Customer Success Story

WTP & STP Control and Monitoring System
A Leading company for Water Industry, Bangalore

Key Features

Customer Having 8 Clusters of Water Treatment Plant & Sewage Treatment Plant. And Customer wants to control & monitor the data of all 8 clusters individually from central location from SCADA system.

SCADA system control and monitor the Devices & System of WTP & STP from Remote location. Report generation available in SCADA itself to analyze the performance and efficiency of each plant.
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The main goal of the Project is:

- Controlling of WTP & STP Plant.
- Monitoring of WTP & STP Plant
- Critical point Monitoring
- Accurate Audit Trail of Operator Actions
- Daily Report with multiple time selection
- Historize data for many years

Coming up with a design to monitor and access all of systems with backfilling feature was no easy task where every minute data is critical. ICONICS met the requirement with our high-reliable tool HyperHistorian.

About Project

Project requires a central monitoring and archiving system to continuously monitor generation and performance of their WTP & STP Plant with the help of state of the art centralized SCADA System.

ICONICS Software Deployed

End user selected ICONICS GENESIS64™ Web-enabled, SCADA suite featuring the Exposing WTP & STP information on OPC for Controlling & Monitoring systems

WebHMI and MobileHMI for Remote Monitoring Client (over WAN/LAN) and ReportWorX™ for daily Critical data Report.
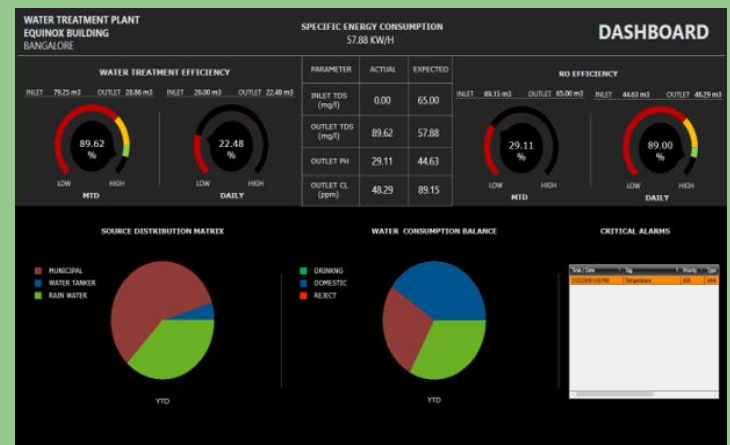
Water & Wastewater Management

Project Summary

Integration of different make Water Control Systems hardware is the first and most important part of this Project. As per the system design, there are different makes of Hardware modules required to be connected to Central SCADA which demands for universal connectivity support by Central APPLICATION Server.

Conclusion

Started in 2015, ICONICS India and its talented team of experts worked closely with the customer to meet their requirement over an enhanced graphics. Visualization, Historizing data and Daily Report Execution on to a given system within the facility reveals rich and functionally accurate representations of the controls system information complete. The overall degree of success hinge upon the joint cooperation of Infosys and ICONICS India Pvt. Ltd.
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An Overview of WTP & STP Controlling and Monitoring

Dashboard Screen

Benefits of the System

Project delivered following selected functionalities:

- System Server (At Central location – Bangalore) which Monitor & store data Coming From different WTP and STP.
- application which will give the easy man to machine interface.
- Exposing WTP & STP information on OPC for Controlling & Monitoring systems of geographically distributed plants.
- Implementation of SCADA environment for various features like 3D Graphics, Real time and historical Alarms & Trends, Reporting.
- Implementation of Thin client to monitor and control the system over WAN/LAN.

Solutions Highlighted

GENESIS64™
New generation of Web-Based HMI/SCADA Software

Hyper Historian™
High-speed, reliable and robust plant data historian

ReportWorX™
Quick Access to Any ICONICS Data Source via Excel Add-in

WebHMI™
 Web-based Read/Write SCADA Functionality