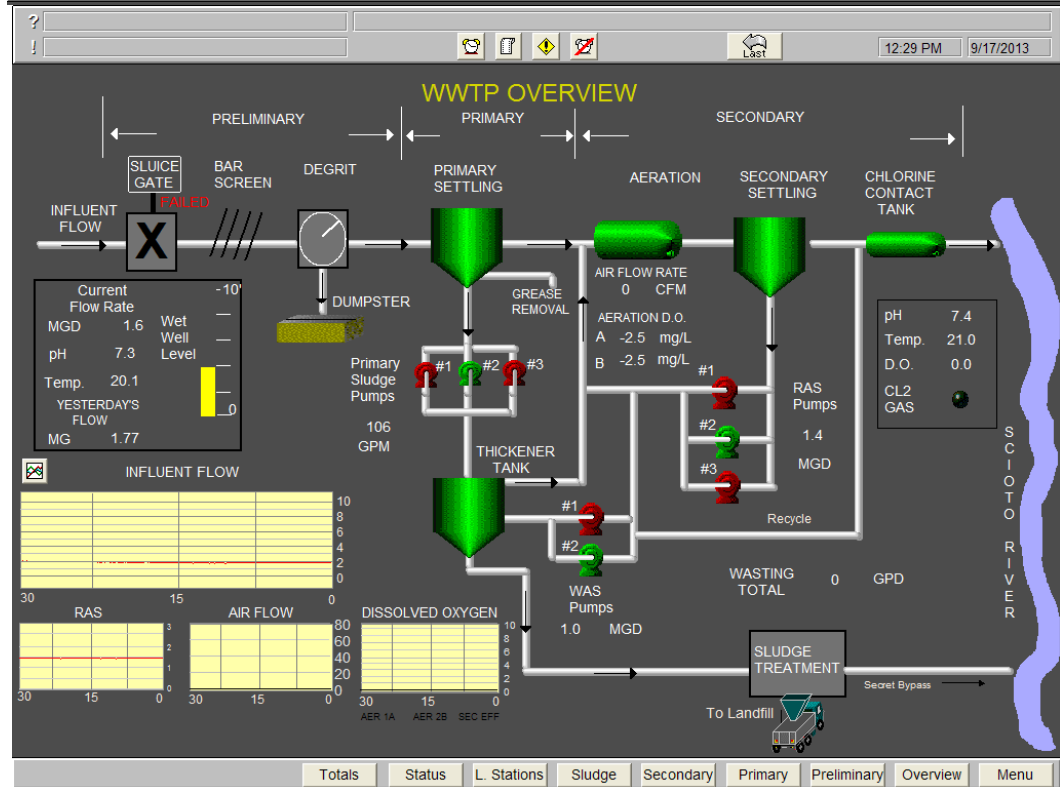
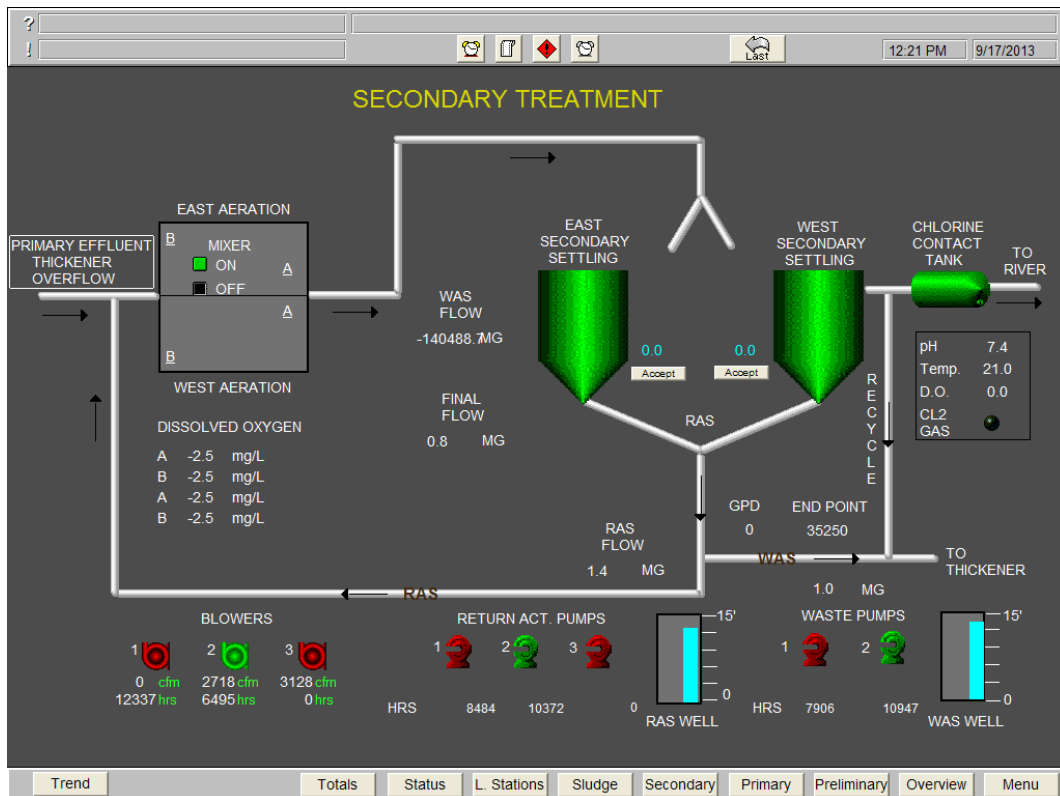
# Outbound

