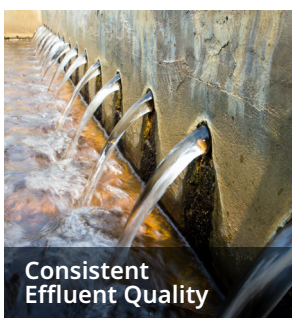

# S.SENSING® CS


Personalized Wastewater System


Measuring Where it Counts


Consistent Effluent Quality


Reduced Maintenance & Expenses

Kurita's S.sensing CS system represents cutting edge advancements in automation technology for the control and dosing of liquid/solid separation chemicals in wastewater applications. In addition to managing the chemical feed, the system proactively reacts and adjusts to variations in influent wastewater quality, enabling higher productivity, lowered environmental impact and optimized wastewater treatment results. The S.sensing CS system ensures correct dosage of treatment chemicals, reduced costs of labor and sludge disposal, consistent effluent quality, minimized surcharges and more.

# KURITA AMERICA ADVANTAGE

## S.SENSING CS ADVANTAGES

- Optimization of coagulant dosage
- No overdosing or under-dosing of chemical
- Stable quality of treated water
- Reduced cost of pH control
- Reduction of sludge amount, decreasing sludge disposal cost considerably
- Labor savings of water treatment operation
- Total cost reduction

## TARGETED INDUSTRIES

- Automotive
- Food & Beverage
- General Manufacturing
- Primary Metals

## Matched to The Uniqueness of Your Wastewater System

The operation and production processes of industrial facilities vary greatly. From facilities that manufacture automotive parts to facilities producing potato chips; the wastewater streams they create are different. S.sensing CS uses a patented, proprietary laser-based technology to measure the turbidity between flocculated particles. As the turbidity increases and decreases, due to production changes, Clean-in-Place (CIP) processes and other operational factors, the chemical feed is adjusted to meet baseline settings. These measurements, combined with a state-of-the-art-monitoring and control system, continuously normalize influent wastewater quality and deliver a customized chemical dose rate.

## Measuring Where it Counts

The point of measurement of the S.sensing CS technology is the influent wastewater quality, whereas other control systems typically perform their measurements on the effluent. Influent wastewater testing detects production changes, unexpected spills and operational upsets within minutes instead of two to four hours after the incident. S.sensing CS has the capability to make immediate chemical adjustments to changing conditions within your facility, resulting in improved performance.

## Consistent Effluent Quality

While influent conditions will vary, the treated effluent quality must be consistent. S.sensing CS provides real-time monitoring and immediate chemical dose adjustments to ensure discharge requirements are met and regulatory penalties are avoided.

## Reduced Maintenance & Expenses

Most facilities require skilled operators to monitor their wastewater treatment systems. Typically, this requires training and six to twelve months of facility specific operational experience to develop the necessary skills. Process and production changes require additional training and experience to treat a wastewater stream effectively. S.sensing CS replicates the skill of highly experienced operators, decreasing the training required and allowing for your internal personnel resources to be focused on other activities.