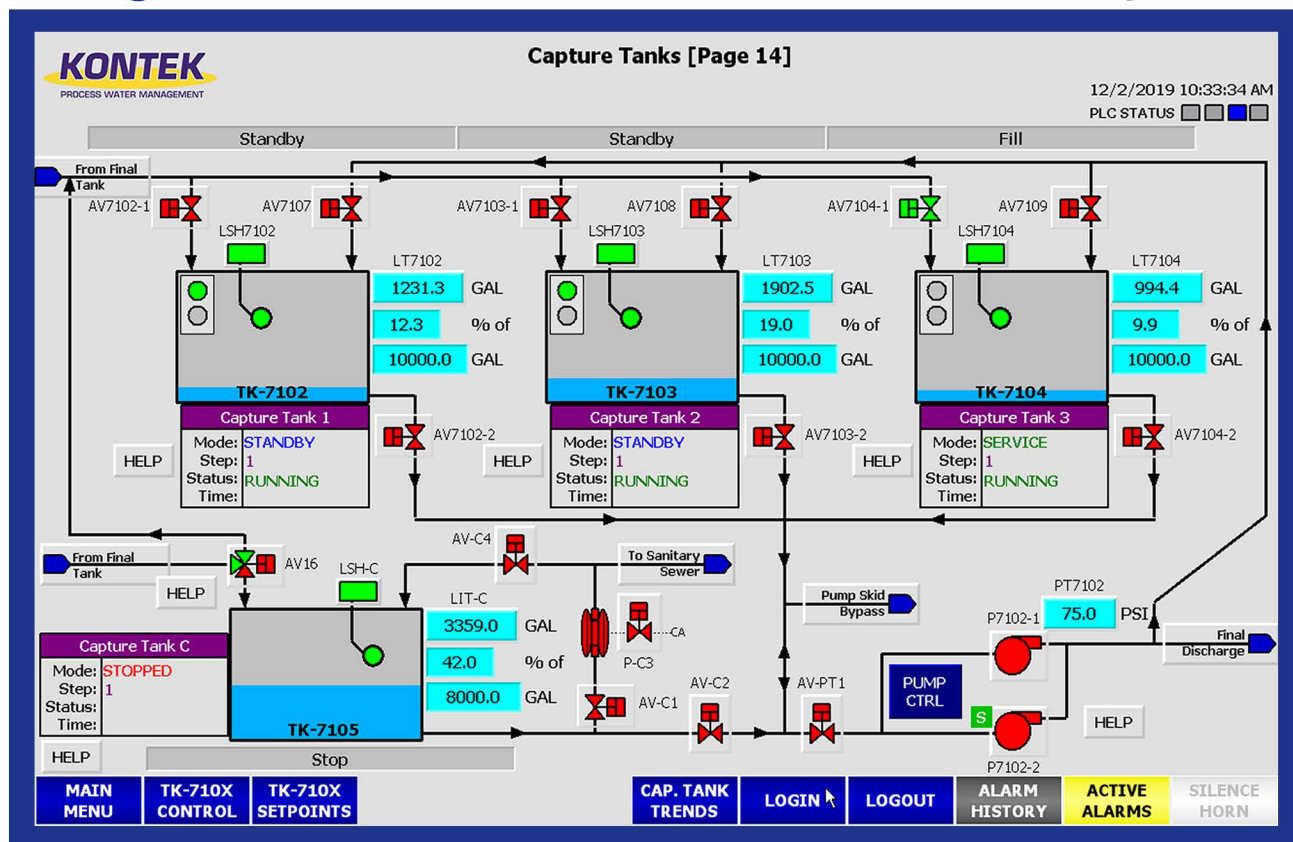


> Integrated & Automated Control Systems



Complete System Automation And Integration

Component Redundancy of critical subsystems and instrumentation ensure 100% uptime. Our **SMARTLOGIC** Systems feature on-screen help, troubleshooting alarms and device/component permissives.

User-friendly intuitive touch screens allow you to navigate your monitor and have total control of the system at your fingertips. The Human Machine Interface (HMI) enables you to easily fine tune parameters, quickly change set points, and view analytics to respond to key parameter trends.

Reliable - Simply let your system operate, trusting that your built-in **SMARTLOGIC** protection and alarms will instantly alert you when operator attention is required. Completely interlocked control logic, prevents system upsets and failures.

SMART LOGIC protects your water and system at all times, equipping your process with multiple monitoring devices, valves, interlocked permissives, back-up pumping stations and redundant probes. Pumps promptly stop and alarms sound when breaching of threshold levels is imminent.

Process set-points are password protected and allow for various levels of access and security.

Whether included in a new system or retrofitted to your existing process, **SMART LOGIC** delivers unparalleled protection.

Designed to simplify your treatment process and reduce labour needs, **SMART LOGIC's** intuitive technology unites your system and its operators. Touch screen human-machine interfaces (HMI) allow operators to easily view analytics, take corrective action and manage set-point parameters.

SMART LOGIC will not allow the solution to move from one station to the next when outside acceptable parameters

SMART LOGIC takes all aspects of your system into consideration with its intelligent design

KONTEK SMART LOGIC



➤ At **KONTEK**, we believe in taking extra technical precautions to guarantee your system's safety and reliability. **SMART LOGIC's** intelligent design protects your water quality, safeguards your system and conserves chemicals – all while minimizing your labour requirements.

Features and Benefits

- Service/standby redundant pumping stations
- Interlocked permissives - prevent overflow and ensure effective operation
- Interlocked permissives
- Sophisticated touch screen HMI
- Refined programmable logic controllers (PLC)
- Data recording and self-monitoring
- Multiple fail-safe protection points
- Automatic off-spec water recirculation
- Dual redundant analytical probes
- Pulse proportional chemical dosing
- Multilevel alarms systems
- In-house remote dashboard monitoring

The Complete System

SMART LOGIC controls assure the “always in compliance” performance of your **KONTEK** system with:

- Redundant instruments and critical components to back-up all operating control features
- Automated operating design that produces operator intervention alarms at several levels of urgency
- Integrated logic software to correlate unit operations with a central control function
- Interlocked cascading logic to maintain proper system sequencing relationship
- Precise and proportional chemical dosing to eliminate excess consumption of treatment reagents
- Design accommodating HAZOP and FMEA requirements

“SMART LOGIC lets me sleep at night. I don't have to worry about my water violating discharge limits - Kontek takes away the headache and lets me focus on my job” – Neil, Plant Manager