## Technologies



Area control and monitoring screens.

# Outbound Technologies



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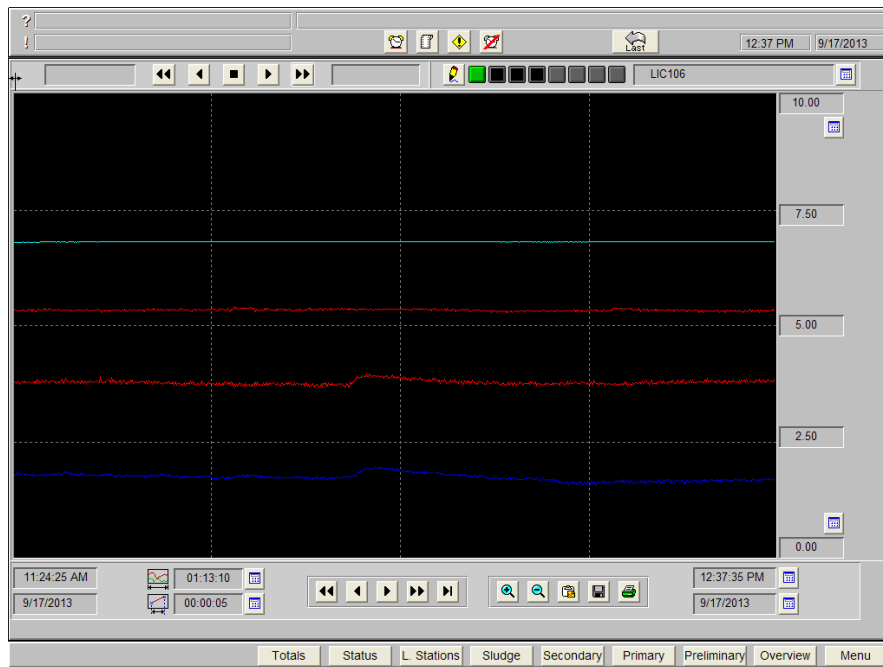
# **Outbound**

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## **Technologies**

Trending popup that details data for the specifically selected area.



### **Summary:**

While maintaining industry and city government standards OTI implemented a system that controls and monitors the entire system to lessen the burden on operators, increase efficiency and increase situational awareness of the processes.



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