

# Water Transfer and Automation

*The leading edge of safety, efficiency, and performance*



We designed our WaterForce® automation and control system for the unique challenges of water transfer, wastewater management, and water system operations and maintenance. Our automation team customizes each SCADA control scenario, incorporating best-in-class hardware. Multiple communication modes provide redundancy for mission-critical operations and an industrial-grade cybersecurity network ensures reliability, even in extreme conditions and remote locations.

## Advantages of WaterForce Automation

### Safety

- Fewer workers onsite = fewer injuries
- Safety interlocks help prevent spills and linebreaks.

### Efficiency

- WaterForce can perform operations consistently 24/7/365 without breaks

### Performance

- Capture real-time data to identify and resolve issues promptly
- Historical data for analysis to minimize and prevent issues, improve performance

### *1st fully autonomous water transfer system on a well completion in the Marcellus/Utica Basin*

WaterForce pioneered fully autonomous water transfer in shale operations. From the initial system start-up, WaterForce automatically turned on components, ramped up, ramped down, opened valves and closed valves based on inputs from the command center and sensors on pumps, levels, and valves.

### *Unique USGS river gauge system integration maintains compliance, improves efficiency*

WaterForce integrates with regulatory data websites and the USGS river gauge system to automatically maintain round-the-clock compliance. Without automation, a worker would have to be staffed at the site to monitor the stream gauge and the pump.

**To learn more,  
visit [KeystoneClear.com](http://KeystoneClear.com)  
or call 717-508-0550.**

