

Water Treatment Automation:  
**ChemTreat Solutions**<sup>®</sup>



ChemTreat Solutions<sup>®</sup> is the combination of advanced control technology, web-enabled operations management software, and our experienced field personnel working seamlessly together to provide a customized water treatment solution.



# CTControl™

measures system parameters and treatment levels in real-time to ensure optimal chemical dosage.

## Collect Real-time System Parameters

Continuously monitor key parameters such as pH, ORP, conductivity corrosion rates, and treatment levels

## Calculate Optimal Treatment Levels

Leverage improved measurement capability to easily determine the right chemical dosage

## Control Levels of Treatment

Enhance performance and set necessary alarms to protect assets

## Communicate Via Wireless Networks

Interface directly with the plant DCS and a variety of protocols including Modbus, Ethernet and wireless data networks



# CTVista®

is an open, web-based platform that communicates with and controls your water treatment system from virtually anywhere.

## Data Management

CTVista® gives you a true picture of how your water system is operating by intelligently assimilating data from multiple sources:

- **Controller Data** from CTControl™ or DCS
- **Operator Data** such as manual testing results of system parameters
- **Laboratory Data** including coupon and water analyses
- **Service and Inspection Reports** from your water treatment representative

## Improved Reporting

Create customizable dashboards viewable by authorized personnel over secure networks. Trending inventory and KPIs becomes simple with CTVista®, which can be programmed to alert you when these key parameters are out of range.



# ChemTreat Solutions®

is the combination of CTControl™, CTVista®, and our experienced field personnel working seamlessly together to deliver a customized water treatment solution specific to your needs.

## ChemTreat Solutions®

is a valuable automation and data management platform that enables our best-in-class field engineers to provide a superior water treatment program. Collecting critical data leads to better recommendations, offering you the ability to:

- Reduce total operating costs through optimization
- Pinpoint and correct any system inefficiencies
- Utilize manpower more effectively
- Automate the generation of vital reports



## More Than Just Sensors & Controls

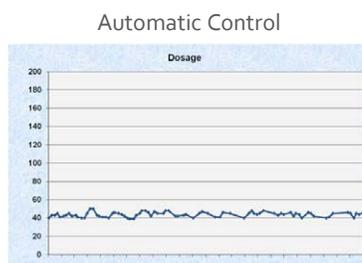
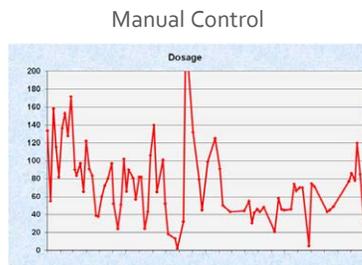
Combining our field expertise with an advanced automation platform delivers meaningful results to improve the efficiency of your system.

- Define and deliver water and operational savings
- Maximize equipment performance & investment
- Help solve the problems and challenges you face with better water management

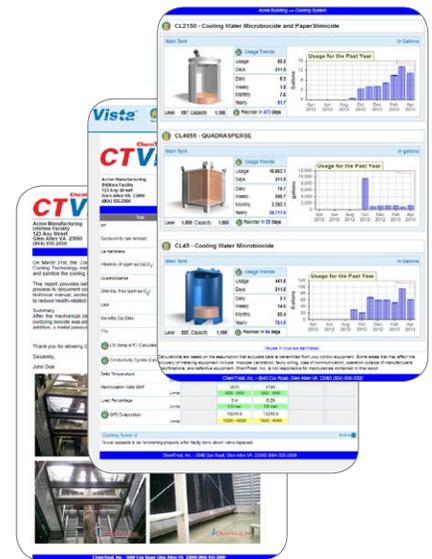
## Why Invest in Automation?

With ChemTreat Solutions®, our experienced field engineers can service your location more effectively, allowing for more time to focus on ways to improve your operation. These graphs demonstrate how manual control of a treatment program compares to automated control. Once a CTControl™ panel is installed, dosage of the treatment program becomes more consistent. Automation can provide the following benefits:

- Improved program performance
- Enhanced manpower allocation
- Reduced chemical & water consumption
- Decreased risk of production downtime



For illustrative purposes only.



# CHEMTREAT SOLUTIONS® OFFERS PEACE OF MIND



## Advanced Sensors and Controls

- CTControl™ fluorescence monitoring outperforms competing technologies, maintaining accuracy despite common interferences
- Over 100+ sensor options available, including: pH, ORP, conductivity, water meters, temperature, corrosion monitoring, free or total chlorine and actives-based analyzers
- Multiple controller outputs available



## Real-time Performance Data

- Generate customized CTVista® reports and track inventory levels and KPIs with real-time alerts
- Versatile communications available, including: Modbus, Ethernet and Cellular
- Access data via tablet, smart phone or PC in a secure environment



## Increased Flexibility

- Use manpower more effectively with the peace of mind of 24-7 system monitoring
- Upgrade your existing equipment with the assurance that CTControl™ can easily integrate with most water treatment systems
- Develop customizable dashboards with CTVista® to manage what matters most to your operation



## Better Performance

- Reduce chemical and water costs through the optimization of your water treatment program
- Improve operating performance by feeding the right amount of chemical at the right time
- Pinpoint and correct system inefficiencies

