Application of computer-based process controls for new systems and upgrades to existing water and waste treatment processes.

**VALUE**
- Expertise in water & waste processes
- Cost effective designs that meet specific requirements
- Customer service

**EXPERIENCE**
- Control system for new equipment and processes
- Upgrades to aging/obsolete PLC-based controls
- Replacement of antiquated electromechanical controls

**SYSTEMS**
- Integrated control system includes both a PLC (programmable logic controller) and a HMI (human-machine interface)
- For upgrades to existing controls, the PLC and HMI may be housed in an existing control panel if feasible
- Use of a remote I/O (Input/Output) panel allows system operations to be performed in an operator-friendly environment (e.g. low radiation dose area, etc.)

**SERVICES**
- Turnkey solutions - all design and development by Structural Integrity
- Control panel fabrication
- Simulator system design and fabrication
- Factory acceptance/validation testing
- End-user training
- Plant start-up support
- Ongoing maintenance support

**PROCESSES**
- Deep Bed Demineralizers
- Resin Cleaning and Regeneration Systems
- Filter Demineralizer Systems
- Chemical Feed Systems
- Filtration Systems

**HARDWARE & SOFTWARE**
- Hardware - Allen Bradley, GE
- Software - FactoryTalk®, Proficy®